

# James Miller

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/45649/publications.pdf>

Version: 2024-02-01

68  
papers

1,207  
citations

394390

19  
h-index

395678

33  
g-index

69  
all docs

69  
docs citations

69  
times ranked

871  
citing authors

#	ARTICLE	IF	CITATIONS
1	Applying meta-analytical procedures to software engineering experiments. Journal of Systems and Software, 2000, 54, 29-39.	4.5	116
2	Detecting visually similar Web pages. ACM Transactions on Internet Technology, 2010, 10, 1-38.	4.4	76
3	Practical assessment of the models for identification of defect-prone classes in object-oriented commercial systems using design metrics. Journal of Systems and Software, 2003, 65, 1-12.	4.5	64
4	Replicating software engineering experiments: a poisoned chalice or the Holy Grail. Information and Software Technology, 2005, 47, 233-244.	4.4	64
5	Multi-method research: An empirical investigation of object-oriented technology. Journal of Systems and Software, 1999, 48, 13-26.	4.5	56
6	Centroidal Voronoi Tessellations- A New Approach to Random Testing. IEEE Transactions on Software Engineering, 2013, 39, 163-183.	5.6	53
7	A Novel Evolutionary Approach for Adaptive Random Testing. IEEE Transactions on Reliability, 2009, 58, 619-633.	4.6	52
8	Empirical evaluation of optimization algorithms when used in goal-oriented automated test data generation techniques. Empirical Software Engineering, 2007, 12, 183-239.	3.9	50
9	Statistical power and its subcomponents – missing and misunderstood concepts in empirical software engineering research. Information and Software Technology, 1997, 39, 285-295.	4.4	48
10	Statistical significance testing – “a panacea for software technology experiments?”. Journal of Systems and Software, 2004, 73, 183-192.	4.5	46
11	Incorporating Spatial, Temporal, and Social Context in Recommendations for Location-Based Social Networks. IEEE Transactions on Computational Social Systems, 2016, 3, 164-175.	4.4	39
12	The kanban approach, between agility and leanness: a systematic review. Empirical Software Engineering, 2015, 20, 1861-1897.	3.9	37
13	A Survey and Analysis of the P3P Protocol's Agents, Adoption, Maintenance, and Future. IEEE Transactions on Dependable and Secure Computing, 2007, 4, 151-164.	5.4	32
14	Constructing high quality use case models: a systematic review of current practices. Requirements Engineering, 2012, 17, 187-201.	3.1	31
15	Improving the quality of use case models using antipatterns. Software and Systems Modeling, 2010, 9, 141-160.	2.7	25
16	A user-centric evaluation of the readability of privacy policies in popular web sites. Information Systems Frontiers, 2011, 13, 501-514.	6.4	24
17	Interpretable Deep Convolutional Fuzzy Classifier. IEEE Transactions on Fuzzy Systems, 2019, , 1-1.	9.8	23
18	A practical approach to testing GUI systems. Empirical Software Engineering, 2007, 12, 331-357.	3.9	22

#	ARTICLE	IF	CITATIONS
19	Multi-Project Management in Software Engineering Using Simulation Modelling. Software Quality Journal, 2004, 12, 59-82.	2.2	20
20	Waste identification and elimination in information technology organizations. Empirical Software Engineering, 2014, 19, 2019-2061.	3.9	19
21	Cookies. ACM Transactions on the Web, 2009, 3, 1-49.	2.5	17
22	A subject-based empirical evaluation of SSUCD™s performance in reducing inconsistencies in use case models. Empirical Software Engineering, 2009, 14, 477-512.	3.9	17
23	Producing robust use case diagrams via reverse engineering of use case descriptions. Software and Systems Modeling, 2007, 7, 67-83.	2.7	16
24	Triangulation as a basis for knowledge discovery in software engineering. Empirical Software Engineering, 2008, 13, 223-228.	3.9	15
25	Empirical observations on the session timeout threshold. Information Processing and Management, 2009, 45, 513-528.	8.6	15
26	A Fuzzy Recommender System for Public Library Catalogs. International Journal of Intelligent Systems, 2017, 32, 1062-1084.	5.7	15
27	Developing comprehensive acceptance tests from use cases and robustness diagrams. Requirements Engineering, 2010, 15, 285-306.	3.1	14
28	An empirical investigation into open source web applications™ implementation vulnerabilities. Empirical Software Engineering, 2010, 15, 556-576.	3.9	14
29	ADAMAS: Interweaving unicode and color to enhance CAPTCHA security. Future Generation Computer Systems, 2016, 55, 289-310.	7.5	14
30	Deficient documentation detection a methodology to locate deficient project documentation using topic analysis. , 2013, , .		13
31	Matching Antipatterns to Improve the Quality of Use Case Models. , 2006, , .		12
32	Another viewpoint on ‐evaluating web software reliability based on workload and failure data extracted from server logs‐. Empirical Software Engineering, 2009, 14, 371-396.	3.9	12
33	A Test-oriented Embedded System Production Methodology. Journal of Signal Processing Systems, 2009, 56, 69-89.	2.1	11
34	Automated cookie collection testing. ACM Transactions on Software Engineering and Methodology, 2014, 23, 1-40.	6.0	11
35	Multi-project software engineering analysis using systems thinking. Software Process Improvement and Practice, 2004, 9, 173-214.	1.1	10
36	Token-based graphical password authentication. International Journal of Information Security, 2011, 10, 321-336.	3.4	9

