Didar Zowghi

List of Publications by Year
in descending order

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131	3,345	361045	243296
papers	citations	20 h-index	44 g-index

141	141	141	2030
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Requirements Elicitation: A Survey of Techniques, Approaches, and Tools. , 2005, , 19-46.		251
2	RE challenges in multi-site software development organisations. Requirements Engineering, 2003, 8, 149-160.	2.1	212
3	A maturity model for the implementation of software process improvement: an empirical study. Journal of Systems and Software, 2005, 74, 155-172.	3.3	210
4	A systematic review on the relationship between user involvement and system success. Information and Software Technology, 2015, 58, 148-169.	3.0	191
5	Critical success factors for software process improvement implementation: an empirical study. Software Process Improvement and Practice, 2006, 11, 193-211.	1.1	177
6	Mobile learning for science and mathematics school education: A systematic review of empirical evidence. Computers and Education, 2018, 121, 30-58.	5.1	174
7	Reasoning about inconsistencies in natural language requirements. ACM Transactions on Software Engineering and Methodology, 2005, 14, 277-330.	4.8	146
8	Analysis of requirements volatility during software development life cycle. , 2004, , .		117
9	The impact of stakeholders' geographical distribution on managing requirements in a multi-site organization. , 2002, , .		96
10	A framework for assisting the design of effective software process improvement implementation strategies. Journal of Systems and Software, 2005, 78, 204-222.	3.3	92
11	On the interplay between consistency, completeness, and correctness in requirements evolution. Information and Software Technology, 2003, 45, 993-1009.	3.0	85
12	An investigation into the notion of non-functional requirements. , 2010, , .		72
13	Teaching requirements engineering through role playing: lessons learnt. , 0, , .		67
14	An exploration of IoT platform development. Information Systems, 2020, 87, 101409.	2.4	61
15	Design and preliminary evaluation of a cyber Security Requirements Education Game (SREG). Information and Software Technology, 2018, 95, 179-200.	3.0	55
16	A logical framework for modeling and reasoning about the evolution of requirements. , 0, , .		53
17	An insight into the interplay between culture, conflict and distance in globally distributed requirements negotiations. , 2003, , .		50
18	A study of the impact of requirements volatility on software project performance. , 0, , .		44

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19	User involvement in software development and system success. , 2013, , .		44
20	An Industrial Case Study of Immediate Benefits of Requirements Engineering Process Improvement at the Australian Center for Unisys Software. Empirical Software Engineering, 2004, 9, 45-75.	3.0	42
21	Interval Time Series Analysis with an Application to the Sterling-Dollar Exchange Rate. Journal of Systems Science and Complexity, 2008, 21, 558-573.	1.6	35
22	Inquiryâ€based mobile learning in secondary school science education: A systematic review. Journal of Computer Assisted Learning, 2021, 37, 1-23.	3.3	35
23	Good requirements practices are neither necessary nor sufficient. Requirements Engineering, 2006, 11, 1-3.	2.1	34
24	Data quality and the Internet of Things. Computing (Vienna/New York), 2020, 102, 573-599.	3.2	34
25	User satisfaction and system success: an empirical exploration of user involvement in software development. Empirical Software Engineering, 2017, 22, 2339-2372.	3.0	33
26	Using card sorting technique to classify requirements change. , 0, , .		30
27	Requirements, Politics, or Individualism: What Drives the Success of COVID-19 Contact-Tracing Apps?. IEEE Software, 2021, 38, 7-12.	2.1	30
28	Teaching requirements elicitation interviews: an empirical study of learning from mistakes. Requirements Engineering, 2019, 24, 259-289.	2.1	29
29	Constructing a Catalogue of Conflicts among Non-functional Requirements. Communications in Computer and Information Science, 2011, , 31-44.	0.4	29
30	A situational method engineering approach to requirements elicitation workshops in the software development process. Software Process Improvement and Practice, 2006, 11, 451-464.	1.1	27
31	Adult learning in online communities of practice: A systematic review. British Journal of Educational Technology, 2021, 52, 1663-1694.	3.9	25
32	An ontological framework to manage the relative conflicts between security and usability requirements. , 2010, , .		23
33	Supporting traceability through affinity mining. , 2014, , .		22
34	Measuring the expressiveness of a constrained natural language: an empirical study. , 2005, , .		21
35	What makes service oriented requirements engineering challenging? A qualitative study. IET Software, 2014, 8, 154-160.	1.5	20
36	Sizing Use Cases: How to Create a Standard Metrical Approach. Lecture Notes in Computer Science, 2002, , 409-421.	1.0	19

