Joost Visser

List of Publications by Year
in descending order

80 papers	1,753 citations	759233 12 h-index	642732 23 g-index
82 all docs	82 docs citations	82 times ranked	948 citing authors

#	Article	IF	Citations
1	A Checklist for Explainable AI in the Insurance Domain. Communications in Computer and Information Science, 2021, , 446-456.	0.5	2
2	Practices for Engineering Trustworthy Machine Learning Applications. , 2021, , .		9
3	A Standard Driven Software Architecture for Fully Autonomous Vehicles. , 2018, , .		26
4	Tactical Safety Reasoning. A Case for Autonomous Vehicles.. , 2018, , .		5
5	How good is your puppet? An empirically defined and validated quality model for puppet. , 2018, , .		26
6	A Security Analysis of the ETSI ITS Vehicular Communications. Lecture Notes in Computer Science, 2018, , 365-373.	1.3	5
7	Semantic versioning and impact of breaking changes in the Maven repository. Journal of Systems and Software, 2017, 129, 140-158.	4.5	58
8	Towards a Benchmark for the Maintainability Evolution of Industrial Software Systems. , 2016, , .		5
9	Streaming software analytics. , 2016, , .		5
10	Measuring Dependency Freshness in Software Systems. , 2015, , .		50
11	An Empirical Study into Social Success Factors for Agile Software Development. , 2015, , .		12
12	Measuring and Monitoring Agile Development Status. , 2015, , .		8
13	Tracking known security vulnerabilities in proprietary software systems. , 2015, , .		45
14	Software risk management in practice: Shed light on your software product. , 2015, , .		1
15	Profiling energy profilers. , 2015, , .		11
16	Classification model for predicting cost slippage in governmental ICT projects. , 2015, , .		2
17	Quantifying the Encapsulation of Implemented Software Architectures. , 2014, , .		5
18	Semantic Versioning versus Breaking Changes: A Study of the Maven Repository. , 2014, , .		92

#	ARTICLE	IF	CITATIONS
19	Towards a catalog format for software metrics. , 2014, , .		10
20	Model-based programming environments for spreadsheets. Science of Computer Programming, 2014, 96, 254-275.	1.9	12
21	Test Code Quality and Its Relation to Issue Handling Performance. IEEE Transactions on Software Engineering, 2014, 40, 1100-1125.	5.6	84
22	Measuring the Degree of Service Orientation in Proprietary SOA Systems. , 2013, , .		3
23	Energy Efficiency Optimization of Application Software. Advances in Computers, 2013, 88, 199-241.	1.6	4
24	Detecting Cross-Language Dependencies Generically. , 2013, , .		4
25	Seflab: A lab for measuring software energy footprints. , 2013, , .		18
26	Evaluating usefulness of software metrics: An industrial experience report. , 2013, , .		17
27	A Practical Model for Rating Software Security. , 2013, , .		12
28	Software metrics: Pitfalls and best practices. , 2013, , .		0
29	Towards high performance software teamwork. , 2013, , .		3
30	Testing principles, current practices, and effects of change localization. , 2013, , .		2
31	The Maven repository dataset of metrics, changes, and dependencies. , 2013, , .		43
32	Energy-efficiency indicators for e-services. , 2013, , .		2
33	Getting what you measure. Communications of the ACM, 2012, 55, 54-59.	4.5	51
34	What is the value of your software?. , 2012, , .		12
35	Getting What You Measure. Queue, 2012, 10, 50-56.	1.1	2
36	The use of UML class diagrams and its effect on code change-proneness. , 2012, , .		7