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37	An empirical investigation of Web session workloads: Can self-similarity be explained by deterministic chaos?. Information Processing and Management, 2014, 50, 41-53.	8.6	9
38	M-Learn: An end-to-end development framework for predictive models in B2B scenarios. Information and Software Technology, 2019, 113, 131-145.	4.4	8
39	ASSISTing Management Decisions in the Software Inspection Process. Information Technology and Management, 2002, 3, 67-83.	2.4	7
40	Identifying semantic blocks in Web pages using Gestalt laws of grouping. World Wide Web, 2016, 19, 957-978.	4.0	7
41	A comparative study of the performance of local feature-based pattern recognition algorithms. Pattern Analysis and Applications, 2017, 20, 1145-1156.	4.6	7
42	On the possibilities of (pseudo-) software cloning from external interactions. Soft Computing, 2007, 12, 29-49.	3.6	6
43	Integrative Double Kaizen Loop (IDKL): Towards a Culture of Continuous Learning and Sustainable Improvements for Software Organizations. IEEE Transactions on Software Engineering, 2019, 45, 1189-1210.	5.6	6
44	The current state of software license renewals in the I.T. industry. Information and Software Technology, 2019, 108, 139-152.	4.4	5
45	Asterisk. ACM/IMS Transactions on Data Science, 2020, 1, 1-25.	2.0	5
46	A Scalable Testing Framework for Location-Based Services. Journal of Computer Science and Technology, 2009, 24, 386-404.	1.5	4
47	Securing web-clients with instrumented code and dynamic runtime monitoring. Journal of Systems and Software, 2013, 86, 1689-1711.	4.5	4
48	Kaizen Cookbook: The Success Recipe for Continuous Learning and Improvements. , 2016, , .		4
49	Interpretation of Structural Preservation in Low-Dimensional Embeddings. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 2227-2240.	5.7	4
50	Semi-Supervised Ensemble Learning for Dealing with Inaccurate and Incomplete Supervision. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-33.	3.5	4
51	COTS acquisition process: incorporating business factors into COTS vendor evaluation taxonomies. Software Process Improvement and Practice, 2006, 11, 601-626.	1.1	3
52	VisExPreS: A Visual Interactive Toolkit for User-Driven Evaluations of Embeddings. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 2791-2807.	4.4	3
53	An investigation of implicit features in compression-based learning for comparing webpages. Pattern Analysis and Applications, 2016, 19, 397-410.	4.6	2
54	A Pure Visual Approach for Automatically Extracting and Aligning Structured Web Data. ACM Transactions on Internet Technology, 2019, 19, 1-26.	4.4	2

#	ARTICLE	IF	CITATIONS
55	Context-Based Evaluation of Dimensionality Reduction Algorithmsâ€™ Experiments and Statistical Significance Analysis. ACM Transactions on Knowledge Discovery From Data, 2021, 15, 1-40.	3.5	2
56	On Moving Test-Driven Development from the Business World into a Biomedical Engineering Environment. , 2007, , .		1
57	Empirical Knowledge Discovery by Triangulation in Computer Science. Advances in Computers, 2010, 80, 163-190.	1.6	1
58	Black-box tree test case generation through diversity. Automated Software Engineering, 2018, 25, 531-568.	2.9	1
59	Policy Generator (PG): A Heuristic-Based Fuzzer. , 2016, , .		0
60	Automated policy generation for testing access control software. Information Security Journal, 2017, 26, 17-38.	1.9	0
61	On the Concept of Automatic User Behavior Profiling of Websites. International Journal of Systems and Service-Oriented Engineering, 2017, 7, 1-20.	0.6	0
62	TabReformer: Unsupervised Representation Learning for Erroneous Data Detection. ACM/IMS Transactions on Data Science, 2021, 2, 1-29.	2.0	0
63	AIWAS. International Journal of Systems and Service-Oriented Engineering, 2012, 3, 73-91.	0.6	0
64	Embracing Composite Metrics in Software Experiments. Journal of Software, 2012, 7, .	0.6	0
65	Refactoring Flash Embedding Methods. International Journal of Systems and Service-Oriented Engineering, 2012, 3, 26-40.	0.6	0
66	Enhancing CAPTCHA Security Using Interactivity, Dynamism, and Mouse Movement Patterns. International Journal of Systems and Service-Oriented Engineering, 2016, 6, 17-36.	0.6	0
67	Towards Building a New Age Commercial Contextual Advertising System. International Journal of Systems and Service-Oriented Engineering, 2017, 7, 1-14.	0.6	0
68	Integrated-Block: A New Combination Model to Improve Web Page Segmentation. Journal of Web Engineering, 0, , .	0.7	0