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37	Using default reasoning to discover inconsistencies in natural language requirements. , 0, , .		17
38	Erratum to â€œOn the interplay between consistency, completeness, and correctness in requirements evolutionâ€• Information and Software Technology, 2004, 46, 763-779.	3.0	17
39	The impacts of non-functional requirements in web system projects. International Journal of Value Chain Management, 2008, 2, 18.	0.1	17
40	Systematic reviews in requirements engineering: A tertiary study. , 2014, , .		17
41	Learning from Mistakes: An Empirical Study of Elicitation Interviews Performed by Novices. , 2018, , .		17
42	SaPeer and ReverseSaPeer: teaching requirements elicitation interviews with role-playing and role reversal. Requirements Engineering, 2020, 25, 417-438.	2.1	17
43	Analysing user reviews of inquiry-based learning apps in science education. Computers and Education, 2021, 164, 104119.	5.1	17
44	A framework for reasoning about requirements evolution. Lecture Notes in Computer Science, 1996, , 157-168.	1.0	17
45	Behavior-Driven Requirements Traceability via Automated Acceptance Tests. , 2017, , .		16
46	Conflict characterization and Analysis of Non Functional Requirements: An experimental approach. , 2013, , .		15
47	Users' involvement in requirements engineering and system success. , 2013, , .		15
48	Utilizing TOPSIS: A Multi Criteria Decision Analysis Technique for Non-Functional Requirements Conflicts. Communications in Computer and Information Science, 2014, , 31-44.	0.4	15
49	Problems and challenges of user involvement in software development. , 2015, , .		15
50	A model for the implementation of software process improvement: a pilot study. , 2003, , .		14
51	Requirements Change: What's the Alternative?. , 2008, , .		14
52	Teaching Requirements Engineering to the Baháí Students in Iran who are Denied of Higher Education. , 2009, , .		13
53	A Model for the Implementation of Software Process Improvement: An Empirical Study. Lecture Notes in Computer Science, 2004, , 1-16.	1.0	12
54	Performing Projection in Problem Frames Using Scenarios. , 2009, , .		12

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55	Measuring the significance of inconsistency in the Viewpoints framework. Science of Computer Programming, 2013, 78, 1572-1599.	1.5	12
56	Empirical study of communication structures and barriers in geographically distributed teams. IET Software, 2016, 10, 147-153.	1.5	12
57	Alignment of Stakeholder Expectations about User Involvement in Agile Software Development. , 2017, , .		12
58	Data Completeness in Healthcare: A Literature Survey. Pacific Asia Journal of the Association for Information Systems, 0, , 75-100.	0.3	12
59	Software development as a design or a production project. Journal of Enterprise Information Management, 2007, 20, 70-82.	4.4	11
60	Interview Review: An Empirical Study on Detecting Ambiguities in Requirements Elicitation Interviews. Lecture Notes in Computer Science, 2018, , 101-118.	1.0	11
61	User Involvement in Software Development: The Good, the Bad, and the Ugly. IEEE Software, 2018, 35, 8-11.	2.1	11
62	How Much Authenticity can be Achieved in Software Engineering Project Based Courses?. , 2019, , .		11
63	Learning Requirements Elicitation Interviews with Role-Playing, Self-Assessment and Peer-Review. , 2019, , .		11
64	The Rise and Fall of COVID-19 Contact-Tracing Apps: when NFRs Collide with Pandemic. , 2021, , .		11
65	Interview Review: Detecting Latent Ambiguities to Improve the Requirements Elicitation Process. , 2017, , .		10
66	ELICA: An Automated Tool for Dynamic Extraction of Requirements Relevant Information. , 2018, , .		10
67	Organisational Readiness and Software Process Improvement. Lecture Notes in Computer Science, 2007, , 96-107.	1.0	9
68	Managing Requirements Change the Informal Way: When Saying â€˜Noâ€™ is Not an Option. , 2016, , .		9
69	Project Management Capability Levels: An Empirical Study. , 0, , .		8
70	Panel: Context-Dependent Evaluation of Tools for NL RE Tasks: Recall vs. Precision, and Beyond. , 2017, , .		8
71	An empirical study of the antecedents of data completeness in electronic medical records. International Journal of Information Management, 2020, 50, 155-170.	10.5	8
72	Feature Based Sentiment Analysis for Evaluating the Mobile Pedagogical Affordances of Apps. IFIP Advances in Information and Communication Technology, 2017, , 281-291.	0.5	8

