

✓ okay  
 ! change  
 - delin  
 + okay, but add a row  
 w/ another tag

PaperID	PaperSummary	Tag
✓ 1	A method for automatically recovering software traceability links between various software artifacts based on topic modelling (requirements, design, code, bug reports, test cases)	what:phase:management
✓ 1	A method for automatically recovering software traceability links between various software artifacts based on topic modelling (requirements, design, code, bug reports, test cases)	what:documentation:artifacts
✓ 1	A method for automatically recovering software traceability links between various software artifacts based on topic modelling (requirements, design, code, bug reports, test cases)	what:challenge:content_traceability
✓ 1	A method for automatically recovering software traceability links between various software artifacts based on topic modelling (requirements, design, code, bug reports, test cases)	what:challenge:process_automation
✓ 2	A set of two techniques for improving the quality of traces generated between regulatory standards and product level requirements	what:information:functional
✓ 2	A set of two techniques for improving the quality of traces generated between regulatory standards and product level requirements	what:challenge:content_traceability
✓ 2	A set of two techniques for improving the quality of traces generated between regulatory standards and product level requirements	what:challenge:process_improving
✓ 2	A set of two techniques for improving the quality of traces generated between regulatory standards and product level requirements	what:challenge:context_regulation
+ 3	A case study on evaluating a given technique for identifying and prioritising stakeholders in order to involve the right stakeholders in system analysis	+ place-execution what:challenge:process_prioritization
✓ 4	An experience report on the development of a methodology and tools for the formalization and subsequent validation of specifications in a project for the public administration	what:phase:evaluation
✓ 4	An experience report on the development of a methodology and tools for the formalization and subsequent validation of specifications in a project for the public administration	what:challenge:process_formalization
✓ 4	An experience report on the development of a methodology and tools for the formalization and subsequent validation of specifications in a project for the public administration	what:domain:sector_public
+ 5	A document-driven study on the relevancy of clones in industrial requirements specifications and of clone detection as a requirements quality assurance technique	+ challenge:content_all what:phase:specification
✓ 6	A case study on the effects of a highly ambiguous requirements document on project success	what:challenge:content_unambiguousness
✓ 7	A data-driven study on the importance of quality requirements throughout the system lifecycle	what:information:quality_all

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8	An interview-based study with practitioners for identifying key challenges in aligning requirements and verification processes in order to assure that the developed software product satisfies customer requirements	what:phase:evaluation
9	A tool for automating ambiguity detection and explaining the sources of the detected ambiguities in order to improve natural language specifications and educate software analysts	what:documentation:naturallanguage
9	A tool for automating ambiguity detection and explaining the sources of the detected ambiguities in order to improve natural language specifications and educate software analysts	what:challenge:content_unambiguous
9	A tool for automating ambiguity detection and explaining the sources of the detected ambiguities in order to improve natural language specifications and educate software analysts	what:challenge:people_skills
9	A tool for automating ambiguity detection and explaining the sources of the detected ambiguities in order to improve natural language specifications and educate software analysts	what:challenge:process_automation
9	A tool for automating ambiguity detection and explaining the sources of the detected ambiguities in order to improve natural language specifications and educate software analysts	what:challenge:process_improving
10	An experiment with practitioners for evaluating the adequacy and feasibility of an existing software product line design method in order to prepare software product lines for likely future adaptation needs	what:phase:management
10	<del>An experiment with practitioners for evaluating the adequacy and feasibility of an existing software product line design method in order to prepare software product lines for likely future adaptation needs</del>	<del>what:challenge:content_feasibility</del>
11	A method for developing scenarios at multiple abstractions levels and check their consistency in order to specify complex software-intensive systems	what:phase:specification
11	A method for developing scenarios at multiple abstractions levels and check their consistency in order to specify complex software-intensive systems	what:information:scenarios
11	A method for developing scenarios at multiple abstractions levels and check their consistency in order to specify complex software-intensive systems	what:domain:systemclass_complex
12	An industrial evaluation based on benchmarks for comparing and assessing the suitability of two requirements prioritization techniques	what:challenge:process_prioritization
13	A method for reasoning about likely sources of uncertainty in dynamically adaptive systems in order to apply the right adaptation strategies	what:phase:management
13	A method for reasoning about likely sources of uncertainty in dynamically adaptive systems in order to apply the right adaptation strategies	what:challenge:context_uncertainty

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✓ 13	A method for reasoning about likely sources of uncertainty in dynamically adaptive systems in order to apply the right adaptation strategies	what:domain:systemclass_adaptive
✓ 14	A case study for collecting lessons learned from integrating Specification Templates, Collaborative Workshops, and Peer Reviews in RE	what:challenge:people_collaboration
✓ 14	A case study for collecting lessons learned from integrating Specification Templates, Collaborative Workshops, and Peer Reviews in RE	what:challenge:process_standardization
✓ 15	A method for visualizing how cyber-attacks are performed in an architectural context in order to closely intertwine requirements and architecture in the development of secure software	what:information:architecture
✓ 15	A method for visualizing how cyber-attacks are performed in an architectural context in order to closely intertwine requirements and architecture in the development of secure software	what:information:quality_security
✓ 15	A method for visualizing how cyber-attacks are performed in an architectural context in order to closely intertwine requirements and architecture in the development of secure software	what:challenge:process_visualization
✓ 16	An experiment with students on the effectiveness of three creativity enhancement techniques to be used during requirements elicitation	what:phase:elicitation
✓ 16	An experiment with students on the effectiveness of three creativity enhancement techniques to be used during requirements elicitation	what:challenge:people_skills
✓ 17	A method for semi-automatically recovering traces in natural language specifications in order to be compliant with industrial standards	what:phase:management
✓ 17	A method for semi-automatically recovering traces in natural language specifications in order to be compliant with industrial standards	what:documentation:naturallanguage
✓ 17	A method for semi-automatically recovering traces in natural language specifications in order to be compliant with industrial standards	what:challenge:content_traceability
+ 17	A method for semi-automatically recovering traces in natural language specifications in order to be compliant with industrial standards	+ challenge:context regulation what:challenge:process_automation
✓ 18	A case study for validating a multi-level approach for planning and managing variability and reuse across independent product ranges in a product family	what:phase:evaluation
✓ 18	A case study for validating a multi-level approach for planning and managing variability and reuse across independent product ranges in a product family	what:phase:management

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✓ 18	A case study for validating a multi-level approach for planning and managing variability and reuse across independent product ranges in a product family	what:challenge:process_standardization
✓ 19	A method for using low-effort ad-hoc videos as a concrete representation of early requirements in order to avoid misunderstandings in the early phases of a project	what:challenge:people_communication
✗ 20	A method for building domain ontologies suitable to guide requirements elicitation in order to reconcile gaps in the knowledge and common understanding among stakeholders	+ challenge: people - communication + what:phase:elicitation
✓ 21	An interview-based study for explaining the causes of an unsatisfactory RE process in a company in order to identify improvement points	what:challenge:failure
✓ 21	An interview-based study for explaining the causes of an unsatisfactory RE process in a company in order to identify improvement points	what:challenge:process_improving
✓ 22	An analysis on the integration of non-functional requirements into model-driven development processes in order to include this type of requirements into such processes	what:information:quality_all
✓ 23	A method for systematically and repeatedly exchanging requirements between manufacturers and suppliers.	what:challenge:people_communication
✓ 23	A method for systematically and repeatedly exchanging requirements between manufacturers and suppliers.	what:domain:sector_supplier
✓ 24	A method for formally representing requirements in order to facilitate their analysis and serve as basis for the testing process	what:phase:evaluation
✓ 25	A multi-case study on agile prioritization and business value delivery in order to empirically corroborate or contradict some common assumptions on agile practices	what:challenge:process_prioritization
✓ 25	A multi-case study on agile prioritization and business value delivery in order to empirically corroborate or contradict some common assumptions on agile practices	what:domain:organization_agile
✓ 26	A process for creating traceability links between safety requirements, safety taxonomies, and safety risks in order to assure and recertify legacy safety-critical systems	what:information:quality_safety
✓ 26	A process for creating traceability links between safety requirements, safety taxonomies, and safety risks in order to assure and recertify legacy safety-critical systems	what:challenge:content_traceability
✓ 26	A process for creating traceability links between safety requirements, safety taxonomies, and safety risks in order to assure and recertify legacy safety-critical systems	what:challenge:context_uncertainty
✓ 26	A process for creating traceability links between safety requirements, safety taxonomies, and safety risks in order to assure and recertify legacy safety-critical systems	what:domain:systemclass_safetycritical

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✓ 27	A method for assessing the completeness of specification documents in order to avoid subjectiveness in such completeness assessment	what:challenge:content_completeness
✓ 27	A method for assessing the completeness of specification documents in order to avoid subjectiveness in such completeness assessment	what:challenge:people_subjectivity
✓ 28	An experience report on the value provided by requirements traceability in a commercial engineering company and a discussion of success factors	what:challenge:content_traceability
✓ 29	An experience report on the development of a simulation tool for the communication along requirements modelling.	what:challenge:people_communication
✗ 30	<del>An experience report on modeling a safety critical domain using a formal method in order to better understand its adequacy for domain engineering</del>	<del>what:information:quality_safety</del>
✓ 30	An experience report on modeling a safety critical domain using a formal method in order to better understand its adequacy for domain engineering	what:domain:systemclass_safetycritical
✓ 31	A method for structuring a system so that critical requirements are localized in reliable subsets of its components in order to guarantee system's dependability largely by construction	what:information:quality_reliability
✓ 32	A document-driven study for refining, assessing and deriving lessons learned of a set of templates for requirements written in natural language	what:documentation:naturallanguage
✓ 32	A document-driven study for refining, assessing and deriving lessons learned of a set of templates for requirements written in natural language	what:challenge:process_standardization
✓ 33	A method for specifying confidentiality requirements in service level agreements in order to provide proof of being in control of outsourced IT assets	what:phase:specification
✓ 34	A method for capturing and reusing patterns of knowledge on non-functional requirements in order to properly manage the large body of knowledge in this field	what:phase:management
✓ 34	A method for capturing and reusing patterns of knowledge on non-functional requirements in order to properly manage the large body of knowledge in this field	what:information:quality_all
✓ 35	A method for using integer constraint programming to specify product line constraints in order to facilitate the configuration of a product	what:phase:specification
✓ 36	A method for eliciting business goals and linking them to quality requirements of the system in order to allow software architects to understand the business goals of the system	what:phase:elicitation

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✓ 36	A method for eliciting business goals and linking them to quality requirements of the system in order to allow software architects to understand the business goals of the system	what:information:quality_all
✓ 36	A method for eliciting business goals and linking them to quality requirements of the system in order to allow software architects to understand the business goals of the system	what:challenge:content_traceability
✗ 37	A discussion on the need of future research on operationalizing requirements as runtime entities that can be reasoned over in order to support self-adaptation decisions	+ general:research what:phase:management
✓ 38	An experience report on the application of a requirements framework developed after a root cause analysis in order to enhance customer partnerships in an IT company	what:domain:sector_it
! 39	An experiment with students on investigating if human analysts make the right decisions when reviewing requirements traceability matrices generated by automated techniques	- challenge:process_developing what:phase:evaluation
✓ 39	An experiment with students on investigating if human analysts make the right decisions when reviewing requirements traceability matrices generated by automated techniques	what:challenge:content_traceability
✓ 39	An experiment with students on investigating if human analysts make the right decisions when reviewing requirements traceability matrices generated by automated techniques	what:challenge:process_automation
✓ 40	A method for generating requirements traceability matrices considering the unique properties of requirements, e.g. small datasets	what:challenge:content_traceability
✓ 41	A method for grading the implementation of use cases, features and requirements from a usability perspective in order to determine if a product meets its usability requirements	what:information:quality_usability
✓ 41	A method for grading the implementation of use cases, features and requirements from a usability perspective in order to determine if a product meets its usability requirements	what:documentation:usecases
✓ 42	A modeling language for specifying the system and finding criteria to compare candidate solutions at the early phases of requirements engineering	what:phase:specification
✓ 43	A method for allowing end-users to document their needs in situ using their mobile devices in order to support end-user involvement in requirements elicitation	what:phase:elicitation
✓ 43	A method for allowing end-users to document their needs in situ using their mobile devices in order to support end-user involvement in requirements elicitation	what:domain:sector_mobile
✗ 44	An online survey with practitioners on understanding what requirements elicitation and representation practices and techniques do not work well in China	+ phase:specification what:phase:elicitation

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✓ 44	An online survey with practitioners on understanding what requirements elicitation and representation practices and techniques do not work well in China	what:region:country_china
✓ 45	A case study on understanding the effects of system architectures on RE decisions, the characteristics of such decisions and their impact on development activities	what:challenge:process_deciding
✓ 46	An experience report on the lessons learned from two projects about the transition from classical development process into agile development	what:domain:organization_agile
✓ 47	A method for classifying ambiguities in natural language requirements and inform the analyst of the potentially dangerous cases in order to prompt further elicitation	what:phase:elicitation
✓ 47	A method for classifying ambiguities in natural language requirements and inform the analyst of the potentially dangerous cases in order to prompt further elicitation	what:documentation:naturallanguage
✓ 47	A method for classifying ambiguities in natural language requirements and inform the analyst of the potentially dangerous cases in order to prompt further elicitation	what:challenge:content_unambiguousness
✗ 48	A multi-case study for a commitment analysis method that can be used to obtain requirements from policy documents in order to validate it	elicitation what:phase:evaluation
! 49	A vision for proposing the exploration and transfer from other disciplines of creative problem solving practices in order to frame RE as a creative problem solving process	general_research what:challenge:problem
✓ 49	A vision for proposing the exploration and transfer from other disciplines of creative problem solving practices in order to frame RE as a creative problem solving process	what:challenge:people_skills
✓ 50	A case study on the application of a requirements negotiation and handover process in order to study its advantages with respect to requirements volatility and requirements understanding.	what:phase:analysis
✓ 50	A case study on the application of a requirements negotiation and handover process in order to study its advantages with respect to requirements volatility and requirements understanding.	what:challenge:content_understandability
✗ 51	A method for incorporating goals that are able to adapt along time into requirement models, which embed adaptation countermeasures that are triggered when goals are violated	+ information:goals what:phase:management
✓ 52	A method for selecting the strategic release plan that is most robust against assumed changes in resource allocation and availability	what:phase:management
✗ 53	A formal framework for expressing optional and preferred requirements and associated techniques to search for design alternatives that best satisfy the given preferences.	+ plan:specification what:challenge:process_prioritization

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54	An experience report on the use of a requirements modeling language that relate informal operational concepts with formal simulation models in order to provide reasoning capabilities to such operational concepts	what:challenge:process_formalization
55	A case study for identifying success factors and challenges involved in persuading review teams to document inspections in order to improve defect discovering	evaluation what:phase:elicitation
55	A case study for identifying success factors and challenges involved in persuading review teams to document inspections in order to improve defect discovering	what:challenge:process_improving
56	A method for extending automated analysis of natural language use cases to any other language in order to aggregate multilingual use cases in multi-national projects	what:documentation:usecases
56	A method for extending automated analysis of natural language use cases to any other language in order to aggregate multilingual use cases in multi-national projects	what:documentation:naturallanguage
56	A method for extending automated analysis of natural language use cases to any other language in order to aggregate multilingual use cases in multi-national projects	what:challenge:process_automation
57	An experiment with students on manually recovering trace links between requirements and code in order to identify where requirements are implemented	what:phase:management
57	An experiment with students on manually recovering trace links between requirements and code in order to identify where requirements are implemented	what:challenge:content_traceability
58	A method for identifying single- and multi-word terms that have a particular significance in a given domain in order to characterize the most salient features of the document in which they appear	what:documentation:naturallanguage
59	An experiment with students for assessing a given constraint definition technique in order to improve the correctness, efficiency and user satisfaction when using meta-CASE tools.	+ please : Specification what:challenge:process_improving
60	An experiment with students on the inclusion of screen mockups in use cases in order to improve the understandability of functional requirements with no significant impact on effort.	what:information:functional
60	An experiment with students on the inclusion of screen mockups in use cases in order to improve the understandability of functional requirements with no significant impact on effort.	what:documentation:usecases
60	An experiment with students on the inclusion of screen mockups in use cases in order to improve the understandability of functional requirements with no significant impact on effort.	what:challenge:content_understandability
60	An experiment with students on the inclusion of screen mockups in use cases in order to improve the understandability of functional requirements with no significant impact on effort.	what:challenge:process_improving