#	Article	IF	Citations
37	Constraint-aware Schema Transformation. Electronic Notes in Theoretical Computer Science, 2012, 290, 3-18.	0.9	3
38	Measuring software library stability through historical version analysis. , 2012, , .		81
39	Issue handling performance in proprietary software projects. , 2012, , .		0
40	Automatic Event Detection for Software Product Quality Monitoring. , 2012, , .		1
41	Faster issue resolution with higher technical quality of software. Software Quality Journal, 2012, 20, 265-285.	2.2	24
42	Standardized code quality benchmarking for improving software maintainability. Software Quality Journal, 2012, 20, 287-307.	2.2	100
43	Detection of Seed Methods for Quantification of Feature Confinement. Lecture Notes in Computer Science, 2012, , 252-268.	1.3	1
44	Model-Based Programming Environments for Spreadsheets. Lecture Notes in Computer Science, 2012, , 117-133.	1.3	3
45	Quantifying the Analyzability of Software Architectures. , 2011, , .		38
46	Benchmark-Based Aggregation of Metrics to Ratings. , 2011, , .		30
47	Dependency profiles for software architecture evaluations. , 2011, , .		15
48	An empirical model of technical debt and interest. , 2011, , .		96
49	Transformation of structure-shy programs with application to XPath queries and strategic functions. Science of Computer Programming, 2011, 76, 516-539.	1.9	5
50	Type-Safe Evolution of Spreadsheets. Lecture Notes in Computer Science, 2011, , 186-201.	1.3	12
51	Deriving metric thresholds from benchmark data. , 2010, , .		148
52	Assessment of issue handling efficiency. , 2010, , .		9
53	A Cognitive Model for Software Architecture Complexity. , 2010, , .		3
54	From spreadsheets to relational databases and back. , 2009, , .		46

#	Article	IF	Citations
55	Discovery-based edit assistance for spreadsheets. , 2009, , .		20
56	Criteria for the evaluation of implemented architectures. , 2009, , .		6
57	A survey-based study of the mapping of system properties to ISO/IEC 9126 maintainability characteristics. , 2009, , .		18
58	3rd International Workshop on Software Quality and Maintainability. , 2009, , .		0
59	Static Estimation of Test Coverage. , 2009, , .		5
60	A Case Study in Grammar Engineering. Lecture Notes in Computer Science, 2009, , 285-304.	1.3	11
61	Coupled Transformation of Schemas, Documents, Queries, and Constraints. Electronic Notes in Theoretical Computer Science, 2008, 200, 3-23.	0.9	19
62	Interpretation of Source Code Clusters in Terms of the ISO/IEC-9126 Maintainability Characteristics. Software Maintenance and Reengineering (CSMR), Proceedings of the European Conference on, 2008, , .	0.0	13
63	Benchmarking Technical Quality of Software Products. , 2008, , .		16
64	Industrial Realities of Program Comprehension (IRPC 2008). , 2008, , .		0
65	Quality Assessment for Embedded SQL. , 2007, , .		15
66	A type-level approach to component prototyping. , 2007, , .		0
67	A Practical Model for Measuring Maintainability. , 2007, , .		156
68	Strongly Typed Rewriting For Coupled Software Transformation. Electronic Notes in Theoretical Computer Science, 2007, 174, 17-34.	0.9	17
69	Transformation of structure-shy programs. , 2007, , .		10
70	Type-Safe Two-Level Data Transformation. Lecture Notes in Computer Science, 2006, , 284-299.	1.3	20
71	Matching Objects Without Language Extension.. Journal of Object Technology, 2006, 5, 81.	0.9	5
72	Source model analysis using the JJTraveler visitor combinator framework. Software - Practice and Experience, 2004, 34, 1345-1379.	3.6	7

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73	Object-oriented tree traversal with JJForester. Science of Computer Programming, 2003, 47, 59-87.	1.9	7
74	A Strafunski Application Letter. Lecture Notes in Computer Science, 2003, , 357-375.	1.3	17
75	Typed Combinators for Generic Traversal. Lecture Notes in Computer Science, 2002, , 137-154.	1.3	23
76	Object-oriented Tree Traversal with JJForester. Electronic Notes in Theoretical Computer Science, 2001, 44, 34-58.	0.9	14
77	XT. Electronic Notes in Theoretical Computer Science, 2001, 44, 79-86.	0.9	9
78	Visitor combination and traversal control. ACM SIGPLAN Notices, 2001, 36, 270-282.	0.2	17
79	Visitor combination and traversal control. , 2001, , .		51
80	Grammars as Contracts. Lecture Notes in Computer Science, 2001, , 85-99.	1.3	9