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73	Implementing Software Process Improvement Initiatives: An Empirical Study. Lecture Notes in Computer Science, 2006, , 222-233.	1.0	7
74	A Priority-Based Negotiations Approach for Handling Inconsistencies in Multi-Perspective Software Requirements. Journal of Systems Science and Complexity, 2008, 21, 574-596.	1.6	7
75	Users' voice and service selection: An empirical study. , 2014, , .		7
76	Two Sides of the Same Coin. , 2018, , .		7
77	A Framework for the Elicitation and Analysis of Information Technology Service Requirements and Their Alignment with Enterprise Business Goals. , 2010, , .		6
78	Power and Politics of User Involvement in Software Development. , 2018, , .		6
79	Supporting Analysts by Dynamic Extraction and Classification of Requirements-Related Knowledge. , 2019, , .		6
80	An industrial experience in process improvement: an early assessment at the Australian Center for Unisys Software. , 0, , .		5
81	Efficacy of alternate day dosing of atorvastatin. Open Medicine (Poland), 2008, 3, 163-166.	0.6	5
82	How to Combine Requirements Engineering and Interaction Design?. , 2008, , .		5
83	Requirements Engineering Education and Training: Key Challenges and Practical Solutions. , 2009, , .		5
84	IoT Smart City Architectures: An Analytical Evaluation. , 2018, , .		5
85	Semi-Automated Extraction of New Requirements from Online Reviews for Software Product Evolution. , 2018, , .		5
86	"Affects" of User Involvement in Software Development. , 2018, , .		5
87	Requirements Engineering (RE) for Social Good: RE Cares [Requirements]. IEEE Software, 2019, 36, 86-94.	2.1	5
88	Inspectors Academy : Pedagogical Design for Requirements Inspection Training. , 2020, , .		5
89	Achieving Data Completeness in Electronic Medical Records: A Conceptual Model and Hypotheses Development. , 2018, , .		5
90	Ambiguity in Requirements Engineering: Towards a Unifying Framework. Lecture Notes in Computer Science, 2019, , 191-210.	1.0	5