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61	A case study for characterizing natural language processing techniques and compare their support in detecting equivalent requirements.	what:documentation:naturallanguage
62	A method for analyzing product descriptions from publicly available online specifications in order to model and recommend product features for a given domain	what:documentation:featuremodels
63	A method for generating a probabilistic model from a set of requirements in order to verify system requirements at runtime	what:phase:evaluation
63	A method for generating a probabilistic model from a set of requirements in order to verify system requirements at runtime	what:phase:management
64	A method for recovering a feature model from the existing software product line in order to reduce modeling effort	what:phase:management
64	A method for recovering a feature model from the existing software product line in order to reduce modeling effort	what:documentation:featuremodels
65	A method for performing semi-automated checking of combined natural language and semi-formal requirements models in order to ensure their consistency, completeness and correctness	what:documentation:naturallanguage
65	A method for performing semi-automated checking of combined natural language and semi-formal requirements models in order to ensure their consistency, completeness and correctness	+ content_completeness what:challenge:content_completeness
65	A method for performing semi-automated checking of combined natural language and semi-formal requirements models in order to ensure their consistency, completeness and correctness	what:challenge:process_automation
66	A solution for automatically linking bug reports and committed changes in order to recover missing links	what:phase:management
66	A solution for automatically linking bug reports and committed changes in order to recover missing links	what:challenge:content_traceability
66	A solution for automatically linking bug reports and committed changes in order to recover missing links	what:challenge:process_automation
67	A method for prioritizing requirements considering several requirements characteristics, such as stakeholder preferences, technical constraints, implementation costs and user perceived value	what:challenge:people_subjectivity
67	A method for prioritizing requirements considering several requirements characteristics, such as stakeholder preferences, technical constraints, implementation costs and user perceived value	what:challenge:process_prioritization
68	A method for supporting use-case analysis that combines exemplary scenarios and general logical rules in order to allow gradually shifting from examples to the final system specification.	what:information:scenarios
68	A method for supporting use-case analysis that combines exemplary scenarios and general logical rules in order to allow gradually shifting from examples to the final system specification.	what:information:rules

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68	A method for supporting use-case analysis that combines exemplary scenarios and general logical rules in order to allow gradually shifting from examples to the final system specification.	+ phase:specification what:documentation:usecases
69	A case study for finding out whether a restricted English grammar can be applied in the automotive context in order to support automatic consistency checking	:context_consistency what:challenge:process_automation
69	A case study for finding out whether a restricted English grammar can be applied in the automotive context in order to support automatic consistency checking	clarity:sector_automotive what:domain:sector_automotive
70	An industrial study based on questionnaires and interviews on the current industry needs concerning methodological support for requirements engineering in the embedded systems domain	what:domain:systemclass_embedded
71	An experiment with students on a method to support creativity in requirements engineering in order to get evidence about its creativity enhancement potential	what:challenge:people_skills
72	A study based on experiments with students and a case study on the possible benefits of considering existing services and their alignment with requirements at a very early stage in order to exploit the desired benefits of reuse in service-oriented architectures	what:phase:management
72	A study based on experiments with students and a case study on the possible benefits of considering existing services and their alignment with requirements at a very early stage in order to exploit the desired benefits of reuse in service-oriented architectures	what:challenge:process_standardization
73	A case study on a requirements engineering improvement project consisting of a set of techniques applied to solve a handful of previously identified RE-related problems	what:challenge:problem
73	A case study on a requirements engineering improvement project consisting of a set of techniques applied to solve a handful of previously identified RE-related problems	what:challenge:process_improving
74	A method for identifying security-relevant requirements integrated in a workflow of requirements analysis in order to increase security awareness within the software development process	what:phase:analysis
74	A method for identifying security-relevant requirements integrated in a workflow of requirements analysis in order to increase security awareness within the software development process	what:information:quality_security
75	A method for analysing requirements on e-services from the service consumer's perspective in order to make them fit smoothly into the service consumers' business processes	what:phase:analysis
76	A case study for finding out which concepts of agile prioritization are shared in practice and in literature and how they are used to provide guidance for prioritization	what:challenge:process_prioritization

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76	A case study for finding out which concepts of agile prioritization are shared in practice and in literature and how they are used to provide guidance for prioritization	what:domain:organization_agile
77	A document-driven study with practitioners and researchers for investigating if use cases are as effective as task descriptions with respect to completeness, correctness and understandability of emerging requirements	what:documentation:usecases
77	A document-driven study with practitioners and researchers for investigating if use cases are as effective as task descriptions with respect to completeness, correctness and understandability of emerging requirements	what:challenge:content_completeness
77	A document-driven study with practitioners and researchers for investigating if use cases are as effective as task descriptions with respect to completeness, correctness and understandability of emerging requirements	what:challenge:content_understandability
78	An experience report on the use of tools and techniques for systematic elicitation, analysis and documentation of sustainability requirements in order to minimize negative environmental impact of the software under construction	+ phase:analysis + phase:specification what:phase:elicitation
78	An experience report on the use of tools and techniques for systematic elicitation, analysis and documentation of sustainability requirements in order to minimize negative environmental impact of the software under construction	what:information:quality_sustainability
79	A method for identifying groups of similarly optimal solutions in order to support multi-objective decisions problems	what:challenge:problem
79	A method for identifying groups of similarly optimal solutions in order to support multi-objective decisions problems	what:challenge:process_deciding
80	A method for defining efficiently trace links among business application artifacts in order to decrease the developer's workload for setting trace links	what:documentation:artifacts
80	A method for defining efficiently trace links among business application artifacts in order to decrease the developer's workload for setting trace links	what:challenge:content_traceability
81	An interview-based study with practitioners on communication gaps in large-scale industrial RE revealing scale, temporal aspects, common views, and decision structures as main factors that affect the requirements communication.	what:challenge:people_communication
82	A method for developing specifications in quick iterations of analyzing and refining a formal specification in order to facilitate rapid evolution of specifications of system features.	Specification what:phase:management
83	A solution for quantifying the consequence of stopping RE too early in order to avoid avoidable scope creep.	what:challenge:content_completeness

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✓ 84	A method for negotiating requirements induced by the selections of off-the-shelf components in order to prevent a selection of unsuited or inappropriate components	what:phase:analysis
✓ 85	An experience report on the state of the practice of requirements engineering in the nuclear energy domain in Finland	what:domain:sector_energy
✓ 85	An experience report on the state of the practice of requirements engineering in the nuclear energy domain in Finland	what:region:country_finland
✗ 86	A method for simplifying overly complicated requirements in order to identify specification problems	what:challenge:problem <i>+ phase:open/zon</i>
✓ 86	A method for simplifying overly complicated requirements in order to identify specification problems	what:challenge:content_understandability
✓ 87	A method for semi-automatic extraction of feature models from natural language specifications in order to support requirements reuse.	what:phase:management
✓ 87	A method for semi-automatic extraction of feature models from natural language specifications in order to support requirements reuse.	what:documentation:featuremodels
✓ 87	A method for semi-automatic extraction of feature models from natural language specifications in order to support requirements reuse.	what:documentation:naturallanguage
✓ 87	A method for semi-automatic extraction of feature models from natural language specifications in order to support requirements reuse.	what:challenge:process_automation
✓ 87	A method for semi-automatic extraction of feature models from natural language specifications in order to support requirements reuse.	what:challenge:process_standardization
✓ 88	A multi-case study on prioritization of quality requirements in 11 companies in order to help future research on quality requirements to focus investigations on industry-relevant issues	what:information:quality_all
✓ 88	A multi-case study on prioritization of quality requirements in 11 companies in order to help future research on quality requirements to focus investigations on industry-relevant issues	what:challenge:process_prioritization
✓ 89	An online-survey on factors that prevent business analysts from applying their requirements analysis knowledge in practice.	what:phase:analysis
! 90	A method for analyzing cross-references within legal regulations in order to address conflicting requirements.	what:phase:analysis <i>- challenge:context_lawmaking</i>
✓ 90	A method for analyzing cross-references within legal regulations in order to address conflicting requirements.	what:challenge:context_regulation
✓ 91	A solution for enabling citizens to report problems with or making suggestions for a software system by smartphone in order to identify new requirements.	what:phase:elicitation

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91	A solution for enabling citizens to report problems with or making suggestions for a software system by smartphone in order to identify new requirements.	what:challenge:problem
✓ 92	A case study on the use of a classification of requirements change sources (e.g., market, organization, specification) in order to support change management, improve understanding and risk visibility.	what:phase:management
✓ 92	A case study on the use of a classification of requirements change sources (e.g., market, organization, specification) in order to support change management, improve understanding and risk visibility.	what:challenge:content_understandability
✓ 92	A case study on the use of a classification of requirements change sources (e.g., market, organization, specification) in order to support change management, improve understanding and risk visibility.	what:challenge:process_improving
✓ 92	A case study on the use of a classification of requirements change sources (e.g., market, organization, specification) in order to support change management, improve understanding and risk visibility.	what:challenge:context_uncertainty
✗ 93	A case study on the inability of students to assess whether requirements meet their corresponding legal obligations in order to motivate the need for domain experts and the potential utility of legal requirements metrics.	+ challenge:people-skills what:challenge:context_regulation
✓ 94	A solution for extracting logical structures (e.g., use cases, business rules or functional requirements) from rich-text documents written in general-purpose editors, such as MS Word in order to enable advanced requirements management features.	what:phase:management
✓ 94	A solution for extracting logical structures (e.g., use cases, business rules or functional requirements) from rich-text documents written in general-purpose editors, such as MS Word in order to enable advanced requirements management features.	what:information:functional
✓ 94	A solution for extracting logical structures (e.g., use cases, business rules or functional requirements) from rich-text documents written in general-purpose editors, such as MS Word in order to enable advanced requirements management features.	what:information:rules
✓ 94	A solution for extracting logical structures (e.g., use cases, business rules or functional requirements) from rich-text documents written in general-purpose editors, such as MS Word in order to enable advanced requirements management features.	what:documentation:usecases
✓ 94	A solution for extracting logical structures (e.g., use cases, business rules or functional requirements) from rich-text documents written in general-purpose editors, such as MS Word in order to enable advanced requirements management features.	what:documentation:naturallanguage

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✓ 95	A multi-case study on assisted requirements tracing, a process in which an analyst validates candidate traces produced by an automated requirements tracing tool.	what:phase:evaluation
✓ 95	A multi-case study on assisted requirements tracing, a process in which an analyst validates candidate traces produced by an automated requirements tracing tool.	what:challenge:content_traceability
✓ 95	A multi-case study on assisted requirements tracing, a process in which an analyst validates candidate traces produced by an automated requirements tracing tool.	what:challenge:process_automation
+ 96	An experience report on the efforts to identify and monitor requirements uncertainty at Rolls-Royce in order to reduce the risk of late rework.	domain:automotive what:phase:management
✓ 96	An experience report on the efforts to identify and monitor requirements uncertainty at Rolls-Royce in order to reduce the risk of late rework.	what:challenge:context_uncertainty
✓ 97	A method for simulating quantitative goal models in order to estimate the levels of goal satisfaction contributed by alternative system designs and optimize the system design.	what:documentation:goalmodels
✓ 98	A discussion on applying agile insights to requirements engineering activities in order to optimize allocation of resources to RE activities	what:domain:organization_agile
✗ 99	A discussion and solution for examining organizational structures for power relationships in order to support decision-making processes.	+ challenge:people_collaboration what:challenge:process_deciding
✓ 100	A method for risk assessment in context of security requirements in order to guide the security argumentation in identifying rebuttals and mitigations for security requirements satisfaction.	what:information:quality_security
✓ 100	A method for risk assessment in context of security requirements in order to guide the security argumentation in identifying rebuttals and mitigations for security requirements satisfaction.	what:challenge:context_uncertainty
✓ 101	A method for analysing requirements for embedded systems in order to separate relevant from irrelevant context elements.	what:phase:analysis
✓ 101	A method for analysing requirements for embedded systems in order to separate relevant from irrelevant context elements.	what:domain:systemclass_embedded
✓ 102	An experience report on applying component-bus-system-properties in mobile applications in order to refine software requirements to software architectures.	what:domain:sector_mobile
✓ 103	A method for relaxing quality or functional requirements that are not crucial to the survival of a web system in order to increase the availability of a specific set of crucial services.	what:information:functional

PaperID	PaperSummary	Tag
103	A method for relaxing quality or functional requirements that are not crucial to the survival of a web system in order to increase the availability of a specific set of crucial services.	+ information:quality:all what:domain:sector_it
104	A method for eliciting requirements for context-adaptive systems based on observing anonymous users in order to increase the representativeness of the requirements.	what:phase:elicitation
104	A method for eliciting requirements for context-adaptive systems based on observing anonymous users in order to increase the representativeness of the requirements.	what:domain:systemclass_adaptive
105	A case study on roles and communication structures in a software team in order to investigate potential improvements of collaborations driven by requirements.	what:challenge:people_communication
105	A case study on roles and communication structures in a software team in order to investigate potential improvements of collaborations driven by requirements.	what:challenge:people_collaboration
105	A case study on roles and communication structures in a software team in order to investigate potential improvements of collaborations driven by requirements.	what:challenge:process_improving
106	A method for automatically constructing models in order to predict which feature requests are most likely to fail due to insufficient or inadequate upfront analysis.	what:challenge:content_completeness
106	A method for automatically constructing models in order to predict which feature requests are most likely to fail due to insufficient or inadequate upfront analysis.	what:challenge:content_all
106	A method for automatically constructing models in order to predict which feature requests are most likely to fail due to insufficient or inadequate upfront analysis.	what:challenge:process_automation
107	An experience report on using traditional requirements engineering techniques, formal methods, and visual narratives to disambiguate natural language safety requirements of industrial standards.	what:information:quality_safety
107	An experience report on using traditional requirements engineering techniques, formal methods, and visual narratives to disambiguate natural language safety requirements of industrial standards.	what:documentation:naturallanguage
107	An experience report on using traditional requirements engineering techniques, formal methods, and visual narratives to disambiguate natural language safety requirements of industrial standards.	what:challenge:content_unambiguousness
107	An experience report on using traditional requirements engineering techniques, formal methods, and visual narratives to disambiguate natural language safety requirements of industrial standards.	+ challenge:context_regulation what:challenge:process_visualization
108	A method for finding desirable design solutions as the requirements change by reusing parts of old solutions in order to minimize the effort required to implement new solutions.	+ challenge:process_standards what:phase:management

PaperID	PaperSummary	Tag
109	A discussion on the joint usage of i* goal models with other modeling frameworks in order to combine the advantages of goal-oriented RE with other paradigms	what:information:goals
109	A discussion on the joint usage of i* goal models with other modeling frameworks in order to combine the advantages of goal-oriented RE with other paradigms	what:documentation:goalmodels
110	A discussion of the concepts of tracing across multiple disciplines in order to illustrate how existing practices in requirements tracing could be leveraged.	what:challenge:content_traceability
111	An action research study on roadmapping problems of two software product companies in order to shift the focus of roadmapping from prioritization of software features to analysis and prioritization of customers' processes	what:challenge:problem
111	An action research study on roadmapping problems of two software product companies in order to shift the focus of roadmapping from prioritization of software features to analysis and prioritization of customers' processes	what:challenge:process_prioritization
112	A set of four experiments with students on the impact of System Sequence Diagrams and System Operation Contracts in order to assess the quality of the system domain model	what:documentation:diagrams
113	A method for generating a set of obstacle conditions corresponding to exceptional conditions that may obstruct system goals in order to detect missing requirements.	what:challenge:content_completeness
114	A method for reasoning with partial models that capture uncertainty coming from multiple open choices in early specification stages in order to support modeling when requirements are still to be clarified	phase:specification what:challenge:content_unambiguousness
114	A method for reasoning with partial models that capture uncertainty coming from multiple open choices in early specification stages in order to support modeling when requirements are still to be clarified	what:challenge:context_uncertainty
115	A method for automating the construction of traceability links for architectural tactics in order to support software maintenance and preserve architectural qualities	what:phase:management
115	A method for automating the construction of traceability links for architectural tactics in order to support software maintenance and preserve architectural qualities	what:information:architecture
115	A method for automating the construction of traceability links for architectural tactics in order to support software maintenance and preserve architectural qualities	what:challenge:content_traceability
115	A method for automating the construction of traceability links for architectural tactics in order to support software maintenance and preserve architectural qualities	what:challenge:process_automation

