Robert L Nord

List of Publications by Year
in descending order

47 papers	1,758 citations	1040056 9 h-index	996975 15 g-index
52 all docs	52 docs citations	52 times ranked	851 citing authors

#	Article	IF	Citations
1	Technical Debt: From Metaphor to Theory and Practice. IEEE Software, 2012, 29, 18-21.	1.8	452
2	Managing technical debt in software-reliant systems. , 2010, , .		260
3	A general model of software architecture design derived from five industrial approaches. Journal of Systems and Software, 2007, 80, 106-126.	4.5	195
4	Measure it? Manage it? Ignore it? software practitioners and technical debt. , 2015, , .		156
5	In Search of a Metric for Managing Architectural Technical Debt. , 2012, , .		108
6	Software architecture in industrial applications. , 1995, , .		107
7	Technical debt. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2013, 38, 51-54.	0.7	64
8	Agile in Distress: Architecture to the Rescue. Lecture Notes in Business Information Processing, 2014, , 43-57.	1.0	27
9	Toward Design Decisions to Enable Deployability: Empirical Study of Three Projects Reaching for the Continuous Delivery Holy Grail. , 2014, , .		27
10	Making Architecture Visible to Improve Flow Management in Lean Software Development. IEEE Software, 2012, 29, 33-39.	1.8	22
11	Managing technical debt in software development. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2011, 36, 33-35.	0.7	21
12	Technical debt in software development. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2012, 37, 36-38.	0.7	21
13	Got technical debt?. , 2016, , .		21
14	Technical debt at the crossroads of research and practice. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2014, 39, 31-33.	0.7	19
15	Risk Themes Discovered through Architecture Evaluations. , 2007, , .		18
16	Analysis and Management of Architectural Dependencies in Iterative Release Planning. , 2011, , .		12
17	Analysis of architecture evaluation data. Journal of Systems and Software, 2008, 81, 1443-1455.	4.5	11
18	Technical Debt. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2016, 41, 38-41.	0.7	9

#	ARTICLE	IF	CITATIONS
19	Architectural dependency analysis to understand rework costs for safety-critical systems. , 2014, , .		8
20	Understanding the Context of Architecture Evaluation Methods. , 2012, , .		7
21	A study of enabling factors for rapid fielding combined practices to balance speed and stability. , 2013, , .		7
22	Elaboration on an integrated architecture and requirement practice: Prototyping with quality attribute focus. , 2013, , .		7
23	Quantifying software architecture quality report on the first international workshop on software architecture metrics. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2014, 39, 32-34.	0.7	7
24	The Need for a Multilevel Context-Aware Software Architecture Analysis and Design Method with Enterprise and System Architecture Concerns as First Class Entities. , 2011, , .		6
25	Second international workshop on managing technical debt. , 2011, , .		6
26	Hard choice: A game for balancing strategy for agility. , 2011, , .		5
27	4th International workshop on managing technical debt (MTD 2013). , 2013, , .		5
28	Evolutionary Improvements of Cross-Cutting Concerns: Performance in Practice. , 2014, , .		5
29	Capturing and Using Rationale for a Software Architecture. , 2006, , 255-272.		5
30	Reviewing architecture documents using question sets. , 2009, , .		4
31	Integrate End to End Early and Often. IEEE Software, 2013, 30, 9-14.	1.8	4
32	Optimization of Software Release Planning Considering Architectural Dependencies, Cost, and Value. IEEE Transactions on Software Engineering, 2022, 48, 1369-1384.	5.6	4
33	Enhancing the software architecture analysis and design process with inferred macro-architectural requirements. , 2012, , .		3
34	Understanding the role of constraints on architecturally significant requirements. , 2013, , .		3
35	Variations on Using Propagation Cost to Measure Architecture Modifiability Properties. , 2013, , .		3
36	Missed Architectural Dependencies: The Elephant in the Room. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
37	Ninth International Workshop on Managing Technical Debt. , 2017, , .		2
38	Managing Technical Debt in Database Normalization. IEEE Transactions on Software Engineering, 2020, , 1-1.	5.6	2
39	Architectural Dependency Analysis: Addressing the Elephant in the Room. Computer, 2021, 54, 73-78.	1.1	2
40	Probabilistic Macro-Architectural Decision Framework. , 2007, , .		1
41	Architecting with just enough information. , 2011, , .		0
42	Message from the MTD 2013 Workshop Chairs. , 2013, , .		0
43	Toward Simpler, not Simplistic, Quantification of Software Architecture and Metrics. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2015, 40, 43-46.	0.7	0
44	Technical Debt in Agile Development. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2017, 42, 18-21.	0.7	0
45	Can AI Close the Design-Code Abstraction Gap?. , 2019, , .		0
46	Architecture: Analysis. , 2010, , 61-73.		0
47	Industry's Cry for Tools that Support Large-Scale Refactoring. , 2022, , .		0