LIST OF PRIMARY STUDIES

No.	Author	Year	Title	Venue
1	Dezfuli, H et al.	2012	A "Systems/Case-Based" approach to system safety	ESREL and PSAM
2	Cassano, V et al.	2016	A (Proto) logical basis for the notion of a structured argument in a safety case	ICFEM
3	Denney, E et al.	2013	A formal basis for safety case patterns	SAFECOMP
4	Wang, R et al.	2016	A framework for assessing safety argumentation confidence	SERENE
5	Hawkins, R et al.	2012	A framework for determining the sufficiency of software safety assurance	SSCS
6	Despotou, G et al.	2017	A framework for synthesis of safety justification for digitally enabled healthcare services	Digital Health
7	Lin, C et al.	2016	A Framework to Support Generation and Maintenance of an Assurance Case	ISSREW
8	Yamamoto, S	2014	A knowledge integration approach of safety-critical software development and operation based on the method architecture	KES
9	Birch, J et al.	2014	A layered model for structuring automotive safety arguments	EDCC
10	Viger, T et al.	2021	A Lean Approach to Building Valid Model-Based Safety Arguments	MODELS
11	Denney, E et al.	2012	A lightweight methodology for safety case assembly	SAFECOMP
12	Björnander, S et al.	2012	A method to formally evaluate safety case arguments against a system architecture model	ISSREW
13	Šljivo, I et al.	2017	A method to generate reusable safety case argument-fragments from compositional safety analysis	JSS
14	Guiochet, J et al.	2015	A model for safety case confidence assessment	SAFECOMP
15	Gallina, B	2014	A model-driven safety certification method for process compliance	ISSREW
16	Larrucea, A et al.	2015	A modular safety case for an IEC-61508 compliant generic COTS multicore processor	CIT
17	Larrucea, A et al.	2015	A modular safety case for an IEC-61508 compliant generic hypervisor	DSD
18	Khalil, M et al.	2014	A pattern-based approach towards the guided reuse of safety mechanisms in the automotive domain	IMBSA

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19	Nešić, D et al.	2021	A probabilistic model of belief in safety cases	Safety Science Journal
20	Idmessaoud, Y et al.	2022	A Qualitative Counterpart of Belief Functions with Application to Uncertainty Propagation in Safety Cases	BELIEF
21	Feng, L et al.	2014	A safety argument strategy for PCA closed-loop systems: A preliminary proposal	MCPS
22	Schmid, T et al.	2019	A Safety Argumentation for Fail-Operational Automotive Systems in Compliance with ISO 26262	ICSRS
23	Ayoub, A et al.	2012	A safety case pattern for model-based development approach	NFM
24	Liu, Q et al.	2012	A safety-argument based method to predict system failure	PHM
25	Menon, C et al.	2020	A safety-case approach to the ethics of autonomous vehicles	Safety and Reliability
26	Birch, J et al.	2020	A Structured Argument for Assuring Safety of the Intended Functionality (SOTIF)	WAISE
27	Luo, Y et al.	2017	A systematic approach and tool support for GSN-based safety case assessment	JSA
28	Ayoub, A et al.	2012	A systematic approach to justifying sufficient confidence in software safety arguments	SAFECOMP
29	Vorapojpisut, S	2016	A V-model framework for the certification against the Annex R of IEC 60335-1: Class B appliances	ICIT
30	Denney, E et al.	2012	AdvoCATE: An assurance case automation toolset	SASSUR
31	Myklebust, T et al.	2020	Agile safety case and DevOps for the automotive industry	ESREL and PSAM
32	Myklebust, T et al.	2022	Agile safety case for vehicle trial operations	PSAM
33	de la Vara, J et al.	2017	An analysis of safety evidence management with the Structured Assurance Case Metamodel [Article]	CSI
34	Ward, F et al.	2020	An Assurance Case Pattern for the Interpretability of Machine Learning in Safety-Critical Systems	DECSoS
35	Yamamoto, S et al.	2013	An evaluation of argument patterns to reduce pitfalls of applying assurance case	ASSURE
36	Nair, S et al.	2016	An evidential reasoning approach for assessing confidence in safety evidence	ISSRE
37	Matsuno, Y et al.	2013	An implementation of GSN community standard	ASSURE