PaperID	PaperSummary	Tag
116	A method for transforming security policies expressed in natural language to a formal, processable form in order to detect inconsistencies in access control policies	what:information:quality_security
116	A method for transforming security policies expressed in natural language to a formal, processable form in order to detect inconsistencies in access control policies	what:documentation:naturallanguage
116	A method for transforming security policies expressed in natural language to a formal, processable form in order to detect inconsistencies in access control policies	what:challenge:content_consistency
117	A method for conducting failure analysis of systems that consist of several interacting component in order to integrate FMEA and system modelling.	what:challenge:failure
118	An experience report on challenges and potential solutions of a supplier company with respect to tender processes.	what:domain:sector_supplier
119	A template for systematically deriving requirements elicitation instructions in Application Engineering processes in order to elicit requirements more effectively	what:phase:elicitation
119	A template for systematically deriving requirements elicitation instructions in Application Engineering processes in order to elicit requirements more effectively	what:challenge:process_standardization
121	A case study on planning the releases of an evolving software solution in the presence of low-quality input requirement in order to reduce release planning effort and increase decision-making flexibility	what:phase:management
121	A case study on planning the releases of an evolving software solution in the presence of low-quality input requirement in order to reduce release planning effort and increase decision-making flexibility	what:challenge:process_deciding
122	A multi-case study on the use of goal-oriented requirements engineering techniques to improve traceability among enterprise architectures and business goals	what:information:goals
122	A multi-case study on the use of goal-oriented requirements engineering techniques to improve traceability among enterprise architectures and business goals	what:challenge:content_traceability
122	A multi-case study on the use of goal-oriented requirements engineering techniques to improve traceability among enterprise architectures and business goals	Information : architecture what:challenge:process_improving
123	A study with practitioners, researchers and students based on an experiment and interviews for understanding in which context do common traceability visualization techniques fit better and what information to visualize	what:challenge:content_traceability

PaperID	PaperSummary	Tag
✓ 123	A study with practitioners, researchers and students based on an experiment and interviews for understanding in which context do common traceability visualization techniques fit better and what information to visualize	what:challenge:process_visualization
✓ 124	A set of reusable queries for implementing a blueprint for traceability in safety-critical systems in order to comply with full life-cycle traceability as required by certification and regulatory agencies	what:challenge:content_traceability
✓ 124	A set of reusable queries for implementing a blueprint for traceability in safety-critical systems in order to comply with full life-cycle traceability as required by certification and regulatory agencies	what:challenge:process_standardization
✓ 124	A set of reusable queries for implementing a blueprint for traceability in safety-critical systems in order to comply with full life-cycle traceability as required by certification and regulatory agencies	what:challenge:context_regulation
✓ 124	A set of reusable queries for implementing a blueprint for traceability in safety-critical systems in order to comply with full life-cycle traceability as required by certification and regulatory agencies	what:domain:systemclass_safetycritical
+ 125	A modeling language for representing and analysing requirements for Self-Adaptive Systems in order to make them readable by non-engineering stakeholders	+ phase:specification what:phase:analysis
✓ 125	A modeling language for representing and analysing requirements for Self-Adaptive Systems in order to make them readable by non-engineering stakeholders	what:challenge:content_understandability
✓ 125	A modeling language for representing and analysing requirements for Self-Adaptive Systems in order to make them readable by non-engineering stakeholders	what:domain:systemclass_adaptive
# 126	A method for assessing the impact of changes in one requirement into other requirements in order to analyze the impact of requirement volatility on a project plan	+ challenge:context_uncertainty what:phase:management
✓ 127	A literature study on the meaning of the word "creativity" in Social Sciences and Requirements Engineering in order to understand which kinds of creativity are relevant to a project and which creativity tools to use	what:documentation:naturallanguage
✓ 127	A literature study on the meaning of the word "creativity" in Social Sciences and Requirements Engineering in order to understand which kinds of creativity are relevant to a project and which creativity tools to use	what:challenge:people_skills
✓ 128	A case study on the awareness and handling of non-functional requirements among software architects, and their effect on IT project success	what:information:quality_all
+ 129	An interview-based study with practitioners on how functional and non-functional requirement mismatches are handled in Open Source Software adoption projects	+ challenge:context_all + functional what:information:quality_all
✓ 130	A case study on a failed governmental IT project in order to understand the causes of failure from a requirements perspective	what:challenge:failure

PaperID	PaperSummary	Tag
130	A case study on a failed governmental IT project in order to understand the causes of failure from a requirements perspective	what:domain:sector_public
131	A method for aligning and reconciling requirements from multiple jurisdictions (municipalities, provinces, nations) in order to reduce the number of requirements a company must comply with.	what:challenge:context_regulation
132	A method for individual users to express privacy preferences, which are then used to reason about privacy for each user in different contexts.	what:information:quality_security
133	An experience report on two requirements reuse strategies applied in one company in order to compare savings in reduced effort by reusing common requirements.	what:phase:management
133	An experience report on two requirements reuse strategies applied in one company in order to compare savings in reduced effort by reusing common requirements.	what:challenge:process_standardization
134	A solution for monitoring requirements in software systems by maintaining an instance of a state machine for each requirement in order to enable runtime monitoring and compensation capabilities	what:phase:management
134	A solution for monitoring requirements in software systems by maintaining an instance of a state machine for each requirement in order to enable runtime monitoring and compensation capabilities	what:documentation:statemachines
135	A field study on 62 applications of the Software Product Management Maturity Matrix that enables product managers to benchmark their organization in order to suggest improvements of the matrix.	what:challenge:process_improving
136	A discussion of Requirements Composition Tables (RCTs), which structure an application's functionality by core features and crosscutting concerns in order to explain this concept to practitioners and discuss its benefits	what:information:functional
136	A discussion of Requirements Composition Tables (RCTs), which structure an application's functionality by core features and crosscutting concerns in order to explain this concept to practitioners and discuss its benefits	+ phase:specification + what:documentation:featuremodels
137	A solution for comparing requirement sentences with domain-related documents in order to identify ambiguities in natural language requirements specifications.	what:phase:specification
137	A solution for comparing requirement sentences with domain-related documents in order to identify ambiguities in natural language requirements specifications.	what:documentation:naturallanguage
137	A solution for comparing requirement sentences with domain-related documents in order to identify ambiguities in natural language requirements specifications.	what:challenge:content_unambiguousness

PaperID	PaperSummary	Tag
✓ 138	A solution for automatic detection of speculative language use in natural language requirements in order to identify and uncover uncertainty in requirements.	what:documentation:naturallanguage
✓ 138	A solution for automatic detection of speculative language use in natural language requirements in order to identify and uncover uncertainty in requirements.	what:challenge:process_automation
✓ 138	A solution for automatic detection of speculative language use in natural language requirements in order to identify and uncover uncertainty in requirements.	what:challenge:context_uncertainty
✓ 139	A method for modeling regulations with a particular requirement specification language in order to help getting a more precise understanding of who complies with what.	what:phase:specification
✓ 139	A method for modeling regulations with a particular requirement specification language in order to help getting a more precise understanding of who complies with what.	what:challenge:content_understandability
✓ 139	A method for modeling regulations with a particular requirement specification language in order to help getting a more precise understanding of who complies with what.	what:challenge:context_regulation
✓ 140	An experience report on categorizing requirements in large systems engineering projects in order to present practical issues with requirements categorization	what:phase:analysis
✓ 141	A method for detecting and classifying clarification events in online requirement discussions in order to highlight risks related to shared understanding.	what:challenge:content_unambiguousness
✓ 141	A method for detecting and classifying clarification events in online requirement discussions in order to highlight risks related to shared understanding.	what:challenge:content_understandability
+ 141	A method for detecting and classifying clarification events in online requirement discussions in order to highlight risks related to shared understanding.	+ challenge : people - communication what:challenge:context_uncertainty
+ 142	A method for relating security-relevant assets to requirements and objectives of an attacker in order to analyze system security in different situations and to enable a set of countermeasures to mitigate security threats.	+ challenge : context_uncertainty what:information:quality_security
✓ 143	A study based on an online-survey on how product management practitioners understand the term product management in order to evolve product management frameworks and develop necessary skill sets for education of product managers.	what:phase:management
✓ 143	A study based on an online-survey on how product management practitioners understand the term product management in order to evolve product management frameworks and develop necessary skill sets for education of product managers.	what:challenge:people_skills

PaperID	PaperSummary	Tag
✓ 144	A case study on the selection of the most appropriate value-based requirements prioritization framework given the requirements of a particular company	what:challenge:process_prioritization
✓ 145	A method for quantitatively analyzing contribution relationship measures in goal models in order to support informed decisions about different solutions to requirements problems.	what:documentation:goalmodels
+ 145	A method for quantitatively analyzing contribution relationship measures in goal models in order to support informed decisions about different solutions to requirements problems.	+ challenge: process-deciding what:challenge:problem
+ 146	An experiments with students for understanding when and why humans make correct and incorrect decisions during tracing tasks with the support of a trace matrix that visualizes progress	+ challenge: process-tracing what:challenge:content_traceability
✓ 146	An experiments with students for understanding when and why humans make correct and incorrect decisions during tracing tasks with the support of a trace matrix that visualizes progress	what:challenge:process_visualization
✓ 147	A method for scenario-based specifications of component interactions in order to find inconsistencies between specifications of many variants in product lines	what:information:scenarios
✓ 147	A method for scenario-based specifications of component interactions in order to find inconsistencies between specifications of many variants in product lines	what:challenge:content_consistency
✓ 148	An interview-based study with practitioners on how software architects deal with non-functional requirements in order to increase knowledge about the state of the practice.	what:information:quality_all
✓ 149	A solution for mining "requires" or "excludes" constraints in the construction of feature models.	what:documentation:featuremodels
✗ 150	<del>A solution for automatically detecting outdated requirements based on changes in the code in order to keep requirements specifications up-to-date</del>	<del>what:phase:specification</del>
✓ 150	A solution for automatically detecting outdated requirements based on changes in the code in order to keep requirements specifications up-to-date	what:phase:management
✓ 150	A solution for automatically detecting outdated requirements based on changes in the code in order to keep requirements specifications up-to-date	what:challenge:process_automation
✓ 151	A method for managing and reducing requirements uncertainty by partial requirements models so that uncertainty can be made explicit and incrementally removed	what:challenge:context_uncertainty
+ 152	An experience report on applying a visual requirements modeling language that mitigates some of the weaknesses of UML in describing requirements.	+ challenge: process-finalization what:challenge:process_visualization
✓ 153	A method for predicting what areas of a proposed legal rule are most likely to evolve in order to allow engineers to begin building their software towards the more stable sections of the rule.	what:phase:management

PaperID	PaperSummary	Tag
153	A method for predicting what areas of a proposed legal rule are most likely to evolve in order to allow engineers to begin building their software towards the more stable sections of the rule.	what:information:rules
153	A method for predicting what areas of a proposed legal rule are most likely to evolve in order to allow engineers to begin building their software towards the more stable sections of the rule.	what:challenge:context_regulation
154	A solution for recommending trace links while creating or modifying traceable artifacts in order to avoid trace link creation towards the end of a project.	what:documentation:artifacts
154	A solution for recommending trace links while creating or modifying traceable artifacts in order to avoid trace link creation towards the end of a project.	what:challenge:content_traceability
155	A discussion on view-based requirements specifications including challenges and research questions in order to better understand the particular information needs of downstream development roles.	what:phase:specification
156	A solution for extracting and ranking requirement candidates based on an analysis of web server logs in order to improve requirements elicitation and prioritization	what:phase:elicitation
156	A solution for extracting and ranking requirement candidates based on an analysis of web server logs in order to improve requirements elicitation and prioritization	what:challenge:process_prioritization
156	A solution for extracting and ranking requirement candidates based on an analysis of web server logs in order to improve requirements elicitation and prioritization	what:challenge:process_improving
156	A solution for extracting and ranking requirement candidates based on an analysis of web server logs in order to improve requirements elicitation and prioritization	what:domain:sector_it
157	A solution for identifying and resolving feature interactions at the level of requirements specifications in order to detect undesirable behavior earlier in the development life-cycle.	what:phase:specification
158	A modelling language for modelling the behavioural requirements of a software product line in order to ease the task of adding new features to a set of existing requirements.	+ phase:specification what:information:systembehavior
158	A modelling language for modelling the behavioural requirements of a software product line in order to ease the task of adding new features to a set of existing requirements.	what:documentation:featuremodels
159	A discussion on the state of the art in traceability, the grand challenge for traceability, and future directions for the field in order to increase the pervasiveness in industry.	what:challenge:content_traceability
160	A method for annotating goals and assessing obstacles with probability measures in order to increase requirements completeness.	+ Information:goals what:challenge:content_completeness

PaperID	PaperSummary	Tag
161	A study based on review inspections and interviews with practitioners on the most critical and important quality criteria for natural language requirements specifications	what:phase:specification
161	A study based on review inspections and interviews with practitioners on the most critical and important quality criteria for natural language requirements specifications	what:phase:evaluation
161	A study based on review inspections and interviews with practitioners on the most critical and important quality criteria for natural language requirements specifications	what:documentation:naturallanguage
162	An experiment for testing the hypothesis that adding a requirements analyst who is ignorant of the domain improves the effectiveness of the requirements elicitation team.	what:phase:elicitation
162	An experiment for testing the hypothesis that adding a requirements analyst who is ignorant of the domain improves the effectiveness of the requirements elicitation team.	what:phase:evaluation
162	An experiment for testing the hypothesis that adding a requirements analyst who is ignorant of the domain improves the effectiveness of the requirements elicitation team.	what:challenge:process_improving
163	A solution for grouping generated trace link candidates in high-quality and low-quality clusters in order to improve the accuracy of automatic trace link recovery tools.	what:phase:management
163	A solution for grouping generated trace link candidates in high-quality and low-quality clusters in order to improve the accuracy of automatic trace link recovery tools.	what:challenge:content_traceability
163	A solution for grouping generated trace link candidates in high-quality and low-quality clusters in order to improve the accuracy of automatic trace link recovery tools.	what:challenge:process_automation
163	A solution for grouping generated trace link candidates in high-quality and low-quality clusters in order to improve the accuracy of automatic trace link recovery tools.	what:challenge:process_improving
164	An experience report on how the use of RE methods in DNA nanotechnology contributes to make DNA nanotechnology more productive, predictable, and safe.	what:domain:sector_nanotechnology
165	A multi-case study on how frequently do some classes of requirements appear in specifications for web-based enterprise systems	what:domain:systemclass_bi
165	A multi-case study on how frequently do some classes of requirements appear in specifications for web-based enterprise systems	what:domain:sector_it
166	An interview-based study with practitioners for understanding the adjustment of requirement management practices after the adoption of open source software in order to facilitate open innovation	what:phase:management

