

Table. Compendium of the Primary Studies obtained in the Research.

ID	Study Topic	NC	Year	Ref.
A1	Rapid quality assurance with Requirements Smells	129	2016	[4]
A2	Rapid requirements checks with requirements smells: two case studies	70	2014	[18]
A3	Reviewing Natural Language Requirements with Requirements Smells – A Research Proposal –	18	2013	[3]
A4	On the Perceived Harmfulness of Requirement Smells: An Empirical Study	1	2020	[19]
A5	Detecting Requirements Smells With Deep Learning: Experiences, Challenges and Future Work	1	2021	[1]
A6	Initial Investigations on the Influence of Requirement Smells on Test-Case Design	5	2017	[20]
A7	Quality Requirements and the Requirements Quality: The indications from Requirements Smells in a Financial Institution Systems	1	2019	[21]
A8	Requirements Smells as indicators of poor quality in requirement specification: A systematic mapping of literature	4	2018	[22]
A9	Requirements Smells como Indicador de Qualidade para Histórias de Usuários: Estudo Exploratório	0	2021	[23]
A10	Problem of Incompleteness in Textual Requirements Specification	4	2019	[24]
A11	An NLP approach for cross-domain ambiguity detection in requirements engineering	35	2019	[25]
A12	It's the Activities, Stupid! A New Perspective on RE Quality	28	2015	[26]
A13	A Bird's Eye View of Natural Language Processing and Requirements Engineering	4	2021	[27]
A14	Requirements quality assurance in industry: why, what and how?	10	2017	[28]
A15	Improving agile requirements: the Quality User Story framework and tool	197	2016	[29]
A16	Which requirements artifact quality defects are automatically detectable? A case study	4	2017	[30]
A17	An automated approach to validate requirements specification	0	2020	[31]
A18	How Do Practitioners Interpret Conditionals in Requirements?	3	2021	[32]
A19	PURE: a Dataset of Public Requirements Documents	76	2017	[33]
A20	Towards the improvement of natural language requirements descriptions: The C&L tool	1	2020	[34]
A21	Algorithm for automatic detection of ambiguities from software requirements	0	2019	[35]
A22	Automatic Detection of Ambiguous Software Requirements: An Insight	9	2019	[36]
A23	Ambi Detect: An Ambiguous Software Requirements Specification Detection Tool	0	2021	[37]
A24	An approach for detecting syntax and syntactic ambiguity in software requirement specification	7	2021	[38]

Abbreviations: Study Identifier (ID), Number of citations of the study according to the Google Scholar citation index (NC), Study Referencie (Ref.).

Table. Compendium of the Primary Studies obtained from the Backward Snowballing.

ID	Study Topic	NC	Year	Ori.	Ref.
A25	Ambiguity Detection: Towards a Tool Explaining Ambiguity Sources	130	2010	[18]	[39]
A26	Can Clone Detection Support Quality Assessments of Requirements Specifications?	94	2010	[18]	[40]
A27	Rendex: A method for automated reviews of textual requirements	16	2016	[18]	[41]
A28	The NASA automated requirements measurement tool: a reconstruction	40	2013	[18]	[42]

Abbreviations: Study Identifier (ID), Number of citations of the study according to the Google Scholar citation index (NC), Origin Reference (Ori.), Study Reference (Ref.).