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38	Larrucea, X et al.	2018	Analyzing a ROS based architecture for its cross reuse in ISO26262 settings	MEDI
39	Lin, C et al.	2015	Applying Safety Case Pattern to Generate Assurance Cases for Safety-Critical Systems	HASE
40	Gleirscher, M et al.	2017	Arguing from hazard analysis in safety cases: A modular argument pattern	HASE
41	Cârlan, C et al.	2017	Arguing on software-level verification techniques appropriateness	SAFECOMP
42	Hocking, A et al.	2014	Arguing software compliance with ISO 26262	ISSREW
43	Grigorova, S et al.	2014	Argument Evaluation in the Context of Assurance Case Confidence Modeling	ISSREW
44	Denney, E et al.	2015	ARgument-based airworthiness assurance of small UAS	DASC
45	Yuan, T et al.	2012	Argument-based approach to computer system safety engineering	IJCCBS
46	Reich, J et al.	2020	Argument-Driven Safety Engineering of a Generic Infusion Pump with Digital Dependability Identities	IMBSA
47	de la Vara, J et al.	2019	Assessment of the Quality of Safety Cases: A Research Preview	REFSQ
48	Picardi, C et al.	2020	Assurance argument patterns and processes for machine learning in safety-related systems	SafeAI
49	Y. Zhang et al.	2018	Assurance case considerations for interoperable medical systems	ASSURE
50	Schwierz, A et al.	2018	Assurance Case to Structure COTS Hardware Component Assurance for Safety-Critical Avionics	DASC
51	Asaadi, E et al.	2020	Assured Integration of Machine Learning-based Autonomy on Aviation Platforms	DASC
52	Denney, E et al.	2014	Assuring ground-based detect and avoid for UAS operations	DASC
53	Conmy, P et al.	2014	Assuring safety for component based software engineering	HASE
54	Reich, J et al.	2019	Automated evidence analysis of safety arguments using digital dependability identities	SAFECOMP
55	Hartsell, C et al.	2021	Automated Method for Assurance Case Construction from System Design Models	ICSRS
56	Armengaud, E	2014	Automated safety case compilation for product-based argumentation	ERTS
57	Cârlan, C et al.	2022	Automating Safety Argument Change Impact Analysis for Machine Learning Components	PRDC

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58	Denney, E et al.	2014	Automating the assembly of aviation safety cases	TOR
59	Macher, G et al.	2014	Automotive safety case pattern	EuroPLoP
60	Idmessaoud, Y et al.	2020	Belief Functions for Safety Arguments Confidence Estimation: A Comparative Study	SUM
61	Williams, B et al.	2014	Building the safety case for UAS operations in support of natural disaster response	Integration, and Operations Conference
62	Wassyng, A et al.	2015	Can Product-Specific Assurance Case Templates Be Used as Medical Device Standards?	IEEE Design & Test
63	Carlan, C et al.	2020	Checkable Safety Cases: Enabling Automated Consistency Checks between Safety Work Products	ISSREW
64	Hirata, C et al.	2019	Combining GSN and STPA for Safety Arguments	ASSURE
65	Denney, E et al.	2016	Composition of safety argument patterns	SAFECOMP
66	Yuan, T et al.	2015	Computer-assisted safety argument review - A dialectics approach	Argument and Computation
67	Burton, S et al.	2019	Confidence Arguments for Evidence of Performance in Machine Learning for Highly Automated Driving Functions	WAISE
68	Wang, R et al.	2017	Confidence assessment framework for safety arguments	SAFECOMP
69	Groza, A et al.	2014	Consistency checking of safety arguments in the Goal Structuring Notation standard	ICCP
70	Nešić, D et al.	2019	Constructing product-line safety cases from contract-based specifications	SAC
71	Ray, A et al.	2013	Constructing safety assurance cases for medical devices	ASSURE
72	Warg, F et al.	2019	Continuous deployment for dependable systems with continuous assurance cases	ISSREW
73	Juarez Dominguez, A et al.	2013	Creating safety assurance cases for rebreather systems	ASSURE
74	Chowdhury, T et al.	2019	Criteria to Systematically Evaluate (Safety) Assurance Cases	ISSRE
75	Beyene, T et al.	2021	CyberGSN: A Semi-formal Language for Specifying Safety Cases	DSN-W
76	Jaradat, O et al.	2016	Deriving Hierarchical Safety Contracts	PRDC