PaperID	PaperSummary	Tag
✓ 167	An experiment with students for assessing the effect of real-time machine translation on multilingual terms in order to leverage communication power in globally-distributed, multilingual project meetings	what:challenge:people_communication
✗ 168	A set of two experiments with students and practitioners for investigating whether the granularity and cognitive support of prioritization techniques affect the judgement of product features as essential	+ challenge:process-clearly what:challenge:process_prioritization
✓ 169	A data-driven study on analysing the data collected via data mining from a commercial game over a three-year period in order to provide recommendations for future development.	what:domain:sector_media
✓ 170	A method for supporting adaptation to non-functional manifestations of uncertainty in order to optimize the system's ability to meet its non-functional requirements	what:phase:management
✓ 170	A method for supporting adaptation to non-functional manifestations of uncertainty in order to optimize the system's ability to meet its non-functional requirements	what:information:quality_all
✓ 170	A method for supporting adaptation to non-functional manifestations of uncertainty in order to optimize the system's ability to meet its non-functional requirements	what:challenge:context_uncertainty
✗ 171	A method for finding the root causes of the non-realizability of a scenario-based system specification in order to detect conflicts in the specification	+ phase:specification what:information:scenarios
✓ 171	A method for finding the root causes of the non-realizability of a scenario-based system specification in order to detect conflicts in the specification	what:challenge:content_feasibility
✗ 172	A case study on the impact of issue report misclassification (between feature and bug) in order to improve bug prediction	+ phase:management what:challenge:process_improving
✗ 173	A multi-case study on how information flows between different human roles in software projects with contrasting distributions of domain knowledge and different communication structures.	people what:challenge:people_communication
✓ 174	A method for synthesising response time requirements of component services in order to guarantee the global response time requirement of a service composition	what:information:quality_performance
✓ 175	A framework for supporting the selective disclosure of personal information according to context information (time, location, etc.) gathered at runtime in order to continuously satisfy privacy requirements	what:phase:management
✓ 175	A framework for supporting the selective disclosure of personal information according to context information (time, location, etc.) gathered at runtime in order to continuously satisfy privacy requirements	what:information:quality_security
✓ 176	An experiment with students to understand how requirements analysts seek and gather information when linking requirements to other software artifacts	what:documentation:artifacts

PaperID	PaperSummary	Tag
176	An experiment with students to understand how requirements analysts seek and gather information when linking requirements to other software artifacts	+ challenge:people-skills what:challenge:content_traceability
177	A method for analysing large sets of user feedback in order to extract new/changed requirements for next versions	+ phase:management what:challenge:people_communication
178	A method for automatically deriving a machine specification satisfying a set of goals in a domain in order to reducing requirement modeling effort	+ information:goals what:challenge:process_automation
179	A method for automatically extracting a feature model from publicly available natural language product descriptions in order to speed up such feature model extraction process	what:documentation:featuremodels
179	A method for automatically extracting a feature model from publicly available natural language product descriptions in order to speed up such feature model extraction process	what:documentation:naturallanguage
179	A method for automatically extracting a feature model from publicly available natural language product descriptions in order to speed up such feature model extraction process	what:challenge:process_automation
180	A method for transforming an under-specified visual design mockup drawn by the designer to an accurate and flexible web page with virtually no manual effort	what:challenge:process_visualization
180	A method for transforming an under-specified visual design mockup drawn by the designer to an accurate and flexible web page with virtually no manual effort	what:domain:sector_it
181	A method for recovering traceability links between software artifacts that can be configured at runtime in order to optimize trace quality	what:phase:management
181	A method for recovering traceability links between software artifacts that can be configured at runtime in order to optimize trace quality	what:documentation:artifacts
181	A method for recovering traceability links between software artifacts that can be configured at runtime in order to optimize trace quality	what:challenge:content_traceability
182	A technique for both analyzing specifications of a product line to ensure that it is realizable and automatically synthesizing software components that show which sequences of actions the system can do to implement the specification	+ phase:analysis what:challenge:content_feasibility
182	A technique for both analyzing specifications of a product line to ensure that it is realizable and automatically synthesizing software components that show which sequences of actions the system can do to implement the specification	what:challenge:process_automation

PaperID	PaperSummary	Tag
✓ 183	A study based on practitioner interviews and project data to create a framework to assess requirement-ambiguity risk in order to understand the relationship between requirement ambiguity and project success	what:challenge:content_unambiguousness
✓ 183	A study based on practitioner interviews and project data to create a framework to assess requirement-ambiguity risk in order to understand the relationship between requirement ambiguity and project success	what:challenge:context_uncertainty
✗ 184	A case study for evaluating the suitability of a new software release planning (SRP) process in order to improve and customize SRP in practice.	phase:management what:challenge:process_improving
✓ 185	A method for identifying relevant groups of stakeholders in order to enable facilitated decision-making and handling of requirements	what:challenge:process_deciding
✓ 186	A case study on understanding software product management challenges in order to understand how the evolving management style has affected the way product requirements are managed	what:phase:management
✓ 186	A case study on understanding software product management challenges in order to understand how the evolving management style has affected the way product requirements are managed	what:information:functional
✓ 187	A case study for analysing the emergence of mutual and shared understanding in the written communication of a multidisciplinary team in order to support effective collaboration	what:challenge:content_understandability
✓ 187	A case study for analysing the emergence of mutual and shared understanding in the written communication of a multidisciplinary team in order to support effective collaboration	what:challenge:people_communication
✓ 187	A case study for analysing the emergence of mutual and shared understanding in the written communication of a multidisciplinary team in order to support effective collaboration	what:challenge:people_collaboration
✓ 188	An interview-based study with practitioners for understanding what traceability usage scenarios are most relevant for practitioners in order to provide a better traceability support.	what:information:scenarios
✓ 188	An interview-based study with practitioners for understanding what traceability usage scenarios are most relevant for practitioners in order to provide a better traceability support.	what:challenge:content_traceability
✓ 189	A method for grouping similar requirements in order to ease and allow a proper understanding of a requirements document.	what:challenge:content_understandability
✓ 190	A method for selecting a regulatory compliance solution that best suits the stakeholder preferences.	what:challenge:context_regulation
✓ 191	A literature study for understanding how the distance between RE and other development activities affect coordination and alignment to meet customer needs	what:domain:organization_distributed
✓ 192	A case study for understanding the challenges of use case and requirements analysis in a low-tech rural environment	what:phase:analysis

PaperID	PaperSummary	Tag
192	A case study for understanding the challenges of use case and requirements analysis in a low-tech rural environment	what:documentation:usecases
193	A method for automatically finding ambiguities in RE documents in order to avoid the need for manual checks	what:challenge:content_unambiguousness
193	A method for automatically finding ambiguities in RE documents in order to avoid the need for manual checks	what:challenge:process_automation
194	A method for architecting systems that contain requirements with consequences over the software architecture in order to ensure the architecture meets the requirements	what:information:architecture
195	A document-driven study for analysing RE-related job advertisements in order to determine how practitioners perceive and staff requirements engineers.	what:challenge:people_subjectivity
195	A document-driven study for analysing RE-related job advertisements in order to determine how practitioners perceive and staff requirements engineers.	what:challenge:people_skills
196	An experiment with students for comparing two requirements elicitation approaches when instantiating a Software Product Line (SPL) in order to understand which approach is more suitable for eliciting requirements when using SPLs.	what:phase:elicitation
197	A method for eliciting and modeling requirements for motion-based games for physiotherapy in order to guide the patients in performing the right movements for their rehabilitation	what:phase:elicitation
197	A method for eliciting and modeling requirements for motion-based games for physiotherapy in order to guide the patients in performing the right movements for their rehabilitation	+ domain:sector_health + what:domain:sector_media
198	A method for supporting decision making for self adaptive systems in order to deal with uncertainty at runtime	what:phase:management
198	A method for supporting decision making for self adaptive systems in order to deal with uncertainty at runtime	what:challenge:process_deciding
198	A method for supporting decision making for self adaptive systems in order to deal with uncertainty at runtime	what:challenge:context_uncertainty
198	A method for supporting decision making for self adaptive systems in order to deal with uncertainty at runtime	what:domain:systemclass_adaptive
199	A method for modelling i* elements in UML in order to enable the usage of existing UML tools for i*	what:documentation:goalmodels+ domain:clipspace
200	A method for gathering feedback before a user has had experience with a software system in order to reduce the mismatch between actual and predicted user satisfaction	what:challenge:people_communication

PaperID	PaperSummary	Tag
✓ 201	An interview-based study with practitioners for understanding how software architects cope with quality requirements in the context of large software system projects	what:information:quality_all
✗ 202	A method for expressing legal requirements in order to overcome significant challenges in managing the many laws that govern their systems in a multi-jurisdictional environment	+ phase:specification what:challenge:context_regulation
✓ 203	An interview-based study with practitioners on requirements traceability across organizational boundaries in order to identify current needs and challenges.	what:challenge:content_traceability
✗ 204	A case study for analyzing whether requirements with related information spread over many sections of many documents can be automatically classified	+ phase:specification what:challenge:process_automation
✓ 205	A case study for understanding the root causes of failed software projects in order to identify risk areas and provide practical guidance to practitioners	what:challenge:failure
✓ 205	A case study for understanding the root causes of failed software projects in order to identify risk areas and provide practical guidance to practitioners	what:challenge:context_uncertainty
✗ 206	A case study on requirements brainstorming sessions considering knowledge of the domain as the factor to be measured in order to assess the effectiveness of idea generation	challenge:people+ what:phase:elicitation
✗ 207	A method for identifying unstated assumptions in composite service-oriented applications in order to decrease the risk of unexpected behavior	+ challenge:context_completeness what:challenge:context_uncertainty
✓ 208	A literature survey on requirements elicitation techniques and a roadmap of research in order to improve the elicitation of tacit knowledge	what:phase:elicitation
✓ 208	A literature survey on requirements elicitation techniques and a roadmap of research in order to improve the elicitation of tacit knowledge	what:challenge:process_improving
✗ 208	A literature survey on requirements elicitation techniques and a roadmap of research in order to improve the elicitation of tacit knowledge	+ challenge:context_completeness what:general:research
✗ 209	A method for predicting integration bugs based on network measures calculated over requirements dependency networks	+ phase:management what:challenge:content_traceability
✓ 210	An interview-based study on requirements elicitation techniques used by cloud providers in order to clarify challenges related to requirements elicitation posed by the cloud paradigm	what:phase:elicitation
✗ 210	An interview-based study on requirements elicitation techniques used by cloud providers in order to clarify challenges related to requirements elicitation posed by the cloud paradigm	+ domain:sector_it what:challenge:content_unambiguousness

PaperID	PaperSummary	Tag
✓ 211	A method for refactoring new and inconsistent terminology in requirements in order to enhance the practicality of automated tracing tools.	what:challenge:content_consistency
✓ 211	A method for refactoring new and inconsistent terminology in requirements in order to enhance the practicality of automated tracing tools.	what:challenge:content_traceability
✗ 211	A method for refactoring new and inconsistent terminology in requirements in order to enhance the practicality of automated tracing tools.	+ documentation:naturallanguage what:challenge:process_automation
✗ 212	An experience report on the development of three generations of a product in order to assess the positive effects of well-written and well-reviewed requirements on the quality of the final product	documentation:naturallanguage what:phase:evaluation
✗ 213	A method for designing RE visual notations based on large groups of novices instead of small groups of experts in order to increase novice's ability to interpret RE notations correctly.	+ challenge:people-skills what:challenge:process_visualization
✓ 214	A solution for formally checking incomplete high-level specifications against formally specified requirements in order to integrate formal verification with agile approaches.	what:phase:evaluation
✗ 214	A solution for formally checking incomplete high-level specifications against formally specified requirements in order to integrate formal verification with agile approaches.	<del>design:process</del> what:challenge:content_completeness
✓ 214	A solution for formally checking incomplete high-level specifications against formally specified requirements in order to integrate formal verification with agile approaches.	what:domain:organization_agile
✓ 215	A method for automatic extraction of glossary terms from natural language requirements	what:documentation:naturallanguage
✓ 215	A method for automatic extraction of glossary terms from natural language requirements	what:challenge:process_automation
✓ 216	A case study on feature interactions in an automotive software system in order to assess the extent, awareness, and importance of interactions between features	what:domain:sector_automotive
✓ 217	A solution for leveraging a knowledge base of domain concepts and their relationships for fully automated creation of traceability links in order to increase precision and recall	what:challenge:content_traceability
✓ 217	A solution for leveraging a knowledge base of domain concepts and their relationships for fully automated creation of traceability links in order to increase precision and recall	what:challenge:process_automation
✓ 218	A method for systematically inspecting requirements specifications in order to increase their quality	what:phase:specification
✓ 219	A data-driven study on user feedback in app stores investigating how and when users provide feedback, the content of that feedback, and the impact of the feedback on the user community.	what:challenge:people_communication
✓ 220	An experience report on the requirements engineering process for a national Police Force Crime Records Management System in order to present key challenges	what:domain:sector_public

PaperID	PaperSummary	Tag
✓ 221	A method for analyzing the structured relationships between requirements in order to validate requirements for completeness, correctness, and consistency.	what:phase:evaluation
✗ 221	A method for analyzing the structured relationships between requirements in order to validate requirements for completeness, correctness, and consistency.	+ challenge:content_consistency what:challenge:content_completeness
✓ 222	A method for extracting a set of independent components from requirements descriptions in goal models in order to help analyzing the impact of requirements changes in the source code	what:phase:management
✓ 222	A method for extracting a set of independent components from requirements descriptions in goal models in order to help analyzing the impact of requirements changes in the source code	what:documentation:goalmodels
✓ 223	A method for eliciting requirements for new telemedicine applications in a collaborative setting of time-constrained medical practitioners and requirements engineers in order to ensure compliance with medical protocols	what:phase:elicitation
✓ 223	A method for eliciting requirements for new telemedicine applications in a collaborative setting of time-constrained medical practitioners and requirements engineers in order to ensure compliance with medical protocols	what:challenge:people_collaboration
✗ 223	A method for eliciting requirements for new telemedicine applications in a collaborative setting of time-constrained medical practitioners and requirements engineers in order to ensure compliance with medical protocols	+ challenge:context:regulation what:domain:sector_health
+	A method for translating IT regulations into a legal requirements coverage model used to make coverage assertions about existing or planned IT systems in order to help developers identifying relevant legal requirements	+ phase:specification what:challenge:context_regression
✓ 225	A method for decomposing and structuring the behavioural requirements of a feature based on modes of operation (e.g., Active, Inactive, Failed) in order to provide a generic behavioural interface for features.	+ phase:analysis what:information:systembehavior
✓ 225	A method for decomposing and structuring the behavioural requirements of a feature based on modes of operation (e.g., Active, Inactive, Failed) in order to provide a generic behavioural interface for features.	what:challenge:failure
✓ 226	A study based on an online-survey on the ability of software engineers to understand the impact of cross-references in legal regulation texts over their software systems.	what:documentation:naturallanguage
✓ 226	A study based on an online-survey on the ability of software engineers to understand the impact of cross-references in legal regulation texts over their software systems.	what:challenge:context_regression

PaperID	PaperSummary	Tag
227	An experience report on the use of domain analysis to characterize current practice of applying requirement-based test generation at one industry partner in order to enhance the reuse of test artifacts across different products.	what:phase:management
227	An experience report on the use of domain analysis to characterize current practice of applying requirement-based test generation at one industry partner in order to enhance the reuse of test artifacts across different products.	what:documentation:artifacts
227	An experience report on the use of domain analysis to characterize current practice of applying requirement-based test generation at one industry partner in order to enhance the reuse of test artifacts across different products.	what:challenge:process_standardization
228	A solution for generating trace links between textual requirements artifacts based on machine learning in order to improve automatic link recovery techniques.	what:phase:management
228	A solution for generating trace links between textual requirements artifacts based on machine learning in order to improve automatic link recovery techniques.	what:documentation:artifacts
228	A solution for generating trace links between textual requirements artifacts based on machine learning in order to improve automatic link recovery techniques.	what:documentation:naturallanguage
228	A solution for generating trace links between textual requirements artifacts based on machine learning in order to improve automatic link recovery techniques.	what:challenge:content_traceability
228	A solution for generating trace links between textual requirements artifacts based on machine learning in order to improve automatic link recovery techniques.	what:challenge:process_automation
228	A solution for generating trace links between textual requirements artifacts based on machine learning in order to improve automatic link recovery techniques.	what:challenge:process_improving
229	An experience report on factors that affect when having solution information in requirements is sensible and when it should be avoided in order to increase the understanding of practitioners.	what:challenge:content_understandability
230	An experience report on the integration of software architecting and decision-making methods in order to select a common service oriented architecture tool that could satisfy the needs of different business units.	what:information:architecture
230	An experience report on the integration of software architecting and decision-making methods in order to select a common service oriented architecture tool that could satisfy the needs of different business units.	what:challenge:process_deciding
231	A method for using defect taxonomies in order to improve requirements reviews and testing.	what:phase:evaluation
231	A method for using defect taxonomies in order to improve requirements reviews and testing.	what:challenge:process_improving

