

Miroslaw Staron

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6727104/publications.pdf>

Version: 2024-02-01

83
papers

1,185
citations

567281

15
h-index

526287

27
g-index

88
all docs

88
docs citations

88
times ranked

553
citing authors

#	ARTICLE	IF	CITATIONS
1	A framework for developing measurement systems and its industrial evaluation. Information and Software Technology, 2009, 51, 721-737.	4.4	73
2	Selecting software reliability growth models and improving their predictive accuracy using historical projects data. Journal of Systems and Software, 2014, 98, 59-78.	4.5	65
3	Empirical assessment of using stereotypes to improve comprehension of UML models: A set of experiments. Journal of Systems and Software, 2006, 79, 727-742.	4.5	59
4	Developing measurement systems: an industrial case study. Journal of Software: Evolution and Process, 2011, 23, 89-107.	1.1	58
5	Release Readiness Indicator for Mature Agile and Lean Software Development Projects. Lecture Notes in Business Information Processing, 2012, , 93-107.	1.0	48
6	Critical role of measures in decision processes: Managerial and technical measures in the context of large software development organizations. Information and Software Technology, 2012, 54, 887-899.	4.4	48
7	A method for forecasting defect backlog in large streamline software development projects and its industrial evaluation. Information and Software Technology, 2010, 52, 1069-1079.	4.4	47
8	Action Research in Software Engineering. , 2020, , .		47
9	Measuring and Visualizing Code Stability – A Case Study at Three Companies. , 2013, , .		45
10	Software traceability in the automotive domain: Challenges and solutions. Journal of Systems and Software, 2018, 141, 85-110.	4.5	39
11	Automotive Software Architectures. , 2017, , .		35
12	Software Development Measurement Programs. , 2018, , .		32
13	Identifying risky areas of software code in Agile/Lean software development: An industrial experience report. , 2014, , .		31
14	Evaluating code complexity triggers, use of complexity measures and the influence of code complexity on maintenance time. Empirical Software Engineering, 2017, 22, 3057-3087.	3.9	30
15	Analyzing defect inflow distribution and applying Bayesian inference method for software defect prediction in large software projects. Journal of Systems and Software, 2016, 117, 229-244.	4.5	29
16	Rendex: A method for automated reviews of textual requirements. Journal of Systems and Software, 2017, 131, 63-77.	4.5	29
17	Predicting weekly defect inflow in large software projects based on project planning and test status. Information and Software Technology, 2008, 50, 782-796.	4.4	27
18	Using machine learning to design a flexible LOC counter. , 2017, , .		26

#	ARTICLE	IF	CITATIONS
19	Supporting Continuous Integration by Code-Churn Based Test Selection. , 2015, , .		24
20	Supporting Software Decision Meetings: Heatmaps for Visualising Test and Code Measurements. , 2013, , .		22
21	A Light-Weight Defect Classification Scheme for Embedded Automotive Software and Its Initial Evaluation. , 2012, , .		20
22	MeSRAM – A method for assessing robustness of measurement programs in large software development organizations and its industrial evaluation. Journal of Systems and Software, 2016, 113, 76-100.	4.5	20
23	Assessing the impact of meta-model evolution: a measure and its automotive application. Software and Systems Modeling, 2019, 18, 1419-1445.	2.7	20
24	Mythical Unit Test Coverage. IEEE Software, 2018, 35, 73-79.	1.8	19
25	Using Models to Develop Measurement Systems: A Method and Its Industrial Use. Lecture Notes in Computer Science, 2009, , 212-226.	1.3	17
26	Cerebral ischemia detection using artificial intelligence (CIDAI) – A study protocol. Acta Anaesthesiologica Scandinavica, 2020, 64, 1335-1342.	1.6	17
27	Recognizing lines of code violating company-specific coding guidelines using machine learning. Empirical Software Engineering, 2020, 25, 220-265.	3.9	15
28	PHANTOM: Curating GitHub for engineered software projects using time-series clustering. Empirical Software Engineering, 2020, 25, 2897-2929.	3.9	15
29	A Framework for Adoption of Machine Learning in Industry for Software Defect Prediction. , 2014, , .		14
30	Evolution of Long-Term Industrial Meta-Models – An Automotive Case Study of AUTOSAR. , 2014, , .		13
31	Deep learning model for end-to-end approximation of COSMIC functional size based on use-case names. Information and Software Technology, 2020, 123, 106310.	4.4	13
32	Identifying Implicit Architectural Dependencies Using Measures of Source Code Change Waves. , 2013, , .		12
33	Machine learning analysis of heart rate variability to detect delayed cerebral ischemia in subarachnoid hemorrhage. Acta Neurologica Scandinavica, 2022, 145, 151-159.	2.1	12
34	An empirical assessment of using stereotypes to improve reading techniques in software inspections. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2005, 30, 1-7.	0.7	11
35	Artificial Intelligence for Decision-Makers. Journal of Emerging Technologies in Accounting, 2020, 17, 51-55.	1.7	10
36	Machine learning approach for quality assessment and prediction in large software organizations. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
37	MetricsCloud: Scaling-Up Metrics Dissemination in Large Organizations. <i>Advances in Software Engineering</i> , 2014, 2014, 1-12.	0.6	8
38	Validating software measures using action research a method and industrial experiences. , 2016, , .		8
39	Quantifying Long-Term Evolution of Industrial Meta-Models - A Case Study. , 2014, , .		7
40	Data veracity in intelligent transportation systems: The slippery road warning scenario. , 2016, , .		7
41	Industrial experiences from evolving measurement systems into self-healing systems for improved availability. <i>Software - Practice and Experience</i> , 2018, 48, 719-739.	3.6	7
42	Simsax: A measure of project similarity based on symbolic approximation method and software defect inflow. <i>Information and Software Technology</i> , 2019, 115, 131-147.	4.4	7
43	ARCA – Automated Analysis of AUTOSAR Meta-model Changes. , 2015, , .		6
44	Addressing the Need for Strict Meta-modeling in Practice - A Case Study of AUTOSAR. , 2016, , .		6
45	Identifying Optimal Sets of Standardized Architectural Features. , 2015, , .		5
46	Predicting and Evaluating Software Model Growth in the Automotive Industry. , 2017, , .		5
47	Improving test case selection by handling class and attribute noise. <i>Journal of Systems and Software</i> , 2022, 183, 111093.	4.5	5
48	A Complexity Measure for Textual Requirements. , 2016, , .		4
49	Using Machine Learning to Identify Code Fragments for Manual Review. , 2020, , .		4
50	Monitoring Evolution of Code Complexity and Magnitude of Changes. <i>Acta Cybernetica</i> , 2014, 21, 367-382.	0.6	4
51	Measurement and Impact Factors of Speed of Reviews and Integration in Continuous Software Engineering. <i>Foundations of Computing and Decision Sciences</i> , 2018, 43, 281-303.	1.2	4
52	Comparing between Maximum Likelihood Estimator and Non-linear Regression Estimation Procedures for NHPP Software Reliability Growth Modelling. , 2013, , .		3
53	Defining Technical Risks in Software Development. , 2014, , .		3
54	Classifying Obstructive and Nonobstructive Code Clones of Type I Using Simplified Classification Scheme: A Case Study. <i>Advances in Software Engineering</i> , 2015, 2015, 1-18.	0.6	3