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77	Gallina, B et al.	2015	Deriving reusable process-based arguments from process models in the context of railway safety standards	ADA
78	Gallina, B et al.	2016	Deriving safety case fragments for assessing MBASafe's compliance with EN 50128	CCIS
79	Sljivo, I et al.	2015	Deriving Safety Contracts to Support Architecture Design of Safety Critical Systems	HASE
80	Gallina, B et al.	2016	Deriving verification-related means of compliance for a model-based testing process	DASC
81	Jia, Y et al.	2019	Developing a safety case for electronic prescribing	STHI
82	Carr, A et al.	2017	Developing the Safety Case for MediPi: An Open-Source Platform for Self Management	SHTI
83	Luo, Y et al.	2016	Development of a safety case editor with assessment features	WASA
84	Clothier, R et al.	2015	Development of a Template Safety Case for Unmanned Aircraft Operations over Populous Areas	SAE Technical papers
85	Wang, R et al.	2016	D-S Theory for argument confidence assessment	BELIEF
86	Muram, F et al.	2020	Dynamic Reconfiguration of Safety-Critical Production Systems	PRDC
87	Denney, E et al.	2015	Dynamic Safety Cases for Through-Life Safety Assurance	ICSE
88	Diemert, S et al.	2020	Eliminative argumentation for arguing system safety - A practitioner's experience	SYSCON
89	Gallina, B et al.	2014	Enabling cross-domain reuse of tool qualification certification artefacts	DEVVARTS
90	Reich, J et al.	2020	Engineering of Runtime Safety Monitors for Cyber-Physical Systems with Digital Dependability Identities	SAFECOMP
91	Mumtaz, M et al.	2019	ENGINEERING SAFETY CASE ARGUMENTS USING GSN STANDARDS	JNAS
92	Cârlan, C et al.	2020	Enhancing state-of-the-art safety case patterns to support change impact analysis	ESREL and PSAM
93	Denney, E et al.	2013	Evidence arguments for using formal methods in software certification	ISSREW
94	Cârlan, C et al.	2017	ExplicitCase: Integrated model-based development of system and safety cases	ASSURE
95	Cârlan, C et al.	2019	ExplicitCase: Tool-Support for Creating and Maintaining Assurance Arguments Integrated with System Models	ISSREW
96	Prokhorova, Y et al.	2015	Facilitating construction of safety cases from formal models in Event-B	IST

97	Jaradat, O et al.	2016	Facilitating the Maintenance of Safety Cases	ICRESH-ARMS
98	Cârlan, C et al.	2020	FASTEN.Safe: A Model-Driven Engineering Tool to Experiment with Checkable Assurance Cases.	SAFECOMP
99	Denney, E et al.	2015	Formal Foundations for Hierarchical Safety Cases	HASE
100	Iliasov, A et al.	2022	Formal verification of railway interlocking and its safety case	Safety-critical symposium SCS
101	Laibinis, L et al.	2015	From requirements engineering to safety assurance: Refinement approach	SETTA
102	Woodham, K et al.	2018	FUELEAP model-based system safety analysis	Integration, and Operations Conference
103	Zeng, F et al.	2013	General development framework and its application method for software safety case	Journal of Software
104	Annable, N et al.	2022	Generating Assurance Cases Using Workflow+ Models	SAFECOMP
105	Sljivo, I et al.	2014	Generation of safety case argument-fragments from safety contracts	SAFECOMP
106	Zapata, D et al.	2018	Geohazard management approach within safety case	IPC
107	Chelouati, M et al.	2022	Graphical safety assurance case using Goal Structuring Notation (GSN)–challenges, opportunities and a framework for autonomous trains	Reliability Engineering and System Safety
108	Nicolas, C et al.	2017	GSN support of mixed-criticality systems certification	DECSoS
109	Denney, E et al.	2012	Heterogeneous aviation safety cases: Integrating the formal and the non-formal	ICECCS
110	Denney, E et al.	2013	Hierarchical safety cases	NFM
111	Murphy, K et al.	2012	How reliable is my safety case?	HAZARDS
112	Hoang, Q et al.	2012	Human-robot interactions: Model-based risk analysis and safety case construction	ERTS
113	Dardar, R et al.	2012	Industrial experiences of building a safety case in compliance with ISO 26262	ISSREW
114	Cârlan, C et al.	2016	Integrated Formal Methods for Constructing Assurance Cases	ISSREW
115	Vierhauser, M et al.	2021	Interlocking Safety Cases for Unmanned Autonomous Systems in Shared Airspaces	TSE