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✓ 232	A method for metric-based prediction of requirements that are likely to evolve in order to narrow the scope of change analysis to a small set of requirements.	what:phase:management
✗ 233	A solution for automatically mapping newly defined system requirements to corresponding system components in order to prevent requirements inconsistencies and help identify further necessary requirements.	+ context - completeness what:challenge:content_consistency
✓ 233	A solution for automatically mapping newly defined system requirements to corresponding system components in order to prevent requirements inconsistencies and help identify further necessary requirements.	what:challenge:process_automation
✓ 234	A method for mapping natural language policy requirements to a formal representation in order to reason about conflicting requirements within a single policy and among multiple policies in a data supply chain.	what:phase:analysis
✓ 234	A method for mapping natural language policy requirements to a formal representation in order to reason about conflicting requirements within a single policy and among multiple policies in a data supply chain.	what:documentation:naturallanguage
✓ 234	A method for mapping natural language policy requirements to a formal representation in order to reason about conflicting requirements within a single policy and among multiple policies in a data supply chain.	what:domain:sector_supplier
✓ 235	A discussion on the major challenges of reviewing requirements specifications in industry in order to align research activities to add more value for the software industry.	what:phase:specification
✓ 235	A discussion on the major challenges of reviewing requirements specifications in industry in order to align research activities to add more value for the software industry.	what:phase:evaluation
! 236	A literature review on visual requirements analytics, a field that aims at increased interactivity of requirements visualization in order to lead to actionable decisions	analysis what:phase:evaluation
✗ 236	A literature review on visual requirements analytics, a field that aims at increased interactivity of requirements visualization in order to lead to actionable decisions	+ challenge:process_visualization what:challenge:process_visualization
✗ 237	A multi-case study on the readability of policy documents for requirements engineers and assessing if automated text mining can indicate whether a policy document contains requirements	+ challenge:context - symbols what:documentation:naturallanguage
✓ 237	A multi-case study on the readability of policy documents for requirements engineers and assessing if automated text mining can indicate whether a policy document contains requirements	what:challenge:content_understandability
✓ 237	A multi-case study on the readability of policy documents for requirements engineers and assessing if automated text mining can indicate whether a policy document contains requirements	what:challenge:process_automation

PaperID	PaperSummary	Tag
✓ 238	An interview-based study with practitioners on the quality and suitability of a project's traceability strategy in order to identify common problems across traceability strategies and their possible causes.	what:challenge:problem
✓ 238	An interview-based study with practitioners on the quality and suitability of a project's traceability strategy in order to identify common problems across traceability strategies and their possible causes.	what:challenge:content_traceability
✓ 239	A data-driven study on requirements artifacts and processes in open source systems, where classical software engineering is not employed in order to identify risks of development failures and consequences for system quality.	what:documentation:artifacts
✓ 239	A data-driven study on requirements artifacts and processes in open source systems, where classical software engineering is not employed in order to identify risks of development failures and consequences for system quality.	what:challenge:failure
✓ 239	A data-driven study on requirements artifacts and processes in open source systems, where classical software engineering is not employed in order to identify risks of development failures and consequences for system quality.	what:challenge:context_uncertainty
✓ 240	A project-based study with students on a semi-automatic tool to capture implicit traceability links from requirements to code in order to evaluate the feasibility and practicability.	what:challenge:content_feasibility
✓ 240	A project-based study with students on a semi-automatic tool to capture implicit traceability links from requirements to code in order to evaluate the feasibility and practicability.	what:challenge:content_traceability
✓ 240	A project-based study with students on a semi-automatic tool to capture implicit traceability links from requirements to code in order to evaluate the feasibility and practicability.	what:challenge:process_automation
✓ 241	A case study for validating a tool that automatically checks the conformance of requirements to a given template in order to reduce ambiguity in natural language requirements	what:phase:evaluation
✓ 241	A case study for validating a tool that automatically checks the conformance of requirements to a given template in order to reduce ambiguity in natural language requirements	what:documentation:naturallanguage
✓ 241	A case study for validating a tool that automatically checks the conformance of requirements to a given template in order to reduce ambiguity in natural language requirements	what:challenge:content_unambiguousness
✓ 241	A case study for validating a tool that automatically checks the conformance of requirements to a given template in order to reduce ambiguity in natural language requirements	what:challenge:process_automation
✓ 241	A case study for validating a tool that automatically checks the conformance of requirements to a given template in order to reduce ambiguity in natural language requirements	what:challenge:process_standardization

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✓ 242	An experiment with students for investigating the relationship between time pressure and efficiency in test case development and requirement review	what:phase:evaluation
✓ 243	A method for self-adapting the architecture of a software system to the changing requirements and contexts at runtime in order to improve effectiveness and flexibility of adaptation	what:phase:management
✓ 243	A method for self-adapting the architecture of a software system to the changing requirements and contexts at runtime in order to improve effectiveness and flexibility of adaptation	what:challenge:process_improving
✓ 244	A method for extracting a model showing traces between software artifacts and analysing this model to identify areas of traceability failure	what:documentation:artifacts
✓ 244	A method for extracting a model showing traces between software artifacts and analysing this model to identify areas of traceability failure	what:challenge:failure
✓ 244	A method for extracting a model showing traces between software artifacts and analysing this model to identify areas of traceability failure	what:challenge:content_traceability
✓ 245	An online survey with practitioners and academics on how users and developers from various geographical locations perceive privacy and which concrete measures would mitigate their privacy concerns	what:information:quality_security
✓ 245	An online survey with practitioners and academics on how users and developers from various geographical locations perceive privacy and which concrete measures would mitigate their privacy concerns	what:challenge:people_subjectivity
✓ 246	A method for extracting and refining privacy requirements for mobile applications from raw data gathered through empirical studies involving end users	what:information:quality_security
✓ 246	A method for extracting and refining privacy requirements for mobile applications from raw data gathered through empirical studies involving end users	what:domain:sector_mobile
+ 247	A method for describing uncertainty about the impact of design alternatives on stakeholders' goals and calculate the consequences of such uncertainty	+ Information:goals what:challenge:context_uncertainty
+ 248	An experiment with students on the effects of present customer desires as requirements or as ideas on design creativity	+ challenge:people_subjectivity what:challenge:people_skills
✓ 249	A method for deriving structured requirements models in the form of process diagrams and ontologies from textual use case requirements	what:documentation:diagrams
✓ 249	A method for deriving structured requirements models in the form of process diagrams and ontologies from textual use case requirements	what:documentation:usecases

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✓ 249	A method for deriving structured requirements models in the form of process diagrams and ontologies from textual use case requirements	what:documentation:naturallanguage
✓ 250	A case study on the use of issue tickets generated by stakeholders' requests to track requirements evolution for a large-scale system	what:phase:management
✓ 251	A framework for allowing requirements engineers and non-technical stakeholders to perform model checking during elicitation, analysis and verification of system requirements	what:phase:elicitation
+ 251	A framework for allowing requirements engineers and non-technical stakeholders to perform model checking during elicitation, analysis and verification of system requirements	+ phase:analysis what:phase:evaluation
✓ 252	An experience report for presenting and comparing examples of various approaches to teaching RE in order to inspire instructors to seek additional learning approaches.	what:challenge:people_skills
! 253	A online survey with researchers and academics for identifying benefits, domain areas, and challenges for social adaptation.	challenge:people_survey what:phase:management
✓ 254	A method for systematically managing obstacles and refining compliance goals in order to support the elaboration of compliance requirements.	what:challenge:context_regulation
✓ 255	A method for detecting inconsistencies in temporal constraints in order to verify the consistency of temporal requirements	what:phase:evaluation
✓ 255	A method for detecting inconsistencies in temporal constraints in order to verify the consistency of temporal requirements	what:challenge:content_consistency
✓ 256	A model for capturing and representing traceability in order to provide safety evidence on safety-critical systems	what:information:quality_safety
✓ 256	A model for capturing and representing traceability in order to provide safety evidence on safety-critical systems	what:challenge:content_traceability
✓ 256	A model for capturing and representing traceability in order to provide safety evidence on safety-critical systems	what:domain:systemclass_safetycritical
+ 257	A method for comparing the results of multiple priority-based decision heuristics in order to identify the best heuristics for deciding which requirements should be refined/elaborated first.	challenge:process_deciding what:challenge:process_prioritization
✓ 258	A method for weaving the feedback from the runtime system into requirements documents in order to keep development time and runtime requirement models consistent	what:phase:management

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258	A method for weaving the feedback from the runtime system into requirements documents in order to keep development time and runtime requirement models consistent	content_consistency what:challenge:people_communication
259	An experiment with students for exploring the effect of collaborative interactions between clients and analysts in the process of requirements validation.	what:phase:evaluation
259	An experiment with students for exploring the effect of collaborative interactions between clients and analysts in the process of requirements validation.	what:challenge:people_collaboration
260	An experience report for identifying understandability issues of formal specifications and providing writing style guidelines in order to make formal specifications understandable.	+ challenge:process_finalization + what:challenge:content_understandability
261	A method for acquiring, modeling and analyzing regulatory requirements in order to conform to regulations on safety-critical system.	what:challenge:context_regulation
261	A method for acquiring, modeling and analyzing regulatory requirements in order to conform to regulations on safety-critical system.	what:domain:systemclass_safetycritical
262	An interview-based study for understanding current practices of user-developer communication in IT projects in order to identify issues and enhance user-developer communication.	what:challenge:people_communication
263	An online survey with practitioners for identifying causal relationships between requirements elicitation issues and project performance in order to strengthen the execution of RE activities and reduce risk on project performance	what:phase:elicitation
263	An online survey with practitioners for identifying causal relationships between requirements elicitation issues and project performance in order to strengthen the execution of RE activities and reduce risk on project performance	what:information:quality_performance
263	An online survey with practitioners for identifying causal relationships between requirements elicitation issues and project performance in order to strengthen the execution of RE activities and reduce risk on project performance	what:challenge:context_uncertainty
264	An interview-based study with practitioners for understanding how the game industry applies RE in practice	what:domain:sector_media
265	A method for identifying unwanted interaction between requirements in order to address the diverse interests of different stakeholders in a coherent way	+ challenge:people_subjectivity + what:phase:analysis
266	A case study for comparing different approaches to categorization of natural language requirements in order to understand the best way to achieve effective communication and prioritization	what:documentation:naturallanguage

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✓ 266	A case study for comparing different approaches to categorization of natural language requirements in order to understand the best way to achieve effective communication and prioritization	what:challenge:people_communication
✓ 266	A case study for comparing different approaches to categorization of natural language requirements in order to understand the best way to achieve effective communication and prioritization	what:challenge:process_prioritization
! 267	A method for transforming requirements for service-based systems to QoS-aware choreography specification in order to deliver more adaptive software systems	specification what:phase:management
✓ 268	A method for measuring and improving the completeness of natural language requirements with respect to the input documents in order to include all the relevant information from these documents	what:documentation:naturallanguage
✓ 268	A method for measuring and improving the completeness of natural language requirements with respect to the input documents in order to include all the relevant information from these documents	what:challenge:content_completeness
✓ 268	A method for measuring and improving the completeness of natural language requirements with respect to the input documents in order to include all the relevant information from these documents	what:challenge:process_improving
✓ 269	A literature study for identifying and categorizing research in self-adaptive systems requirements modeling and analysis	what:domain:systemclass_adaptive
✓ 269	A literature study for identifying and categorizing research in self-adaptive systems requirements modeling and analysis	what:general:research
✓ 270	A method for resolving exceptional conditions that may obstruct the behavioral goals of the target system in order to progress towards a more complete model of stakeholder goals.	what:information:goals
✓ 271	An experience report on the adoption of a persona-centric requirements framework in order to show its ability to quantify user experience.	what:general:framework
✓ 272	A case study on collaboration networks between small and medium-sized software companies in order to investigate the impact of software product management and requirements engineering practices.	what:challenge:people_collaboration
* 273	A case study on a protocol for deriving functional safety requirements from Fault Tree Analysis results in order to increase the safety of critical systems.	+ down : software safety analysis what:information:quality_safety
✓ 274	A case study on requirements engineering in open commercial development models describing the flow of product requirements information through the ecosystem	what:information:functional
✓ 274	A case study on requirements engineering in open commercial development models describing the flow of product requirements information through the ecosystem	what:documentation:featuremodels

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✓ 275	A method for specifying and validating feature-oriented requirement models in order to avoid behavioral inconsistencies between features.	what:phase:specification
✓ 275	A method for specifying and validating feature-oriented requirement models in order to avoid behavioral inconsistencies between features.	what:phase:evaluation
✗ 275	A method for specifying and validating feature-oriented requirement models in order to avoid behavioral inconsistencies between features.	+ documentation: formality what:challenge:content_consistency
✓ 276	A method for finding suitable trade-offs and priorities when complying with multiple regulations while at the same time trying to meet business objectives.	what:challenge:process_prioritization
✓ 276	A method for finding suitable trade-offs and priorities when complying with multiple regulations while at the same time trying to meet business objectives.	what:challenge:context_regulation
⊕ 277	A solution for automatically filtering, aggregating, and analyzing user reviews to systematically analyze user opinions about single features	challenge: people-subjectivity what:challenge:process_automation
✓ 278	A case study on the transformation of a set of natural language functional requirements to a semi-formal pattern notation in order to investigate the applicability of this process in the automotive domain.	what:information:functional
✓ 278	A case study on the transformation of a set of natural language functional requirements to a semi-formal pattern notation in order to investigate the applicability of this process in the automotive domain.	what:documentation:naturallanguage
✓ 278	A case study on the transformation of a set of natural language functional requirements to a semi-formal pattern notation in order to investigate the applicability of this process in the automotive domain.	what:domain:sector_automotive
⊕ 279	A method for representing requirements and conflicts as a jigsaw puzzle in stakeholder meetings in order to improve commitment of stakeholders in co-authoring of requirements and co-responsibility in conflict handling	challenge: people - communication what:challenge:process_improving
✓ 280	A solution for automatically detecting cross references in legal documents and linking them to the target provisions in order to improve the elaboration of compliance requirements.	what:challenge:content_traceability
✓ 280	A solution for automatically detecting cross references in legal documents and linking them to the target provisions in order to improve the elaboration of compliance requirements.	what:challenge:process_automation
✓ 280	A solution for automatically detecting cross references in legal documents and linking them to the target provisions in order to improve the elaboration of compliance requirements.	what:challenge:process_improving
✓ 280	A solution for automatically detecting cross references in legal documents and linking them to the target provisions in order to improve the elaboration of compliance requirements.	what:challenge:context_regulation