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91	Machine Learning in Requirements Engineering: A Mapping Study. , 2021, , .		5
92	A model-driven approach to reengineering processes in cloud computing. Information and Software Technology, 2022, 144, 106795.	3.0	5
93	An Approach for Comparison of Architecture Level Change Impact Analysis Methods and Their Relevance in Web Systems Evolution. , 2009, , .		4
94	Optimal-Constraint Lexicons for Requirements Specifications. , 2007, , 203-217.		4
95	Mining Requirements Links. Lecture Notes in Computer Science, 2011, , 196-201.	1.0	4
96	A requirements engineering process model based on defaults and revisions. , 0, , .		3
97	Towards a Collaborative and Combinational Approach to Requirements Elicitation within a Systems Engineering Framework. , 0, , .		3
98	Three integration approaches for map and B-SCP requirements engineering techniques. , 2008, , .		3
99	rΣ: Automated reasoning tool for non-functional requirement goal models. , 2011, , .		3
100	Blockchain in Supply Chain Management: Australian Manufacturer Case Study. Lecture Notes in Business Information Processing, 2019, , 93-107.	0.8	3
101	A survey of issue resolution on the incremental refinement of the system scope in web system development. , 2006, , .		2
102	Problem frames and business strategy modelling. , 2008, , .		2
103	Software and the social production of disorder. , 2010, , .		2
104	An Automatic Reasoning Mechanism for NFR Goal Models. , 2011, , .		2
105	Automated Reasoning with Goal Tree Models for Software Quality Requirements. , 2012, , .		2
106	Automated Service Selection Using Natural Language Processing. Communications in Computer and Information Science, 2015, , 3-17.	0.4	2
107	Dynamic Visual Analytics for Elicitation Meetings with ELICA. , 2018, , .		2
108	Automating the Evaluation of Education Apps With App Store Data. IEEE Transactions on Learning Technologies, 2021, 14, 16-27.	2.2	2

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109	Empirical Evaluation of the Influence of EMR Alignment to Care Processes on Data Completeness. , 2020, , .		2
110	Report on the First International Workshop on Comparative Evaluation in Requirements Engineering. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2004, 29, 1-4.	0.5	1
111	Erratum to â€œOn the interplay between consistency, completeness, and correctness in requirements evolutionâ€•[Information and Software Technology 45 (2003) 993â€“1009]. Information and Software Technology, 2004, 46, 761.	3.0	1
112	An evolutionary model of requirements correctness with early aspects. , 2007, , .		1
113	Ten years of Australian workshop on requirements engineering. Requirements Engineering, 2007, 12, 125-125.	2.1	1
114	A Measurement-Driven Process Model for Managing Inconsistent Software Requirements. , 2008, , .		1
115	Industrial perspectives on architecture level change impact analysis in Web systems evolution. , 2009, , .		1
116	Software versus IT Service: A Comparative Study from Requirements Engineering Perspective. , 2011, , .		1
117	Towards understanding requirement evolution in a software product line an industrial case study. , 2012, , .		1
118	Implementation decision making for internetware driven by quality requirements. Science China Information Sciences, 2014, 57, 1-19.	2.7	1
119	Gender Disparity in the Governance of Software Engineering Conferences. , 2019, , .		1
120	Requirements Elicitation for Complex Systems. , 0, , 27-52.		1
121	Developing a requirements management toolset: lessons learned. , 2004, , .		0
122	Transforming the Requirements Engineering Classroom Experience. , 2008, , .		0
123	Ready-set-transfer! Technology transfer in the requirements engineering domain (panel). , 2014, , .		0
124	Introduction to the special issue of best papers from RE2015 conference. Requirements Engineering, 2016, 21, 309-310.	2.1	0
125	Knowledge Merging under Multiple Attributes. Lecture Notes in Computer Science, 2010, , 555-560.	1.0	0
126	MUSTER. Advances in Computational Intelligence and Robotics Book Series, 2010, , 146-165.	0.4	0

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127	EVALUATOR: An Automated Tool for Service Selection. Communications in Computer and Information Science, 2015, , 170-184.	0.4	0
128	Jonathan Paul Marshall, James Goodman, Didar Zowghi, and Francesca Da Rimini's Disorder and the Disinformation Society The Social Dynamics of Information Networks and Software. Social Transformations Journal of the Global South, 2017, 5, 89.	0.1	0
129	Applying Distributed Cognition Theory to Agile Requirements Engineering. Lecture Notes in Computer Science, 2020, , 186-202.	1.0	0
130	MUSTER. , 0, , 620-638.		0
131	Activity Diagram Synthesis Using Labelled Graphs and the Genetic Algorithm. Journal of Computer Science and Technology, 2021, 36, 1388-1406.	0.9	0