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116	Łukasiewicz, K et al.	2018	Introducing agile practices into development processes of safety critical software	XP
117	Despotou, G et al.	2012	Introducing safety cases for health IT	SEHC
118	Ibarra, I et al.	2012	ISO 26262 concept phase safety argument for a complex item	SSCS
119	Kakimoto, K et al.	2017	IV&V Case: Empirical study of software independent verification and validation based on safety case	ISSREW
120	Brain, J. M	2014	Learning from experience – how can we produce a nuclear safety case to outlast the station?	SSCS
121	Agrawal, A et al.	2019	Leveraging Artifact Trees to Evolve and Reuse Safety Cases	ICSE
122	Prokhorova, Y et al.	2012	Linking modelling in event-B with safety cases	SERENE
123	Taguchi, K et al.	2014	Linking traceability with GSN	ISSREW
124	Carlan, C	2017	Living safety arguments for open systems	ISSREW
125	Sorokos, I et al.	2016	Maintaining Safety Arguments via Automatic Allocation of Safety Requirements	IFAC
126	Clothier, R et al.	2017	Making a risk informed safety case for small unmanned aircraft system operations	ATIO
127	Nevalainen, R et al.	2013	Making Software Safety Assessable and Transparent	EuroSPI
128	Lin, C et al.	2018	Measure Confidence of Assurance Cases in Safety-Critical Domains	ICSE
129	Boring, R et al.	2017	Measurement sufficiency versus completeness: Integrating safety cases into verification and validation in nuclear control room modernization	AISC
130	Jones, P et al.	2015	Medical device risk management and safety cases	BMIT
131	Di Sandro, A et al.	2020	MMINT-A 2.0: Tool Support for the Lifecycle of Model-Based Safety Artifacts	MODELS-C
132	Hartsell, C et al.	2019	Model-based design for CPS with learning-enabled components	DESTION
133	Chouchani, N et al.	2022	Model-based safety engineering for autonomous train map	JSS
134	Retouniotis, A et al.	2017	Model-connected safety cases	IMBSA
135	Denney, E et al.	2017	Model-Driven Development of Safety Architectures	MODELS

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136	Wang, R et al.	2018	Modelling confidence in railway safety case	Safety Science Journal
137	Larrucea, A et al.	2017	Modular Development and Certification of Dependable Mixed-Criticality Systems	DSD
138	Nešić, D et al.	2019	Modular Safety Cases for Product Lines Based on Assume-Guarantee Contracts	ASSURE
139	Agarwal, H et al.	2021	On safety assurance case for deep learning based image classification in highly automated driving	DATE
140	Gauerhof, L et al.	2021	On the Necessity of Explicit Artifact Links in Safety Assurance Cases for Machine Learning	ISSREW
141	Denney, E et al.	2012	Perspectives on software safety case development for unmanned aircraft	DSN
142	Gallina, B et al.	2017	Pioneering the creation of ISO 26262-compliant OSLC-based safety cases	ISSREW
143	Katta, V et al.	2014	Presenting a traceability based approach for safety argumentation	ESREL
144	Napolano, M et al.	2016	Preventing recurrence of industrial control system accident using assurance case	ISSREW
145	Chowdhury, T et al.	2017	Principles for systematic development of an assurance case template from ISO 26262	ISSREW
146	Gallina, B et al.	2017	Promoting MBA in the rail sector by deriving process-related evidence via MDSafeCer	CSI
147	Idmessaoud, Y et al.	2021	Quantifying Confidence of Safety Cases with Belief Functions	BELIEF
148	Nair, S et al.	2014	Quantifying uncertainty in safety cases using evidential reasoning	SASSUR
149	Di Sandro, A et al.	2019	Querying automotive system models and safety artifacts with MMINT and viatra	MODELS-C
150	Denney, E et al.	2014	Querying safety cases	SAFECOMP
151	Graydon, P et al.	2014	Realistic safety cases for the timing of systems	Computer Journal
152	Duan, L et al.	2016	Representation of Confidence in Assurance Cases Using the Beta Distribution	HASE
153	Lutz, R. R	2022	Requirements Engineering for Safety-Critical Molecular Programs	RE
154	Sun, L et al.	2014	Rethinking of strategy for safety argument development	SASSUR
155	Guarro, S et al.	2017	Risk informed safety case framework for unmanned aircraft system flight software certification	Aerospace Conference