#	ARTICLE	IF	CITATIONS
55	On the role of cross-disciplinary research and SSE in addressing the challenges of the digitalization of society. , 2015, , .		3
56	Identifying complex functions: By investigating various aspects of code complexity. , 2015, , .		3
57	Selective Regression Testing based on Big Data: Comparing Feature Extraction Techniques. , 2020, , .		3
58	Blockchain and Smart Contract Engineering. IEEE Software, 2020, 37, 94-96.	1.8	3
59	Estimating the Complexity of Architectural Design Decision Networks. IEEE Access, 2020, 8, 168558-168575.	4.2	3
60	Making Software Measurement Standards Understandable. , 2020, , .		3
61	Comparison of Model Size Predictors in Practice. , 2017, , .		2
62	Action Research in Software Engineering: Metricsâ€™ Research Perspective (Invited Talk). Lecture Notes in Computer Science, 2019, , 39-49.	1.3	2
63	Improving Defect Localization by Classifying the Affected Asset Using Machine Learning. Lecture Notes in Business Information Processing, 2019, , 106-122.	1.0	2
64	Robust Machine Learning in Critical Care â€™ Software Engineering and Medical Perspectives. , 2021, , .		2
65	Co-Evolution of Meta-Modeling Syntax and Informal Semantics in Domain-Specific Modeling Environments â€™ A Case Study of AUTOSAR. , 2017, , .		1
66	Mythical Unit Test Coverage. , 2019, , .		1
67	LegacyPro—A DNA-Inspired Method for Identifying Process Legacies in Software Development Organizations. IEEE Software, 2020, 37, 76-85.	1.8	1
68	A classification of code changes and test types dependencies for improving machine learning based test selection. , 2021, , .		1
69	MeTeaMâ€™A method for characterizing mature software metrics teams. Journal of Systems and Software, 2021, 180, 111006.	4.5	1
70	Measuring the Evolution of Meta-models - A Case Study of Modelica and UML Meta-models. , 2017, , .		1
71	Evaluation of Automotive Software Architectures. , 2017, , 151-177.		1
72	The Effect of Class Noise on Continuous Test Case Selection: A Controlled Experiment on Industrial Data. Lecture Notes in Computer Science, 2020, , 287-303.	1.3	1

#	ARTICLE	IF	CITATIONS
73	Automated Code Review Comment Classification to Improve Modern Code Reviews. Lecture Notes in Business Information Processing, 2022, , 23-40.	1.0	1
74	Guest editorial on special section: Automotive Software Architecture. Information and Software Technology, 2016, 73, 134-135.	4.4	0
75	Proactive reviews of textual requirements. , 2017, , .		0
76	Tooling in Measurement Programs. , 2018, , 117-163.		0
77	Improving Quality of Code Review Datasets â€œ Token-Based Feature Extraction Method. Lecture Notes in Business Information Processing, 2021, , 81-93.	1.0	0
78	Quality of Measurement Programs. , 2018, , 83-115.		0
79	Summary and Future Directions. , 2018, , 251-258.		0
80	Measurement Program. , 2018, , 47-82.		0
81	Maintaining and Evolving Measurement Programs. , 2018, , 225-250.		0
82	Reporting Action Research Studies. , 2020, , 191-213.		0
83	Evaluation of Automotive Software Architectures. , 2021, , 189-213.		0