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✓ 281	A method for requirements discovery for health care systems in order to increase the acceptance by the target user community.	what:phase:elicitation
✓ 281	A method for requirements discovery for health care systems in order to increase the acceptance by the target user community.	what:domain:sector_health
✓ 282	A method for selecting the most appropriate security requirements pattern in order to decrease the time spent in the requirements elicitation process and improve the quality of the product.	what:phase:elicitation
✓ 282	A method for selecting the most appropriate security requirements pattern in order to decrease the time spent in the requirements elicitation process and improve the quality of the product.	what:information:quality_security
✗ 282	<del>A method for selecting the most appropriate security requirements pattern in order to decrease the time spent in the requirements elicitation process and improve the quality of the product.</del>	<del>what:challenge:process_improving</del>
✓ 283	An interview-based study on how game developers reason about gameplay requirements and handle them in their projects in order to improve the elicitation and validation of gameplay requirements.	what:phase:elicitation
✓ 283	An interview-based study on how game developers reason about gameplay requirements and handle them in their projects in order to improve the elicitation and validation of gameplay requirements.	what:phase:evaluation
✓ 283	An interview-based study on how game developers reason about gameplay requirements and handle them in their projects in order to improve the elicitation and validation of gameplay requirements.	what:challenge:process_improving
✓ 283	An interview-based study on how game developers reason about gameplay requirements and handle them in their projects in order to improve the elicitation and validation of gameplay requirements.	what:domain:sector_media
✓ 284	A method for requirements elicitation based on interactions of autonomous parties and the participants' social relationships in order to improve the requirements engineering for sociotechnical systems	what:phase:elicitation
✗ 284	<del>A method for requirements elicitation based on interactions of autonomous parties and the participants' social relationships in order to improve the requirements engineering for sociotechnical systems</del>	<del>challenge:people_collaboration</del> what:challenge:process_improving
✓ 285	An experience report on the use of a method for discovering customer requirements to configure an off-the-shelf software package.	what:phase:elicitation
✓ 286	A solution for automatically identifying security-relevant sentences in natural language requirements and translating them into functional security requirements in order to strengthen the overall security of the system.	what:information:quality_security

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✓ 286	A solution for automatically identifying security-relevant sentences in natural language requirements and translating them into functional security requirements in order to strengthen the overall security of the system.	what:documentation:naturallanguage
+ 286	A solution for automatically identifying security-relevant sentences in natural language requirements and translating them into functional security requirements in order to strengthen the overall security of the system.	+ information:functional what:challenge:process_automation
✓ 287	A method for estimating the size of an application previous to its requirements specification by using the application language itself, captured by a lexicon in order to get estimations earlier.	what:phase:specification
+ 288	A solution for extracting familiar ideas from the documented requirements and stakeholders' comments and automatically obtaining unfamiliar idea combinations in order to generate innovative requirements.	+ phase:elicitation what:challenge:process_automation
✓ 289	An interview-based study on how practitioners understand, capture, and use business rules in order to describe constraints in a domain.	what:information:rules
✓ 290	A case study on the requirement elicitation for a recommender system that supports therapists in selecting motion-based video games to treat patients with brain injuries.	what:phase:elicitation
✓ 290	A case study on the requirement elicitation for a recommender system that supports therapists in selecting motion-based video games to treat patients with brain injuries.	what:domain:sector_media
✓ 290	A case study on the requirement elicitation for a recommender system that supports therapists in selecting motion-based video games to treat patients with brain injuries.	what:domain:sector_health
✓ 291	A method for eliciting quality-impact relationships and using them to specify quality requirements in order to achieve good-enough quality.	what:phase:elicitation
✓ 291	A method for eliciting quality-impact relationships and using them to specify quality requirements in order to achieve good-enough quality.	what:phase:specification
✓ 291	A method for eliciting quality-impact relationships and using them to specify quality requirements in order to achieve good-enough quality.	what:information:quality_all
✓ 292	A method for visualizing how IT impacts are linked to business value, and how much and when value is realised in order to evaluate IT business value on a company level.	what:challenge:process_visualization
+ 293	An experience report on a system provider/sub-contractor collaboration centered around design-level requirements in order to report lessons learned regarding requirements representations, requirements tools, and cooperation process.	+ phase:Specification what:challenge:people_collaboration

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294	A solution for combining adaptation decisions based on goals with past experiences of successful adaptations in order to improve adaptation effectiveness and overall system quality.	+ <i>phase: goals</i> what:phase:management
294	A solution for combining adaptation decisions based on goals with past experiences of successful adaptations in order to improve adaptation effectiveness and overall system quality.	what:challenge:process_improving
295	A method for analyzing goal satisfaction resulting from resolved uncertainty in order to support early requirements decision-making in the presence of uncertainty.	+ <i>phase: goals</i> what:challenge:process_deciding
295	A method for analyzing goal satisfaction resulting from resolved uncertainty in order to support early requirements decision-making in the presence of uncertainty.	+ <i>challenge: process_deciding</i> what:challenge:context_uncertainty
296	A solution for exploiting the information contained in previously defined trace links in order to facilitate the creation and ongoing maintenance of trace links as the requirements evolve.	what:phase:management
296	A solution for exploiting the information contained in previously defined trace links in order to facilitate the creation and ongoing maintenance of trace links as the requirements evolve.	what:challenge:content_traceability
297	A method for assessing the quality of RE processes and artifacts in a company in order to identify issues and potential improvements	what:documentation:artifacts
297	A method for assessing the quality of RE processes and artifacts in a company in order to identify issues and potential improvements	what:challenge:process_improving
298	An experience report on using goal modelling to incorporate sustainability into the procurement system of a large multinational energy company in order to evaluate the suitability of the technique for such a purpose	+ <i>phase: goals</i> what:information:quality_sustainability
298	An experience report on using goal modelling to incorporate sustainability into the procurement system of a large multinational energy company in order to evaluate the suitability of the technique for such a purpose	what:documentation:goalmodels
298	An experience report on using goal modelling to incorporate sustainability into the procurement system of a large multinational energy company in order to evaluate the suitability of the technique for such a purpose	what:domain:sector_energy
299	A method for detecting vulnerabilities in requirements of long-living software systems based on reported security incidents in order to keep long-living systems "up-to-date" with respect to security.	+ <i>phase: management</i> what:information:quality_security
300	An experience report on applying a combination of RE methods to elicit performance requirements in an existing system from the process automation domain in order to improve performance testing.	what:phase:elicitation
300	An experience report on applying a combination of RE methods to elicit performance requirements in an existing system from the process automation domain in order to improve performance testing.	what:phase:evaluation

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✓ 300	An experience report on applying a combination of RE methods to elicit performance requirements in an existing system from the process automation domain in order to improve performance testing.	what:information:quality_performance
✓ 300	An experience report on applying a combination of RE methods to elicit performance requirements in an existing system from the process automation domain in order to improve performance testing.	what:challenge:process_automation
✓ 300	An experience report on applying a combination of RE methods to elicit performance requirements in an existing system from the process automation domain in order to improve performance testing.	what:challenge:process_improving
+ 301	A study based on experiments with crowd workers on extracting requirements from natural language text sources by untrained workers in order to evaluate the cost and quality of crowdsourcing RE tasks.	+ challenge: people-skills what:documentation:naturallanguage
- 302	A data-driven study on the use of a requirements inspection methodology in more than 140 projects in order to discover correlations between requirements specification quality and project costs or product quality.	what:phase:elicitation
+ 302	A data-driven study on the use of a requirements inspection methodology in more than 140 projects in order to discover correlations between requirements specification quality and project costs or product quality.	+ phase:evaluation what:phase:specification
✓ 303	A method for identifying ambiguity in legal texts in order to prevent software engineers from implementing software that does not comply with the regulations.	what:documentation:naturallanguage
✓ 303	A method for identifying ambiguity in legal texts in order to prevent software engineers from implementing software that does not comply with the regulations.	what:challenge:content_unambiguousness
✓ 303	A method for identifying ambiguity in legal texts in order to prevent software engineers from implementing software that does not comply with the regulations.	what:challenge:context_regulation
✓ 304	A modeling language for defining non-functional requirements (NFRs) based on the fulfillment of other requirements in order to specify unambiguous, de-idealized, and measurable NFRs.	what:phase:specification
✓ 304	A modeling language for defining non-functional requirements (NFRs) based on the fulfillment of other requirements in order to specify unambiguous, de-idealized, and measurable NFRs.	what:information:quality_all
✓ 304	A modeling language for defining non-functional requirements (NFRs) based on the fulfillment of other requirements in order to specify unambiguous, de-idealized, and measurable NFRs.	what:challenge:content_unambiguousness
✓ 305	A method for capturing the uncertainty of feature evolution in feature models in order to decide which features to implement next.	what:phase:management
✓ 305	A method for capturing the uncertainty of feature evolution in feature models in order to decide which features to implement next.	what:documentation:featuremodels

PaperID	PaperSummary	Tag
305	A method for capturing the uncertainty of feature evolution in feature models in order to decide which features to implement next.	+ challenge:process\_problem what:challenge:process_deciding
305	A method for capturing the uncertainty of feature evolution in feature models in order to decide which features to implement next.	what:challenge:context_uncertainty
306	A method for locating where software should be refactored and which refactorings should be applied in order to fulfil unsatisfied stakeholder goals.	+ phase:management what:information:goals
306	A method for locating where software should be refactored and which refactorings should be applied in order to fulfil unsatisfied stakeholder goals.	what:challenge:failure
307	A solution for writing or speaking trace queries in natural language in order to lower the barrier for utilizing trace data.	what:documentation:naturallanguage
307	A solution for writing or speaking trace queries in natural language in order to lower the barrier for utilizing trace data.	what:challenge:content_traceability
308	An experience report on representing and reusing product knowledge for product customization in order to identify requirements for product variants.	what:phase:management
309	A solution for automatic extraction and modeling of quality concerns from textual documents such as requirements, feature requests, and online forums in order to elicit quality requirements	what:phase:elicitation
309	A solution for automatic extraction and modeling of quality concerns from textual documents such as requirements, feature requests, and online forums in order to elicit quality requirements	what:information:quality_all
309	A solution for automatic extraction and modeling of quality concerns from textual documents such as requirements, feature requests, and online forums in order to elicit quality requirements	what:documentation:naturallanguage
309	A solution for automatic extraction and modeling of quality concerns from textual documents such as requirements, feature requests, and online forums in order to elicit quality requirements	what:challenge:process_automation
310	A case study on the use of a tool for specifying requirements based on two types of knowledge-reuse artifacts in order to evaluate the effects on requirements ambiguity and inconsistency.	what:phase:specification
310	A case study on the use of a tool for specifying requirements based on two types of knowledge-reuse artifacts in order to evaluate the effects on requirements ambiguity and inconsistency.	what:phase:management
310	A case study on the use of a tool for specifying requirements based on two types of knowledge-reuse artifacts in order to evaluate the effects on requirements ambiguity and inconsistency.	what:documentation:artifacts

PaperID	PaperSummary	Tag
✓ 310	A case study on the use of a tool for specifying requirements based on two types of knowledge-reuse artifacts in order to evaluate the effects on requirements ambiguity and inconsistency.	what:challenge:content_unambiguousness
✓ 310	A case study on the use of a tool for specifying requirements based on two types of knowledge-reuse artifacts in order to evaluate the effects on requirements ambiguity and inconsistency.	what:challenge:content_consistency
✓ 310	A case study on the use of a tool for specifying requirements based on two types of knowledge-reuse artifacts in order to evaluate the effects on requirements ambiguity and inconsistency.	what:challenge:process_standardization
✓ 311	An experience report on eliciting user requirements with a non-standard user population: visually impaired users.	what:phase:elicitation
! 311	An experience report on eliciting user requirements with a non-standard user population: visually impaired users.	what:challenge:process_visualization <i>people-skills</i>
✓ 312	A solution for identifying violations of security requirements that may be caused by topological changes of the environment and selecting security controls that prevent such violations.	what:phase:management
✓ 312	A solution for identifying violations of security requirements that may be caused by topological changes of the environment and selecting security controls that prevent such violations.	what:information:quality_security
+ 313	An online survey on the ability of laypersons, technical professionals, and legal experts to judge the similarity between legal coverage conditions and requirements.	+ challenge:people-skills what:challenge:context_regulation
- 314	An experiment with students for determining whether practicing mindfulness for four weeks enhances conceptual modelling skills in order to improve professional performance of software engineers	what:information:quality_performance
✓ 314	An experiment with students for determining whether practicing mindfulness for four weeks enhances conceptual modelling skills in order to improve professional performance of software engineers	what:challenge:people_skills
✓ 314	An experiment with students for determining whether practicing mindfulness for four weeks enhances conceptual modelling skills in order to improve professional performance of software engineers	what:challenge:process_improving
✓ 315	An interview-based study with practitioners for understanding how software architects working on large, distributed projects are involved in engineering quality requirements.	what:information:quality_all
✓ 315	An interview-based study with practitioners for understanding how software architects working on large, distributed projects are involved in engineering quality requirements.	what:domain:organization_distributed
✓ 316	An online survey with practitioners and academics for validating the acceptance and impact of an approach based on artifacts and scenarios	what:phase:evaluation

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316	An online survey with practitioners and academics for validating the acceptance and impact of an approach based on artifacts and scenarios	what:information:scenarios
316	An online survey with practitioners and academics for validating the acceptance and impact of an approach based on artifacts and scenarios	what:documentation:artifacts
317	A case study for validating a technique for clustering keywords extracted from natural-language requirements in order to support the automatic construction of project glossaries	what:phase:evaluation
317	A case study for validating a technique for clustering keywords extracted from natural-language requirements in order to support the automatic construction of project glossaries	+ challenge:process_naturallanguage what:challenge:process_automation
318	A case study for including quality requirements in a software release planning technique in order to demonstrate the benefits in terms of release time and product scope	+ phase:management what:information:quality_all
319	An experience report on the use of a lean methodology to identify security requirements in order to integrate them in the software production cycle	what:information:quality_security
319	An experience report on the use of a lean methodology to identify security requirements in order to integrate them in the software production cycle	what:domain:organization_lean
320	An experiment with students for assessing a technique that automatically suggests appropriate security requirements templates implied by existing functional requirements	what:information:functional
320	An experiment with students for assessing a technique that automatically suggests appropriate security requirements templates implied by existing functional requirements	what:information:quality_security
320	An experiment with students for assessing a technique that automatically suggests appropriate security requirements templates implied by existing functional requirements	what:challenge:process_automation
320	An experiment with students for assessing a technique that automatically suggests appropriate security requirements templates implied by existing functional requirements	what:challenge:process_standardization
321	A method for the efficient model-based verification of product line requirements in order to detect and correct requirement errors early.	what:phase:evaluation
321	A method for the efficient model-based verification of product line requirements in order to detect and correct requirement errors early.	what:information:functional
321	A method for the efficient model-based verification of product line requirements in order to detect and correct requirement errors early.	what:documentation:featuremodels

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✓ 321	A method for the efficient model-based verification of product line requirements in order to detect and correct requirement errors early.	what:challenge:content_all
✓ 322	A method for automatically extracting goal and use case models from natural language requirements documents in order to support further analysis of the extracted models.	what:documentation:usecases
✓ 322	A method for automatically extracting goal and use case models from natural language requirements documents in order to support further analysis of the extracted models.	what:documentation:naturallanguage
✓ 322	A method for automatically extracting goal and use case models from natural language requirements documents in order to support further analysis of the extracted models.	what:challenge:process_automation
✓ 323	A case study for identifying metrics that evaluate feature models in order to quantify the success of feature models in practice.	what:documentation:featuremodels
✓ 324	A method for transforming informal requirements into formal ones in order to reduce requirements defects.	what:challenge:content_all
✓ 324	A method for transforming informal requirements into formal ones in order to reduce requirements defects.	what:challenge:process_formalization
✓ 325	An industrial study using interviews and surveys for investigating the design of Digital Addiction labels in order to meet ethical and professional requirements.	what:challenge:context_regulation
✓ 326	<del>A workshop-based industrial study on the usability of user stories in order to embed human values in the requirements engineering process.</del>	<del>what:information:quality_usability</del>
✓ 326	A workshop-based industrial study on the usability of user stories in order to embed human values in the requirements engineering process.	what:documentation:userstories
! 327	A set of metrics for assessing and quantifying requirement relations in agile development in order to estimate implementation risk of requirements.	<i>Challenge: context-traceability!</i> what:phase:analysis
✓ 327	A set of metrics for assessing and quantifying requirement relations in agile development in order to estimate implementation risk of requirements.	what:challenge:context_uncertainty
✓ 327	A set of metrics for assessing and quantifying requirement relations in agile development in order to estimate implementation risk of requirements.	what:domain:organization_agile
+ 328	A case study on the customer challenges and demands on requirements engineering processes in order to bring the customer perspective into outsourced projects.	<i>+ phase: elicitation +</i> what:domain:organization_outsourced
✓ 329	An industrial study using experiments and focus groups for understanding whether the use of catalogs of threats and security controls affects the actual and perceived effectiveness of a security risk assessment method.	what:information:quality_security