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156	Feng, D et al.	2013	Risk-based requirements management framework with applications to assurance cases	Aerospace Conference
157	Koopman, P et al.	2019	Safety argument considerations for public road testing of autonomous vehicles	WCX
158	Wang, S et al.	2020	Safety Argument Pattern Language of Safety-Critical Software	DSA
159	Fujino, H et al.	2019	Safety Assurance Case Description Method for Systems Incorporating Off-Operational Machine Learning and Safety Device	INCOSE
160	Burton, S et al.	2021	Safety Assurance of Machine Learning for Chassis Control Functions	SAFECOMP
161	Wang, R et al.	2019	Safety case confidence propagation based on Dempster–Shafer theory	IJAR
162	Buysse, L et al.	2022	Safety Case Conversion from Goal Structuring Notation to Structured Assurance Case Metamodel	ET
163	Fahreza Inzaghi, M et al.	2021	Safety Case Development for Risk Management of Offshore Pipeline	Earth and Environmental Science
164	Standish, M et al.	2014	Safety case development: a process to implement the safety three-layered framework	SSCS
165	Ruiz, A et al.	2015	Safety case driven development for medical devices	SAFECOMP
166	Holmberg, J et al.	2012	Safety case framework to provide justifiable reliability numbers for software systems	ESREL and PSAM
167	Kokaly, S et al.	2017	Safety case impact assessment in automotive software systems: An improved model-based approach	SAFECOMP
168	Ilizástigui Pérez, F	2020	Safety case process in Cuba: Transition from theory to practice	PSEP
169	Ilizástigui Pérez, F	2017	Safety Case regulations for major hazard facilities in Cuba	HAZARDS
170	Birch, J et al.	2013	Safety cases and their role in ISO 26262 functional safety assessment	SAFECOMP
171	Mirzaei, E et al.	2020	Safety cases for adaptive systems of systems: State of the art and current challenges	EDCC
172	Sujan, M et al.	2013	Safety cases for medical devices and health information technology: Involving health-care organisations in the assurance of safety	Health Informatics Journal
173	Denney, E et al.	2016	Safety considerations for UAS ground-based detect and avoid	DASC

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174	Nair, S et al.	2014	Safety evidence traceability: Problem analysis and model	REFSQ
175	Heikkilä, E et al.	2017	Safety qualification process for an autonomous ship prototype - A goal-based safety case approach	TRANSNAV
176	Ratiu, D et al.	2015	Safety.Lab: Model-based domain specific tooling for safety argumentation.	ASSURE
177	Meyer, M et al.	2022	Scenario- and Model-Based Systems Engineering Procedure for the SOTIF-Compliant Design of Automated Driving Functions	IV
178	Aiello, M et al.	2014	SCT: A safety case toolkit	ISSREW
179	Socha, K et al.	2022	SMIRK: A machine learning-based pedestrian automatic emergency braking system with a complete safety case	Software Impacts
180	Zeng, F et al.	2012	Software safety certification framework based on safety case	CSSS
181	Schwalbe, G et al.	2020	Structuring the Safety Argumentation for Deep Neural Network Based Perception in Automotive Applications	WAISE
182	Lin, C et al.	2017	Support for safety case generation via model transformation	SIGBED
183	Górski, J et al.	2012	Supporting assurance by evidence-based argument services	ERCIM/EWICS/Cyberphysical Systems
184	de Oliveira, A et al.	2015	Supporting the automated generation of modular product line safety cases	DepCoS-RELCOMEX
185	Bagheri, H et al.	2020	Synthesis of Assurance Cases for Software Certification	ICSE
186	Chowdhury, T et al.	2020	Systematic Evaluation of (Safety) Assurance Cases	SAFECOMP
187	Jaradat, O et al.	2016	Systematic maintenance of safety cases to reduce risk	ASSURE
188	Matsuno, Y et al.	2019	Tackling Uncertainty in Safety Assurance for Machine Learning: Continuous Argument Engineering with Attributed Tests	WAISE
189	Stålhane, T et al.	2016	The agile safety case	ASSURE
190	Cassano, V et al.	2014	The definition and assessment of a safety argument	ISSREW
191	Yang, J et al.	2017	The Development of Safety Cases for an Autonomous Vehicle: A Comparative Study on Different Methods	ICVS

