Danilo Caivano

List of Publications by Year in descending order

68 papers	1,133 citations	471061 17 h-index	476904 29 g-index
71 all docs	71 docs citations	71 times ranked	818 citing authors

#	Article	IF	Citations
1	Affective reactions and test-driven development: Results from three experiments and a survey. Journal of Systems and Software, 2022, 185, 111154.	3.3	3
2	ArchiRevâ€"Reverse engineering of information systems toward ArchiMate models. An industrial case study. Journal of Software: Evolution and Process, 2021, 33, e2314.	1.2	5
3	Classification of Cardiac Tones of Mechanical and Native Mitral Valves. Lecture Notes in Electrical Engineering, 2021, , 211-222.	0.3	1
4	Integrating Security and Privacy in HCD-Scrum. , 2021, , .		3
5	Towards the Detection of UX Smells: The Support of Visualizations. IEEE Access, 2020, 8, 6901-6914.	2.6	7
6	Design and Execution of Integrated Clinical Pathway: A Simplified Meta-Model and Associated Methodology. Information (Switzerland), 2020, 11, 362.	1.7	7
7	A Systematic Mapping Study on Research in Anemia Assessment with Non-Invasive Devices. Applied Sciences (Switzerland), 2020, 10, 4804.	1.3	14
8	Intrusion Detection for in-Vehicle Communication Networks: An Unsupervised Kohonen SOM Approach. Future Internet, 2020, 12, 119.	2.4	50
9	A Kohonen SOM Architecture for Intrusion Detection on In-Vehicle Communication Networks. Applied Sciences (Switzerland), 2020, 10, 5062.	1.3	24
10	Managing a Smart City Integrated Model through Smart Program Management. Applied Sciences (Switzerland), 2020, 10, 714.	1.3	29
11	Integrating security and privacy in software development. Software Quality Journal, 2020, 28, 987-1018.	1.4	18
12	BPMN Extensions and Semantic Annotation in Public Administration Service Design. Lecture Notes in Computer Science, 2020, , 118-129.	1.0	6
13	A Visual Tool for Supporting Decision-Making in Privacy Oriented Software Development. , 2020, , .		8
14	Results from a Replicated Experiment on the Affective Reactions of Novice Developers When Applying Test-Driven Development. Lecture Notes in Business Information Processing, 2020, , 223-239.	0.8	0
15	RhinoSmart: a smartphone based system for rhino-cell segmentation. , 2020, , .		0
16	Detecting Clinical Signs of Anaemia From Digital Images of the Palpebral Conjunctiva. IEEE Access, 2019, 7, 113488-113498.	2.6	30
17	CRISPRLearner: A Deep Learning-Based System to Predict CRISPR/Cas9 sgRNA On-Target Cleavage Efficiency. Electronics (Switzerland), 2019, 8, 1478.	1.8	18
18	Towards a Model to Address the Interplay Between IoT Applications and Users in Complex Heterogeneous Contexts. Lecture Notes in Computer Science, 2019, , 283-293.	1.0	2

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19	Privacy Oriented Software Development. Communications in Computer and Information Science, 2019, , 18-32.	0.4	15
20	An Empirical Assessment on Affective Reactions of Novice Developers When Applying Test-Driven Development. Lecture Notes in Computer Science, 2019, , 3-19.	1.0	4
21	Cloud Computing for Education: A Systematic Mapping Study. IEEE Transactions on Education, 2018, 61, 234-244.	2.0	54
22	A longitudinal cohort study on the retainment of test-driven development. , 2018, , .		10
23	Smart Program Management in a Smart City. , 2018, , .		8
24	A New Method and a Non-Invasive Device to Estimate Anemia Based on Digital Images of the Conjunctiva. IEEE Access, 2018, 6, 46968-46975.	2.6	58
25	Supporting end users to control their smart home: design implications from a literature review and an empirical investigation. Journal of Systems and Software, 2018, 144, 295-313.	3.3	57
26	WiP: A Model for Assessing IoT Devices. , 2018, , .		1
27	Towards an IoT model for the assessment of smart devices. , 2018, , .		6
28	Artifact-based vs. human-perceived understandability and modifiability of refactored business processes: An experiment. Journal of Systems and Software, 2018, 144, 143-164.	3.3	13
29	Rhino-Cyt: A System for Supporting the Rhinologist in the Analysis of Nasal Cytology. Lecture Notes in Computer Science, 2018, , 619-630.	1.0	17
30	Integrating a SCRUM-Based Process with Human Centred Design: An Experience from an Action Research Study. , 2017, , .		9
31	Ransomware at X-Rays. , 2017, , .		4
32	Assessment of Speech Intelligibility in Parkinsonâ€™s Disease Using a Speech-To-Text System. IEEE Access, 2017, 5, 22199-22208.	2.6	68
33	Integration of Human-Centred Design and Agile Software Development Practices: Experience Report from a SME. Human-computer Interaction Series, 2016, , 117-135.	0.4	3
34	VoxTester, software for digital evaluation of speech changes in Parkinson disease. , 2016, , .		24
35	Does the level of detail of UML diagrams affect the maintainability of source code?: a family of experiments. Empirical Software Engineering, 2016, 21, 212-259.	3.0	30
36	Human Factors in Software Development Processes: Measuring System Quality. Lecture Notes in Computer Science, 2016, , 691-696.	1.0	0

