Matthias Galster

List of Publications by Year
in descending order

24 papers	603 citations	1163117 8 h-index	1058476 14 g-index
25 all docs	25 docs citations	25 times ranked	489 citing authors

#	Article	IF	Citations
1	Variability in Software Systems—A Systematic Literature Review. IEEE Transactions on Software Engineering, 2014, 40, 282-306.	5.6	180
2	Variability in quality attributes of service-based software systems: A systematic literature review. Information and Software Technology, 2013, 55, 320-343.	4.4	66
3	Past and future of software architectural decisions – A systematic mapping study. Information and Software Technology, 2014, 56, 850-872.	4.4	64
4	Empirically-grounded reference architectures. , 2011, , .		48
5	A survey on quality attributes in service-based systems. Software Quality Journal, 2016, 24, 271-299.	2.2	33
6	Topic modeling in software engineering research. Empirical Software Engineering, 2021, 26, 1.	3.9	32
7	Architectural Knowledge for Technology Decisions in Developer Communities: An Exploratory Study with StackOverflow. , 2016, , .		26
8	Variability in software architecture. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2011, 36, 30-32.	0.7	22
9	Constraints for the design of variability-intensive service-oriented reference architectures – An industrial case study. Information and Software Technology, 2013, 55, 428-441.	4.4	22
10	Handling Variability in Software Architecture: Problems and Implications. , 2011, , .		16
11	Improving the Search for Architecture Knowledge in Online Developer Communities. , 2018, , .		14
12	Developing an Ontology for Architecture Knowledge from Developer Communities. , 2017, , .		13
13	Can Latent Topics in Source Code Predict Missing Architectural Tactics?. , 2017, , .		11
14	A Business-Goal-Service-Capability Graph for the Alignment of Requirements and Services. , 2008, , .		10
15	Empirical Research in Software Architecture: How Far have We Come?. , 2016, , .		9
16	An industrial case study on variability handling in large enterprise software systems. Information and Software Technology, 2015, 60, 16-31.	4.4	8
17	Understanding students' software development projects: Effort, performance, satisfaction, skills and their relation to the adequacy of outcomes developed. Journal of Systems and Software, 2022, 186, 111156.	4.5	7
18	A Three-Year Study on Peer Evaluation in a Software Engineering Project Course. IEEE Transactions on Education, 2022, 65, 409-418.	2.4	6

#	Article	IF	Citations
19	The Role of Quality Attributes in Service-Based Systems Architecting: A Survey. Lecture Notes in Computer Science, 2013, , 200-207.	1.3	4
20	Software Reference Architectures. , 2015, , .		3
21	Architecting for Variability in Quality Attributes of Software Systems. , 2015, , .		2
22	An Exploratory Study on Architectural Knowledge in Issue Tracking Systems. Lecture Notes in Computer Science, 2021, , 117-133.	1.3	1
23	A qualitative analysis of themes in instant messaging communication of software developers. Journal of Systems and Software, 2022, 192, 111397.	4.5	1
24	Comparison Framework for Team-Based Communication Channels. Lecture Notes in Computer Science, 2019, , 315-322.	1.3	0