PaperID	PaperSummary	Tag
329	An industrial study using experiments and focus groups for understanding whether the use of catalogs of threats and security controls affects the actual and perceived effectiveness of a security risk assessment method.	what:challenge:people_subjectivity
329	An industrial study using experiments and focus groups for understanding whether the use of catalogs of threats and security controls affects the actual and perceived effectiveness of a security risk assessment method.	what:challenge:context_uncertainty
330	A literature study for identifying and categorizing prioritization criteria in order to customize prioritization criteria to a particular project situation.	what:challenge:process_prioritization
332	A method for analyzing and enforcing security mechanisms on system requirements in order to precisely capture the impact of security in the system.	what:information:quality_security
333	A method for integrating several types of contextual information into a diagrammatic representation in order to improve the validation of functional safety requirements.	what:phase:evaluation
333	A method for integrating several types of contextual information into a diagrammatic representation in order to improve the validation of functional safety requirements.	what:information:quality_safety
333	A method for integrating several types of contextual information into a diagrammatic representation in order to improve the validation of functional safety requirements.	what:documentation:diagrams
333	A method for integrating several types of contextual information into a diagrammatic representation in order to improve the validation of functional safety requirements.	what:challenge:process_improving
334	<del>An experiment with students for assessing an existing availability risk assessment method in order to improve its reliability.</del>	<del>what:information:quality_reliability</del>
334	An experiment with students for assessing an existing availability risk assessment method in order to improve its reliability.	what:challenge:process_improving
334	An experiment with students for assessing an existing availability risk assessment method in order to improve its reliability.	<i>please : analysis</i> what:challenge:context_uncertainty
335	A method for the mutual adjustment of conflicting requirements between business and IT perspectives in order to get seamless alignment between these two perspectives.	what:phase:analysis
337	A method for semi-automatically translating natural language requirements into a formal language in order to validate natural language requirements	what:phase:evaluation

PaperID	PaperSummary	Tag
✓ 337	A method for semi-automatically translating natural language requirements into a formal language in order to validate natural language requirements	what:documentation:naturallanguage
✓ 337	A method for semi-automatically translating natural language requirements into a formal language in order to validate natural language requirements	what:challenge:process_automation
✗ 338	A method for consolidating behavioral requirements and functional design in order to avoid behavioral requirements of the system become outdated.	what:information:systembehavior
✓ 339	An interview-based study with practitioners for understanding how practitioners in various roles use requirements artifacts in order to support better requirements communication.	what:documentation:artifacts
✓ 339	An interview-based study with practitioners for understanding how practitioners in various roles use requirements artifacts in order to support better requirements communication.	what:challenge:people_communication
✓ 340	A method for integrating user feedback involving geographically dispersed stakeholders in order to facilitate forum-based requirements elicitation.	what:phase:elicitation
✓ 340	A method for integrating user feedback involving geographically dispersed stakeholders in order to facilitate forum-based requirements elicitation.	what:challenge:people_communication
✓ 341	An experiment with practitioners and students on generating creative ideas and requirements in creativity workshops in order to evaluate the effectiveness of different creativity techniques.	what:challenge:people_skills
+ 342	A method for managing uncertainty about estimates of likelihoods of obstacles to goal satisfaction in order to facilitate risk-based methods for RE.	+ information : goals what:challenge:context_uncertainty
+ 343	A method for analyzing feature life cycles in app stores in order to help app developers identify trends and find undiscovered requirements.	+ challenge : context_competitors what:phase:elicitation
✓ 344	An experience report on practical realities an organization faces in attempting to reuse requirements, including a requirements reuse process, encountered problems, obtained results, and plans for future improvement of the process.	what:phase:management
✓ 344	An experience report on practical realities an organization faces in attempting to reuse requirements, including a requirements reuse process, encountered problems, obtained results, and plans for future improvement of the process.	what:challenge:problem
✓ 344	An experience report on practical realities an organization faces in attempting to reuse requirements, including a requirements reuse process, encountered problems, obtained results, and plans for future improvement of the process.	what:challenge:process_standardization

PaperID	PaperSummary	Tag
✓ 344	An experience report on practical realities an organization faces in attempting to reuse requirements, including a requirements reuse process, encountered problems, obtained results, and plans for future improvement of the process.	what:challenge:process_improving
✓ 345	A solution for checking 14 quality criteria in user stories that user story writers should strive to conform to in order to turn raw user stories into higher-quality ones.	what:documentation:userstories
✓ 346	A method for analyzing privacy properties in service-oriented architectures based on a data flow model in order to reduce privacy and security risks when integrating third-party services.	what:information:quality_security
✓ 346	A method for analyzing privacy properties in service-oriented architectures based on a data flow model in order to reduce privacy and security risks when integrating third-party services.	what:challenge:context_uncertainty
✗ 347	A method for semi-automatically exposing whether the unanticipated behavior of the operational context can result in undesired system states.	+ challenge:context-uncertainty what:challenge:process_automation
✓ 348	A study based on an online-survey on how changes to security requirements affect analysts' risk perceptions in order to understand how the analysts perceive risks in composed systems.	what:phase:management
✓ 348	A study based on an online-survey on how changes to security requirements affect analysts' risk perceptions in order to understand how the analysts perceive risks in composed systems.	what:information:quality_security
✓ 348	A study based on an online-survey on how changes to security requirements affect analysts' risk perceptions in order to understand how the analysts perceive risks in composed systems.	what:challenge:people_subjectivity
✓ 348	A study based on an online-survey on how changes to security requirements affect analysts' risk perceptions in order to understand how the analysts perceive risks in composed systems.	what:challenge:context_uncertainty
✓ 349	A literature study for identifying dependent variables used in experimental requirements engineering research.	what:general:research
✓ 350	A model for monitoring the compliance of a System of Systems (SoS) with its requirements at runtime.	what:phase:management
✓ 350	A model for monitoring the compliance of a System of Systems (SoS) with its requirements at runtime.	what:challenge:context_regulation
✓ 352	A document-driven study for understanding and classifying ambiguity occurring in customer-analyst interviews in order to improve the use of interviews during requirements elicitation.	what:phase:elicitation
✓ 352	A document-driven study for understanding and classifying ambiguity occurring in customer-analyst interviews in order to improve the use of interviews during requirements elicitation.	what:challenge:content_unambiguousness
✗ 352	A document-driven study for understanding and classifying ambiguity occurring in customer-analyst interviews in order to improve the use of interviews during requirements elicitation.	+ challenge:people-communication what:challenge:process_improving

PaperID	PaperSummary	Tag
353	A method for acquiring the knowledge of various stakeholders along multiple dimensions of problem space and design space in order to elicit the users' requirements in self-adaptive systems.	what:phase:elicitation
353	A method for acquiring the knowledge of various stakeholders along multiple dimensions of problem space and design space in order to elicit the users' requirements in self-adaptive systems.	what:challenge:problem
353	A method for acquiring the knowledge of various stakeholders along multiple dimensions of problem space and design space in order to elicit the users' requirements in self-adaptive systems.	what:domain:systemclass_adaptive
354	An interview-based study for identifying categories of probing questions in order to prompt business analysts to elicit architecturally significant functional requirements.	what:phase:elicitation
354	An interview-based study for identifying categories of probing questions in order to prompt business analysts to elicit architecturally significant functional requirements.	what:information:architecture
354	An interview-based study for identifying categories of probing questions in order to prompt business analysts to elicit architecturally significant functional requirements.	what:information:functional
355	A solution for specifying preferences over goals through natural language statements in order to the comparison of alternatives during the specification process.	+ <i>informal : goals</i> what:phase:specification
355	A solution for specifying preferences over goals through natural language statements in order to the comparison of alternatives during the specification process.	what:documentation:naturallanguage
356	An interview-based study with practitioners on the flow of requirements in the process of automotive software development and strategies to refine requirements iteratively throughout their life-cycle.	what:domain:sector_automotive
357	A method for inferring the test status of requirements based on the test status of structurally related requirements in order to better assess the quality of the system.	what:phase:evaluation
358	A solution for determining the quality of trace links and detecting unacceptable deviations in order to support the systematic assessment of a project's traceability.	what:challenge:content_traceability
359	An experience report on challenges in creating testable experience requirement for entertainment applications (e.g., games).	what:domain:sector_media
360	A case study for investigating which changes requirements engineers perform on use cases over time and which of them are more problematic in difficulty or risk in order to understand the maintainability of use cases.	what:phase:management

PaperID	PaperSummary	Tag
✓ 360	A case study for investigating which changes requirements engineers perform on use cases over time and which of them are more problematic in difficulty or risk in order to understand the maintainability of use cases.	what:documentation:usecases
✗ 360	A case study for investigating which changes requirements engineers perform on use cases over time and which of them are more problematic in difficulty or risk in order to understand the maintainability of use cases.	what:challenge:problem
✓ 360	A case study for investigating which changes requirements engineers perform on use cases over time and which of them are more problematic in difficulty or risk in order to understand the maintainability of use cases.	what:challenge:context_uncertainty
+ 361	A solution for calculating how likely a natural-language requirement statement is to be impacted by a change in order to automatically analyze how a change to one requirement impacts other ones.	+ document:naturallanguage what:phase:management
✓ 361	A solution for calculating how likely a natural-language requirement statement is to be impacted by a change in order to automatically analyze how a change to one requirement impacts other ones.	what:challenge:process_automation
✗ 362	A method for eliciting a model of all operational states of a system in order to ease the specification of features based on these operational states.	what:phase:elicitation
✗ 363	A method for capturing inconsistencies between stakeholders' goals and beliefs and resolving goal conflicts.	what:challenge:content_consistency
✗ 363	A method for capturing inconsistencies between stakeholders' goals and beliefs and resolving goal conflicts.	what:challenge:people_subjectivity + if fresh goals
✓ 364	A case study on prototyping in an agile RE project in order to examine the potential to solve the challenges of agile RE, especially the lack of documentation, the motivation for RE work, and poor quality communication.	what:documentation:prototypes
✓ 364	A case study on prototyping in an agile RE project in order to examine the potential to solve the challenges of agile RE, especially the lack of documentation, the motivation for RE work, and poor quality communication.	what:challenge:people_communication
✓ 364	A case study on prototyping in an agile RE project in order to examine the potential to solve the challenges of agile RE, especially the lack of documentation, the motivation for RE work, and poor quality communication.	what:domain:organization_agile
✓ 365	A document-driven study in the industry on the use of passive voice and weak words in requirements showing that passive voice is almost never problematic.	what:documentation:naturallanguage
✗ 365	A document-driven study in the industry on the use of passive voice and weak words in requirements showing that passive voice is almost never problematic.	what:challenge:problem

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366	An experiment with students and practitioners on the use of a mobile tool for model-based sketching of free-form diagrams allowing for the definition and reuse of diagramming notations on the fly in order to assess the usefulness of the tool.	what:phase:management
366	An experiment with students and practitioners on the use of a mobile tool for model-based sketching of free-form diagrams allowing for the definition and reuse of diagramming notations on the fly in order to assess the usefulness of the tool.	what:documentation:diagrams
366	An experiment with students and practitioners on the use of a mobile tool for model-based sketching of free-form diagrams allowing for the definition and reuse of diagramming notations on the fly in order to assess the usefulness of the tool.	+ challenge:process-standardization what:challenge:process_standardization
366	An experiment with students and practitioners on the use of a mobile tool for model-based sketching of free-form diagrams allowing for the definition and reuse of diagramming notations on the fly in order to assess the usefulness of the tool.	what:domain:sector_mobile
367	A solution for automatically extracting and tracking non-functional requirements from the textual content of requirements specifications.	what:phase:specification
367	A solution for automatically extracting and tracking non-functional requirements from the textual content of requirements specifications.	what:information:quality_all
367	A solution for automatically extracting and tracking non-functional requirements from the textual content of requirements specifications.	what:documentation:naturallanguage
367	A solution for automatically extracting and tracking non-functional requirements from the textual content of requirements specifications.	what:challenge:process_automation
368	An experience report on a failed project in which the customer eventually decided to take over the development themselves in order to investigate requirements-related root causes for such decision.	what:challenge:failure
369	A set of two empirical studies (online survey to practitioners and experiment with students) on the creation and use of software requirement specifications in companies and the impact of their quality in subsequent development activities.	what:phase:specification
370	A case study on the effectiveness of a particular method to visually represent requirements evolution histories.	what:phase:management
370	A case study on the effectiveness of a particular method to visually represent requirements evolution histories.	what:challenge:process_visualization

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371	A document-driven study on the differences between documented non-functional and functional requirements in industrial requirements specifications in order to assess how sharp this distinction is in practice.	what:phase:specification
371	A document-driven study on the differences between documented non-functional and functional requirements in industrial requirements specifications in order to assess how sharp this distinction is in practice.	what:information:functional
371	A document-driven study on the differences between documented non-functional and functional requirements in industrial requirements specifications in order to assess how sharp this distinction is in practice.	what:information:quality_all
372	An interview-based study on reusable probing questions used to gather information for architectural decision-making in order to equip business analysts with these questions.	what:information:architecture
372	An interview-based study on reusable probing questions used to gather information for architectural decision-making in order to equip business analysts with these questions.	what:challenge:process_standardization
372	An interview-based study on reusable probing questions used to gather information for architectural decision-making in order to equip business analysts with these questions.	what:challenge:process_deciding
373	A method to automatically revise goals that may be underspecified or partially wrong to resolve obstructions in a given domain.	+ <i>challenge:goals</i> what:challenge:process_automation
374	A method to discover security requirements in continuously evolving threat landscapes which lead to new tacit knowledge that is embedded in or across a variety of security incidents.	what:phase:elicitation
374	A method to discover security requirements in continuously evolving threat landscapes which lead to new tacit knowledge that is embedded in or across a variety of security incidents.	+ <i>challenge:context:completeness</i> what:phase:management
374	A method to discover security requirements in continuously evolving threat landscapes which lead to new tacit knowledge that is embedded in or across a variety of security incidents.	what:information:quality_security
375	An interview-based study to explore requirements engineering practitioners' perceptions and attitudes towards sustainability.	what:information:quality_sustainability
375	An interview-based study to explore requirements engineering practitioners' perceptions and attitudes towards sustainability.	what:challenge:people_subjectivity
376	An experience report on teaching requirements engineering for undergraduate students.	what:challenge:people_skills
377	A method for automatically identifying the impact of requirements changes to system design using SysML.	what:phase:management

PaperID	PaperSummary	Tag
✓ 377	A method for automatically identifying the impact of requirements changes to system design using SysML.	what:challenge:process_automation
✓ 378	An experiment with students for analyzing different software engineering tasks that affect the tracing of the same requirement.	what:challenge:content_traceability
+ 379	A specification language for modeling both rich configurations and expressive temporal properties in order to make formal verification of systems involving these properties.	+ challenge:process_foundation + what:phase:evaluation
✓ 380	A method for automatically decomposing on-the-fly formal specifications and verify them seamlessly in order to support industrial-scale applicability of formal verification techniques.	what:phase:evaluation
✓ 380	A method for automatically decomposing on-the-fly formal specifications and verify them seamlessly in order to support industrial-scale applicability of formal verification techniques.	what:challenge:process_automation
+ 381	A method for runtime self-adaptation ensuring the satisfaction of multiple goals while simultaneously reaching optimality to an additional goal and achieving robustness to environmental disturbances.	- challenge:goals - challenge:management informality - +
✓ 382	A method for on-line analysis of formal specifications able to cope efficiently with the evolution of such specifications in order to support adoption of such techniques in industrial contexts.	what:phase:management
✓ 383	A method for mining performance specifications from running systems that allow performance regression testing and performance monitoring.	what:phase:evaluation
✓ 383	A method for mining performance specifications from running systems that allow performance regression testing and performance monitoring.	what:phase:management
✓ 383	A method for mining performance specifications from running systems that allow performance regression testing and performance monitoring.	what:information:quality_performance
✓ 384	A method for deciding the plan for the next software release considering the risk of different perceptions of value and different revenues associated with multiple (groups of) stakeholders.	what:challenge:people_subjectivity
+ 384	A method for deciding the plan for the next software release considering the risk of different perceptions of value and different revenues associated with multiple (groups of) stakeholders.	+ phase:uncertaint + what:challenge:context_uncertainty
✓ 385	A method for integrating goal-oriented requirements engineering and multi-criteria decision making for problem modeling and analysis.	what:information:goals
✓ 385	A method for integrating goal-oriented requirements engineering and multi-criteria decision making for problem modeling and analysis.	what:challenge:problem
✓ 385	A method for integrating goal-oriented requirements engineering and multi-criteria decision making for problem modeling and analysis.	what:challenge:process_deciding

