Barbara Russo

List of Publications by Year
in descending order

86 papers	1,480 citations	567281 15 h-index	477307 29 g-index
91 all docs	91 docs citations	91 times ranked	1102 citing authors

#	Article	IF	Citations
1	Automated test-based learning and verification of performance models for microservices systems. Journal of Systems and Software, 2022, 187, 111225.	4.5	6
2	Modeling Performance of Microservices Systems with Growth Theory. Empirical Software Engineering, 2022, 27, 39.	3.9	5
3	Risk-Driven Compliance Assurance for Collaborative AI Systems: A Vision Paper. Lecture Notes in Computer Science, 2021, , 123-130.	1.3	8
4	PPTAMÎ»: What, Where, and How of Cross-domain Scalability Assessment. , 2021, , .		7
5	A Multivariate Characterization and Detection of Software Performance Antipatterns. , 2021, , .		7
6	Towards Risk Modeling for Collaborative AI. , 2021, , .		5
7	Industrial control via application containers: Maintaining determinism in IAAS. Systems Engineering, 2021, 24, 352-368.	2.7	2
8	IEC 61131-3 Software Testing: A Portable Solution for Native Applications. IEEE Transactions on Industrial Informatics, 2020, 16, 3942-3951.	11.3	6
9	ODRE Workshop: Probabilistic Dynamic Hard Real-Time Scheduling in HPC. , 2020, , .		4
10	Improving Predictability of User-Affecting Metrics to Support Anomaly Detection in Cloud Services. IEEE Access, 2020, 8, 198152-198167.	4.2	1
11	Scalability Assessment of Microservice Architecture Deployment Configurations: A Domain-based Approach Leveraging Operational Profiles and Load Tests. Journal of Systems and Software, 2020, 165, 110564.	4.5	31
12	Model-Based Testing Under Parametric Variability of Uncertain Beliefs. Lecture Notes in Computer Science, 2020, , 175-192.	1.3	3
13	Domain Metric Driven Decomposition of Data-Intensive Applications. , 2020, , .		5
14	Log mining to re-construct system behavior: An exploratory study on a large telescope system. Information and Software Technology, 2019, 114, 121-136.	4.4	10
15	PPTAM. , 2019, , .		10
16	Industrial Control via Application Containers: Migrating from Bare-Metal to IAAS. , 2019, , .		13
17	Automatic Performance Monitoring and Regression Testing During the Transition from Monolith to Microservices. , 2019, , .		16
18	Listening to the Crowd for the Release Planning of Mobile Apps. IEEE Transactions on Software Engineering, 2019, 45, 68-86.	5.6	48

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19	Utilidad de las imÃ¡genes hÃbridas SPECT/TC en el infarto Ã³seo. ReumatologÃa ClÃnica, 2019, 15, e136-e137.	0.5	1
20	Automatic Identification and Classification of Software Development Video Tutorial Fragments. IEEE Transactions on Software Engineering, 2019, 45, 464-488.	5.6	32
21	Cloud Computing and the New EU General Data Protection Regulation. IEEE Cloud Computing, 2018, 5, 58-68.	3.9	19
22	Profiling call changes via motif mining. , 2018, , .		3
23	A Quantitative Approach for the Assessment of Microservice Architecture Deployment Alternatives by Automated Performance Testing. Lecture Notes in Computer Science, 2018, , 159-174.	1.3	22
24	Patterns of developers behaviour: A 1000-hour industrial study. Journal of Systems and Software, 2017, 132, 85-97.	4.5	19
25	What if I Had No Smells?. , 2017, , .		16
26	Mining Logs to Model the Use of a System. , 2017, , .		10
27	Using Cohesion and Coupling for Software Remodularization. ACM Transactions on Software Engineering and Methodology, 2016, 25, 1-28.	6.0	65
28	Release planning of mobile apps based on user reviews. , 2016, , .		172
29	CodeTube. , 2016, , .		29
30	A large-scale empirical study on self-admitted technical debt. , 2016, , .		68
31	Too long; didn't watch!. , 2016, , .		46
32	Four eyes are better than two: On the impact of code reviews on software quality. , 2015, , .		52
33	Query-based configuration of text retrieval solutions for software engineering tasks. , 2015, , .		34
34	Mining system logs to learn error predictors: a case study of a telemetry system. Empirical Software Engineering, 2015, 20, 879-927.	3.9	20
35	Impact of obesity and acquisition protocol on (123)I-metaiodobenzylguanidine indexes of cardiac sympathetic innervation. Quantitative Imaging in Medicine and Surgery, 2015, 5, 822-8.	2.0	15
36	What can changes tell about software processes?. , 2014, , .		2