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37	On the use of UML documentation in software maintenance: Results from a survey in industry. , 2015, , .		19
38	Are Forward Designed or Reverse-Engineered UML diagrams more helpful for code maintenance?: A family of experiments. Information and Software Technology, 2015, 57, 644-663.	3.0	29
39	Ontology-based similarity applied to business process clustering. Journal of Software: Evolution and Process, 2014, 26, 1128-1149.	1.2	4
40	The patient centered Electronic Multimedia Health Fascicle - EMHF. , 2014, , .		22
41	Investigating and promoting UX practice in industry: An experimental study. International Journal of Human Computer Studies, 2014, 72, 542-551.	3.7	89
42	Experience Formalized as a Service for Geographical and Temporal Remote Collaboration. , 2014, , .		1
43	Human-Centered Design in Industry: Lessons from the Trenches. Computer, 2014, 47, 86-89.	1.2	7
44	Automated generation of test oracles using a model-driven approach. Information and Software Technology, 2013, 55, 301-319.	3.0	25
45	Empirical studies for innovation dissemination. , 2013, , .		19
46	Model-Driven Test Code Generation. Communications in Computer and Information Science, 2013, , 155-168.	0.4	5
47	Driving flexibility and consistency of business processes by means of product-line engineering and decision tables. , 2012, , .		5
48	Model Based Testing in Software Product Lines. Lecture Notes in Business Information Processing, 2012, , 270-283.	0.8	0
49	Harmonization of ISO/IEC 9001:2000 and CMMI-DEV: from a theoretical comparison to a real case application. Software Quality Journal, 2012, 20, 309-335.	1.4	35
50	Business Process Lines and Decision Tables Driving Flexibility by Selection. Lecture Notes in Computer Science, 2012, , 178-193.	1.0	8
51	Assessing the influence of stereotypes on the comprehension of UML sequence diagrams: A family of experiments. Information and Software Technology, 2011, 53, 1391-1403.	3.0	25
52	A Strategy for Painless Harmonization of Quality Standards: A Real Case. Lecture Notes in Computer Science, 2010, , 395-408.	1.0	10
53	Mapping Software Acquisition Practices from ISO 12207 and CMMI. Communications in Computer and Information Science, 2010, , 234-247.	0.4	6
54	The Role of Empirical Evidence for Transferring a New Technology to Industry. Lecture Notes in Business Information Processing, 2009, , 111-125.	0.8	1

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55	Prediction Models for BPMN Usability and Maintainability. , 2009, , .		22
56	Statistically Based Process Monitoring: Lessons from the Trench. Lecture Notes in Computer Science, 2009, , 11-23.	1.0	3
57	Empirical Investigation of the Efficacy and Efficiency of Tools for Transferring Software Engineering Knowledge. Journal of Information and Knowledge Management, 2008, 07, 197-207.	0.8	19
58	Statistical process control for software. , 2008, , .		15
59	Does the use of stereotypes improve the comprehension of UML sequence diagrams?. , 2008, , .		5
60	A Hands-On Approach for Teaching Systematic Review. Lecture Notes in Computer Science, 2008, , 415-426.	1.0	6
61	Assessing the Influence of Stereotypes on the Comprehension of UML Sequence Diagrams: A Controlled Experiment. Lecture Notes in Computer Science, 2008, , 280-294.	1.0	15
62	A maintenance oriented Framework for software components characterization. , 2007, , .		5
63	SPEED: Software Project Effort Evaluator based on Dynamic-calibration. Conference on Software Maintenance, Proceedings of the, 2006, , .	0.0	2
64	Assessing multiview framework (MF) comprehensibility and efficiency: A replicated experiment. Information and Software Technology, 2006, 48, 313-322.	3.0	6
65	Multiview Framework for Goal Oriented Measurement Plan Design. Lecture Notes in Computer Science, 2004, , 159-173.	1.0	10
66	Managing Software Process Improvement (SPI) through Statistical Process Control (SPC). Lecture Notes in Computer Science, 2004, , 30-46.	1.0	19
67	Iterative reengineering of legacy systems. IEEE Transactions on Software Engineering, 2003, 29, 225-241.	4.3	71
68	COTS Products Characterization: Proposal and Empirical Assessment. Lecture Notes in Computer Science, 2003, , 233-255.	1.0	7