PaperID	PaperSummary	Tag
386	A data-driven study on the performance of a set of information retrieval algorithms for computing traceability in issue tracking systems.	what:information:quality_performance
386	A data-driven study on the performance of a set of information retrieval algorithms for computing traceability in issue tracking systems.	+ challenge:process:content_traceability
387	A case study on understanding how stakeholder influence and collaboration patterns evolve over time and how innovation and time-to-market evolve over the same period of time.	what:phase:management
387	A case study on understanding how stakeholder influence and collaboration patterns evolve over time and how innovation and time-to-market evolve over the same period of time.	what:challenge:people_collaboration
388	A multi-experiment with students for comparing the accuracy and performance of different query representation techniques in order to improve the ability to provide critical feedback to users making queries.	what:information:quality_performance
388	A multi-experiment with students for comparing the accuracy and performance of different query representation techniques in order to improve the ability to provide critical feedback to users making queries.	what:challenge:people_communication
388	A multi-experiment with students for comparing the accuracy and performance of different query representation techniques in order to improve the ability to provide critical feedback to users making queries.	what:challenge:process_improving
389	A method for searching certain classes of potential problems in business process models related to their incompleteness or the ambiguity of their labels.	what:documentation:businessmodels
389	A method for searching certain classes of potential problems in business process models related to their incompleteness or the ambiguity of their labels.	what:challenge:problem
389	A method for searching certain classes of potential problems in business process models related to their incompleteness or the ambiguity of their labels.	what:challenge:content_unambiguousness
389	A method for searching certain classes of potential problems in business process models related to their incompleteness or the ambiguity of their labels.	what:challenge:content_completeness
390	A method for classifying automatically legal cross references across several provisions which refer to a single compliance requirement.	what:challenge:process_automation
390	A method for classifying automatically legal cross references across several provisions which refer to a single compliance requirement.	what:challenge:context_regulation
391	A case study on measuring the frequency of eight types of requirements defects (e.g., incompleteness) and refining them according to nine possible defect sources (e.g., wording).	what:documentation:naturallanguage

PaperID	PaperSummary	Tag
391	A case study on measuring the frequency of eight types of requirements defects (e.g., incompleteness) and refining them according to nine possible defect sources (e.g., wording).	what:challenge:content_completeness
391	A case study on measuring the frequency of eight types of requirements defects (e.g., incompleteness) and refining them according to nine possible defect sources (e.g., wording).	what:challenge:content_all
392	A model for relating gamification, stakeholder engagement and RE performance in agile processes in order to increase stakeholder engagement adequately in each RE phase.	what:information:quality_performance
392	A model for relating gamification, stakeholder engagement and RE performance in agile processes in order to increase stakeholder engagement adequately in each RE phase.	+ challenge:people - collaboration + what:domain:organization_agile
393	A data-driven study for uncovering detailed relations between requirements and design decisions and demonstrate the effectiveness of a particular documentation approach for decision-related knowledge.	+ challenge:process - decision + what:phase:analysis
394	A multi-instrument study (survey followed by interviews) with industry on their productivity and the quality of their working documents when using user stories.	what:documentation:userstories
395	A literature review on reported evidence on customer input during continuous deployment in software engineering, including potential benefits, challenges, methods, and tools.	challenge:people - communication + what:phase:management
396	A literature study on specific threats to validity in controlled experiments with student participants and on mitigation strategies for these threats.	what:general:research
397	A conceptual framework for integrating lean principles within design science research phases and outputs exemplified with the planning and execution of software and requirements engineering research projects	what:domain:organization_lean
397	A conceptual framework for integrating lean principles within design science research phases and outputs exemplified with the planning and execution of software and requirements engineering research projects	what:general:research
397	A conceptual framework for integrating lean principles within design science research phases and outputs exemplified with the planning and execution of software and requirements engineering research projects	what:general:framework
398	An experiment with students on comparing through eye tracking the way specifications are read depending on their presentation format and considering different role perspectives.	what:challenge:people_skills
399	A case study for assessing the impact of a real legal change proposal on an existing specification model using model-based simulation techniques.	what:phase:management
399	A case study for assessing the impact of a real legal change proposal on an existing specification model using model-based simulation techniques.	what:challenge:context_regulation

PaperID	PaperSummary	Tag
✓ 400	A process for putting together agile development, DevOps, and innovation management in order to embed technological innovations into the overall system.	what:domain:organization_agile
✓ 401	A state of the art report on the status quo, challenges, findings and possible directions in RE for health data analytics.	what:domain:sector_health
✗ 402	A method for revising software requirements specifications (SRS) through inspection at two different levels of abstraction in order to assess the SRS quality.	+ challenge:content-all what:phase:specification
✓ 403	A study based on interviews with practitioners and a literature review for building a body of knowledge for traceability in order to assist engineers how to implement traceability in a project.	<del>challenge:content</del> what:challenge:content_traceability
✓ 404	An experience report on the process followed to elicit, classify, prioritize, and validate privacy requirements for a privacy platform involving public administration and citizens.	what:phase:elicitation
✓ 404	An experience report on the process followed to elicit, classify, prioritize, and validate privacy requirements for a privacy platform involving public administration and citizens.	what:phase:evaluation
✓ 404	An experience report on the process followed to elicit, classify, prioritize, and validate privacy requirements for a privacy platform involving public administration and citizens.	what:information:quality_security
✓ 404	An experience report on the process followed to elicit, classify, prioritize, and validate privacy requirements for a privacy platform involving public administration and citizens.	what:challenge:process_prioritization
✓ 404	An experience report on the process followed to elicit, classify, prioritize, and validate privacy requirements for a privacy platform involving public administration and citizens.	what:domain:sector_public
✓ 405	A case study for understanding how experts can elicit security demands from stakeholders of the application domain and derive security policy templates.	what:phase:elicitation
✓ 405	A case study for understanding how experts can elicit security demands from stakeholders of the application domain and derive security policy templates.	what:information:quality_security
✓ 405	A case study for understanding how experts can elicit security demands from stakeholders of the application domain and derive security policy templates.	what:challenge:process_standardization
✓ 406	A training program for assisting requirement authors through a network of trained experts in the context of large projects with dozens of such authors.	what:challenge:people_skills
✗ 407	An ontology for describing properties of data and systems that allow to generate and manage privacy requirements in order to integrate the legal and engineering perspectives.	+ please:specification what:information:quality_security

PaperID	PaperSummary	Tag
✓ 407	An ontology for describing properties of data and systems that allow to generate and manage privacy requirements in order to integrate the legal and engineering perspectives.	what:challenge:context_regulation
✓ 408	An experience report on applying a tailored INCOSE requirements engineering process to the specificities of retrofittable subsea equipment systems.	what:domain:sector_subsea
✓ 409	A multi-case study with practitioners on the lessons learned using a set of templates for requirements written in natural language during six years.	what:documentation:naturallanguage
✓ 409	A multi-case study with practitioners on the lessons learned using a set of templates for requirements written in natural language during six years.	what:challenge:process_standardization
✓ 410	A method for specifying changes in intentions over time and simulating such changes in order to make trade-off decisions about the evolution of requirements.	what:phase:specification
+ 410	A method for specifying changes in intentions over time and simulating such changes in order to make trade-off decisions about the evolution of requirements.	+ challenge:process_plan + what:phase:management
+ 411	An online survey on the ability of laypersons, technical professionals, and legal experts to judge the similarity between legal coverage conditions and requirements.	+ challenge:people_skills what:challenge:context_regulation
✓ 412	An interview-based study with practitioners for identifying a set of cues appearing in linguistic expressions that typically lead to ambiguity in order to improve customer-analyst communication.	what:challenge:content_unambiguousness
✓ 412	An interview-based study with practitioners for identifying a set of cues appearing in linguistic expressions that typically lead to ambiguity in order to improve customer-analyst communication.	what:challenge:people_communication
✓ 412	An interview-based study with practitioners for identifying a set of cues appearing in linguistic expressions that typically lead to ambiguity in order to improve customer-analyst communication.	what:challenge:process_improving
+ 413	A study based on case studies and interviews with practitioners for identifying challenges involved in collaborative traceability management and how traceability can be used to enable collaboration.	+ challenge.documentation_naturallanguage what:challenge:content_traceability
+ 413	A study based on case studies and interviews with practitioners for identifying challenges involved in collaborative traceability management and how traceability can be used to enable collaboration.	+ challenge:management what:challenge:people_collaboration
✓ 414	A process for automatically discovering requirements knowledge from large sets of domain documents in order to assist organizations in entering new domains.	what:phase:elicitation
✓ 414	A process for automatically discovering requirements knowledge from large sets of domain documents in order to assist organizations in entering new domains.	what:challenge:process_automation

PaperID	PaperSummary	Tag
415	A framework for helping analysts in identifying system misuse cases using formal reasoning about social norms in order to avoid data breaches originating from such misuses. (authors?)	phase:analysis challenge:people-skills what:documentation:usecases-
416	A framework for specifying performance requirements based on sentence patterns in order to reduce their level of incompleteness.	what:phase:specification
416	A framework for specifying performance requirements based on sentence patterns in order to reduce their level of incompleteness.	what:information:quality_performance
416	A framework for specifying performance requirements based on sentence patterns in order to reduce their level of incompleteness.	+ documentation:naturallanguage what:challenge:content_completeness
417	A tool for connecting textual notes and video recording when holding requirements elicitation workshops supporting enhanced analysis in order to mitigate the scribe's overload.	what:phase:elicitation
417	A tool for connecting textual notes and video recording when holding requirements elicitation workshops supporting enhanced analysis in order to mitigate the scribe's overload.	= challenge:people-skills what:documentation:naturallanguage
418	A literature review on the existing approaches in goal-oriented RE in order to provide research directions in this area.	what:information:goals
418	A literature review on the existing approaches in goal-oriented RE in order to provide research directions in this area.	what:general:research
419	An experiment with students for validating that modeling separately the stakeholder viewpoints and then explicitly merging them leads to a richer domain understanding than constructing a single coherent requirements model.	challenge:content:all what:phase:evaluation
420	An interview-based study with practitioners for knowing the current practices of presenting and manipulating artifacts in documentation tools in order to understand how well these tools support requirements engineers.	what:documentation:artifacts
421	An experiment with academics for exploring the impact of violating goal model layout guidelines onto the understandability of the requirements represented in such model.	what:documentation:goalmodels
421	An experiment with academics for exploring the impact of violating goal model layout guidelines onto the understandability of the requirements represented in such model.	what:challenge:content_understandability
422	A data-driven study for understanding the communication about software applications on Twitter and its relevance for RE and software evolution.	what:phase:management
422	A data-driven study for understanding the communication about software applications on Twitter and its relevance for RE and software evolution.	what:challenge:people_communication

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✓ 423	A method for eliciting security requirements related to the acquisition of information about the system by methods that deeply include non-technical means.	what:phase:elicitation
✓ 423	A method for eliciting security requirements related to the acquisition of information about the system by methods that deeply include non-technical means.	what:information:quality_security
✓ 424	An interview-based study with practitioners on the current practices for writing, maintaining and linking requirements and acceptance test documentation in agile projects.	what:phase:management
✓ 424	An interview-based study with practitioners on the current practices for writing, maintaining and linking requirements and acceptance test documentation in agile projects.	what:challenge:content_traceability
✓ 424	An interview-based study with practitioners on the current practices for writing, maintaining and linking requirements and acceptance test documentation in agile projects.	what:domain:organization_agile
✗ 425	An analysis of the adequacy of different natural language processing techniques and machine learning features for identifying software feature requests in issue tracking systems.	+ phase: elicitation what:documentation:naturallanguage
✓ 426	A model for understanding the implications of privacy requirements vagueness in aligning company's privacy policies with their data practices in order to reduce privacy risks.	what:information:quality_security
✓ 426	A model for understanding the implications of privacy requirements vagueness in aligning company's privacy policies with their data practices in order to reduce privacy risks.	what:challenge:content_unambiguousness
✓ 426	A model for understanding the implications of privacy requirements vagueness in aligning company's privacy policies with their data practices in order to reduce privacy risks.	what:challenge:context_uncertainty
✗ 427	A literature review on the existing approaches in the visualization techniques available in RE. <del>RE</del>	what:challenge:process_visualization
✗ 428	A case study on generating and rating ideas from the crowd in order to understand how human personality and creative potential influence requirement acquisition from the crowd.	+ phase: elicitation what:challenge:people_skills
✓ 429	A method for automatically deriving conceptual data models from user stories written in natural language in order to create a holistic view of the requirements specification,	what:phase:specification
✓ 429	A method for automatically deriving conceptual data models from user stories written in natural language in order to create a holistic view of the requirements specification,	what:documentation:naturallanguage
✓ 429	A method for automatically deriving conceptual data models from user stories written in natural language in order to create a holistic view of the requirements specification,	what:documentation:userstories
✓ 429	A method for automatically deriving conceptual data models from user stories written in natural language in order to create a holistic view of the requirements specification,	what:challenge:process_automation

PaperID	PaperSummary	Tag
430	A method for enlarging traditional traceability approaches with information linking documents generated during traditional and agile methodologies in order to ease the transition to agile development.	what:challenge:content_traceability
430	A method for enlarging traditional traceability approaches with information linking documents generated during traditional and agile methodologies in order to ease the transition to agile development.	what:domain:organization_agile
431	A case study on the need for requirement change control policies and formal processes to coexist with informal requirement change management in globally distributed settings.	what:phase:management
431	A case study on the need for requirement change control policies and formal processes to coexist with informal requirement change management in globally distributed settings.	what:challenge:process_formalization
431	A case study on the need for requirement change control policies and formal processes to coexist with informal requirement change management in globally distributed settings.	what:domain:organization_distributed
432	A taxonomy for classifying requirement errors and for guiding developers to find additional faults based on the type of usual human errors in order to avoid requirement engineers to make the same errors in the future.	+ phase:management what:challenge:content_all
433	A data-driven study for understanding the effect of size and layout flaws in the comprehension of several types of UML specification models.	+ documentation:diagrams what:challenge:content_understandability
434	An experiment with students for investigating reading patterns and learning styles of software requirement inspectors for in order to enhance inspection team outcome.	+ phase:validation what:challenge:people_skills
435	A framework for supporting a systematic and comprehensive discovery of security goals for a system.	what:phase:elicitation
435	A framework for supporting a systematic and comprehensive discovery of security goals for a system.	what:information:quality_security
120	A literature study on understanding the strengths and weaknesses of service description methods in order to allow developers selecting an appropriate description method that fits best their services	phase:specification
331	A case study for evaluating a particular approach to release planning in order to reach the market as early as possible with a competitive level of quality.	phase:management
336	A method for modeling and reasoning about information quality at requirements level in order to avoid low-quality information for critical systems.	domain:systems:critical
351	A data-driven study for comparing several probabilistic techniques to classify app reviews from app stores in order to assess their accuracy.	domain:sector:mobile