#	Article	IF	Citations
37	Evolution of design patterns. , 2014, , .		0
38	A proposed method to evaluate and compare fault predictions across studies. , 2014, , .		2
39	Parametric classification over multiple samples. , 2013, , .		2
40	Commit graphs. , 2013, , .		1
41	Evolution of features and their dependencies - an explorative study in OSS. , 2012, , .		2
42	Characterizing the roles of classes and their fault-proneness through change metrics. , 2012, , .		1
43	Adoption of free/libre open source software in public organizations: factors of impact. Information Technology and People, 2012, 25, 156-187.	3.2	66
44	Co-evolution of logical couplings and commits for defect estimation. , 2012, , .		11
45	Knowledge transfer in system modeling and its realization through an optimal allocation of information granularity. Applied Soft Computing Journal, 2012, 12, 1985-1995.	7.2	64
46	Measuring Architectural Change for Defect Estimation and Localization. , 2011, , .		6
47	Path dependent stochastic models to detect planned and actual technology use: A case study of OpenOffice. Information and Software Technology, 2011, 53, 1209-1226.	4.4	1
48	Spatial and temporal effects of soil temperature and moisture and the relation to fine root density on root and soil respiration in a mature apple orchard. Plant and Soil, 2011, 342, 195-206.	3.7	66
49	A model of job satisfaction for collaborative development processes. Journal of Systems and Software, 2011, 84, 739-752.	4.5	50
50	Report of the 4th international symposium on empirical software engineering and measurement ESEM 2010. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2011, 36, 28-34.	0.7	0
51	Building Knowledge in Open Source Software Research in Six Years of Conferences. International Federation for Information Processing, 2011, , 123-141.	0.4	8
52	Adoption of Open Standards in Massachusetts. , 2011, , 85-102.		0
53	Hibernia Hospital. , 2011, , 25-42.		1
54	A Framework for Investigating OSS Adoption. , 2011, , 13-24.		0

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55	The Italian Chamber of Deputies. , 2011, , 103-120.		0
56	FUNDECYT in Extremadura. , 2011, , 67-84.		0
57	Comparing the Case Studies. , 2011, , 121-142.		0
58	Background and Definitions. , 2011, , 1-12.		0
59	Modelling Failures Occurrences of Open Source Software with Reliability Growth. International Federation for Information Processing, 2010, , 268-280.	0.4	42
60	Download Patterns and Releases in Open Source Software Projects: A Perfect Symbiosis?. International Federation for Information Processing, 2010, , 252-267.	0.4	1
61	A Cost Model of Open Source Software Adoption. International Journal of Open Source Software and Processes, 2009, 1, 60-82.	0.6	5
62	The use of empirical methods in Open Source Software research: Facts, trends and future directions. , 2009, , .		15
63	ERP Systems Development: Enhancing Organization's Strategic Control through Monitoring Agents. , 2009, , .		3
64	Analysis of Open Source Software Development Iterations by Means of Burst Detection Techniques. IFIP Advances in Information and Communication Technology, 2009, , 83-93.	0.7	15
65	A Cost Model of Open Source Software Adoption. , 2009, , 396-418.		3
66	Developing Business Process Monitoring Probes to Enhance Organization Control. Lecture Notes in Business Information Processing, 2009, , 456-466.	1.0	1
67	Designing and Developing Monitoring Agents for ERP Systems. Lecture Notes in Business Information Processing, 2009, , 240-251.	1.0	0
68	Analysis about the Diffusion of Data Standards inside European Public Organizations. , 2008, , .		2
69	Empirical analysis on the correlation between GCC compiler warnings and revision numbers of source files in five industrial software projects. Empirical Software Engineering, 2007, 12, 295-310.	3.9	5
70	A model of the dynamics of the market of COTS software, in the absence of new entrants. Information Systems Frontiers, 2007, 9, 257-265.	6.4	3
71	Open Source Software and Open Data Standards as a form of Technology Adoption: a Case Study. , 2007, , 325-330.		4
72	Evaluation of a Migration to Open Source Software. , 2007, , 309-326.		4

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73	Open Source Software Migration in Integrated Information Systems in Public Sector. , 2006, , 683-689.		1
74	Early estimation of software size in object-oriented environments a case study in a CMM level 3 software firm. Information Sciences, 2006, 176, 475-489.	6.9	42
75	Identification of defect-prone classes in telecommunication software systems using design metrics. Information Sciences, 2006, 176, 3711-3734.	6.9	72
76	COSPA (consortium for studying, evaluating, and supporting the introduction of open source) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622		0
77	An Empirical Exploration of the Distributions of the Chidamber and Kemerer Object-Oriented Metrics Suite. Empirical Software Engineering, 2005, 10, 81-104.	3.9	51
78	On the Transition to an Open Source Solution for Desktop Office Automation. Lecture Notes in Computer Science, 2005, , 277-285.	1.3	3
79	Deploying, updating, and managing tools for collecting software metrics. , 2004, , .		1
80	An Investigation on the Occurrence of Service Requests in Commercial Software Applications. Empirical Software Engineering, 2003, 8, 197-215.	3.9	13
81	An Empirical Analysis on the Discontinuous Use of Pair Programming. Lecture Notes in Computer Science, 2003, , 205-214.	1.3	4
82	Families of Maximal Subbundles of Stable Vector Bundles on Curves. Rocky Mountain Journal of Mathematics, 2001, 31, 1141.	0.4	1
83	Exact Sequences of Semistable Vector Bundles on Algebraic Curves. Bulletin of the London Mathematical Society, 2000, 32, 537-546.	0.8	6
84	Exact Sequence of Stable Vector Bundles on Projective Curves. Mathematische Nachrichten, 1998, 194, 5-11.	0.8	6
85	On the ganeral osculationg flag to a projective curve in characterisricp. Communications in Algebra, 1992, 20, 3729-3740.	0.6	0
86	Managing Uncertainty in Requirements: A Survey in Documentation-Driven and Agile Companies. , 0, , .		29