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192	Sujan, M et al.	2015	The development of safety cases for healthcare services: Practical experiences, opportunities and challenges	RESS
193	Ellor, G	2021	The e-SafetyCase - Electronic or Effortless?	CCPS 2021
194	Viger, T et al.	2022	The ForeMoSt approach to building valid model-based safety arguments	SoSym
195	Salay, R et al.	2022	The Missing Link: Developing a Safety Case for Perception Components in Automated Driving	WCX
196	Denney, E et al.	2019	The role of safety architectures in aviation safety cases	Relaibility Engineering and System safety
197	Standish, M et al.	2014	The safety three-layer framework: a case study	SSCS
198	Denney, E et al.	2018	Tool support for assurance case development	ASE
199	Ruiz, A et al.	2012	Towards a case-based reasoning approach for safety assurance reuse	SASSUR
200	Graydon, P. J	2014	Towards a clearer understanding of context and its role in assurance argument confidence	SAFECOMP
201	Denney, E et al.	2015	Towards a formal basis for modular safety cases	SAFECOMP
202	McDermid, J et al.	2019	Towards a framework for safety assurance of autonomous systems	CEUR
203	Geissler, F et al.	2021	Towards a safety case for hardware fault tolerance in convolutional neural networks using activation range supervision	CEUR
204	Eastwood, R et al.	2013	Towards a safety case for runtime risk and uncertainty management in safety-critical systems	CSC
205	Gallina, B et al.	2017	Towards an ISO 26262-compliant OSLC-based tool chain enabling continuous self-assessment	QUATIC
206	Brito, M. P	2017	Towards building a safety case for marine unmanned surface vehicles: A bayesian perspective	ESREL
207	Shahin, R et al.	2021	Towards Certified Analysis of Software Product Line Safety Cases	SAFECOMP
208	Alajrami, S et al.	2016	Towards cloud-based enactment of safety-related processes	SAFECOMP
209	Javed, M et al.	2021	Towards dynamic safety assurance for Industry 4.0	JSA
210	Gallina, B et al.	2015	Towards Enabling Reuse in the Context of Safety-Critical Product Lines	PLEASE

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211	Wardziński, A et al.	2016	Towards safety case integration with hazard analysis for medical devices	ASSURE
212	Idmessaoud, Y et al.	2022	Uncertainty Elicitation and Propagation in GSN Models of Assurance Cases	SAFECOMP
213	Mjeda, A et al.	2020	Uncertainty Entangled; Modelling Safety Assurance Cases for Autonomous Systems	ETAPS
214	Wardziński, A et al.	2017	Uniform model interface for assurance case integration with system models	ASSURE
215	Pissoort, D et al.	2019	Use of the Goal Structuring Notation (GSN) as Generic Notation for an 'EMC Assurance Case'	EMC
216	Kläs, M et al.	2021	Using complementary risk acceptance criteria to structure assurance cases for safety-critical AI components	CEUR
217	Zeng, F et al.	2013	Using D-S evidence theory to evaluation of confidence in safety case	JTAIT
218	Jaradat, O et al.	2017	Using Safety Contracts to Guide the Maintenance of Systems and Safety Cases	EDCC
219	Jaradat, O et al.	2018	Using safety contracts to verify design assumptions during runtime	ICRST
220	Jaradat, O et al.	2015	Using sensitivity analysis to facilitate the maintenance of safety cases	ICRST
221	Ferrell, U et al.	2022	Validation of Assurance Case for Dynamic Systems	DASC
222	Brain, J	2012	Visual representation of safety cases	Measurement and Control
223	Bragg, J et al.	2018	What is acceptably safe for reinforcement learning	WAISE
224	X. Zhao et al.	2012	A new approach to assessment of confidence in assurance cases	SASSUR

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