

Daniel Rodriguez

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82

papers

1,454

citations

18

h-index

36

g-index

93

ext. papers

1,889

ext. citations

3.6

avg, IF

5.34

L-index

#	Paper	IF	Citations
82	Hybrid Blockchain Platforms for the Internet of Things (IoT): A Systematic Literature Review.. <i>Sensors</i> , 2022 , 22,	3.8	9
81	Machine Learning-Based Software Defect Prediction for Mobile Applications: A Systematic Literature Review.. <i>Sensors</i> , 2022 , 22,	3.8	3
80	Smart Warehouses: Rationale, Challenges and Solution Directions. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 219	2.6	5
79	RESTful API Testing Methodologies: Rationale, Challenges, and Solution Directions. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 4369	2.6	1
78	Techniques for Calculating Software Product Metrics Threshold Values: A Systematic Mapping Study. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11377	2.6	1
77	Malware Detection Based on Graph Attention Networks for Intelligent Transportation Systems. <i>Electronics (Switzerland)</i> , 2021 , 10, 2534	2.6	5
76	Energy Load Forecasting Using a Dual-Stage Attention-Based Recurrent Neural Network. <i>Sensors</i> , 2021 , 21,	3.8	2
75	Systematic reviews in sentiment analysis: a tertiary study. <i>Artificial Intelligence Review</i> , 2021 , 54, 4997-5053	5.3	24
74	Precision nutrition: A systematic literature review. <i>Computers in Biology and Medicine</i> , 2021 , 133, 1043657		19
73	Design of a Data Management Reference Architecture for Sustainable Agriculture. <i>Sustainability</i> , 2021 , 13, 7309	3.6	2
72	Designing a reference architecture for health information systems. <i>BMC Medical Informatics and Decision Making</i> , 2021 , 21, 210	3.6	0
71	A hybrid DNN-LSTM model for detecting phishing URLs. <i>Neural Computing and Applications</i> , 2021 , 1-17	4.8	10
70	A Firewall Policy Anomaly Detection Framework for Reliable Network Security. <i>IEEE Transactions on Reliability</i> , 2021 , 1-9	4.6	4
69	Remaining Useful Life (RUL) Prediction of Equipment in Production Lines Using Artificial Neural Networks. <i>Sensors</i> , 2021 , 21,	3.8	15
68	Merge Nondominated Sorting Algorithm for Many-Objective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	4
67	Evaluation of augmented reality technology for the design of an evacuation training game. <i>Virtual Reality</i> , 2020 , 24, 359-368	6	9
66	Aligning software engineering education with industrial needs: A meta-analysis. <i>Journal of Systems and Software</i> , 2019 , 156, 65-83	3.3	17

65	Design of a TTC Antenna Using Simulation and Multiobjective Evolutionary Algorithms. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2019 , 34, 18-31	2.4	
64	Distributed correlation-based feature selection in spark. <i>Information Sciences</i> , 2019 , 496, 287-299	7.7	18
63	Empirical analysis of change metrics for software fault prediction. <i>Computers and Electrical Engineering</i> , 2018 , 67, 15-24	4.3	40
62	ON-SMMILE: Ontology Network-based Student Model for Multiple Learning Environments. <i>Data and Knowledge Engineering</i> , 2018 , 115, 48-67	1.5	9
61	Distributed ReliefF-based feature selection in Spark. <i>Knowledge and Information Systems</i> , 2018 , 57, 1-20	2.4	39
60	Automatic energy expenditure measurement for health science. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 157, 31-37	6.9	3
59	Multiobjective Testing Resource Allocation Under Uncertainty. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 347-362	15.6	9
58	A data mining approach for global burned area mapping. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018 , 73, 39-51	7.3	27
57	Two datasets of defect reports labeled by a crowd of annotators of unknown reliability. <i>Data in Brief</i> , 2018 , 18, 840-845	1.2	2
56	Competence-based recommender systems: a systematic literature review. <i>Behaviour and Information Technology</i> , 2018 , 37, 958-977	2.4	6
55	Learning to classify software defects from crowds: A novel approach. <i>Applied Soft Computing Journal</i> , 2018 , 62, 579-591	7.5	14
54	Using simulation-based optimization in the context of IT service management change process. <i>Decision Support Systems</i> , 2018 , 112, 35-47	5.6	9
53	Machine Learning Approach to Detect Falls on Elderly People Using Sound. <i>Lecture Notes in Computer Science</i> , 2017 , 149-159	0.9	7
52	Ontology-Based CMS News Authoring Environment 2017 ,		1
51	Preliminary Study on Applying Semi-Supervised Learning to App Store Analysis 2017 ,		3
50	Using Simulation and the NSGA-II Evolutionary Multi-Objective Algorithm in the Design of a Compact Dual-Band Equatorial Helix Antenna 2017 ,		2
49	Automatically Classifying Requirements from App Stores: A Preliminary Study 2017 ,		10
48	Triaxial Accelerometer Located on the Wrist for Elderly People's Fall Detection. <i>Lecture Notes in Computer Science</i> , 2016 , 523-532	0.9	3

47	Designing an ontology-based Zika virus news authoring environment for the semantic web 2016 ,		2
46	Evaluation of estimation models using the Minimum Interval of Equivalence. <i>Applied Soft Computing Journal</i> , 2016 , 49, 956-967	7.5	5
45	Bayesian concepts in software testing: an initial review 2015 ,		7
44	Preliminary comparison of techniques for dealing with imbalance in software defect prediction 2014 ,		52
43	Analysis of customer satisfaction using surveys with open questions. <i>DYNA (Colombia)</i> , 2014 , 81, 92-99	0.6	
42	A study of subgroup discovery approaches for defect prediction. <i>Information and Software Technology</i> , 2013 , 55, 1810-1822	3.4	24
41	The evolution of the laws of software evolution. <i>ACM Computing Surveys</i> , 2013 , 46, 1-28	13.4	30
40	Searching for rules to detect defective modules: A subgroup discovery approach. <i>Information Sciences</i> , 2012 , 191, 14-30	7.7	40
39	Empirical findings on ontology metrics. <i>Expert Systems With Applications</i> , 2012 , 39, 6706-6711	7.8	20
38	Empirical findings on team size and productivity in software development. <i>Journal of Systems and Software</i> , 2012 , 85, 562-570	3.3	77
37	On software engineering repositories and their open problems 2012 ,		15
36	Report from the first international workshop on realizing artificial intelligence synergies in software engineering (RAISE 2012). <i>Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM</i> , 2012 , 37, 34-35	0.4	1
35	On the statistical distribution of object-oriented system properties 2012 ,		5
34	Practical development of an Eclipse-based software fault prediction tool using Naive Bayes algorithm. <i>Expert Systems With Applications</i> , 2011 , 38, 2347-2353	7.8	60
33	Software fault prediction: A literature review and current trends. <i>Expert Systems With Applications</i> , 2011 , 38, 4626-4636	7.8	190
32	Comparing Bayesian inference and case-based reasoning as support techniques in the diagnosis of Acute Bacterial Meningitis. <i>Expert Systems With Applications</i> , 2011 , 38, 10343-10354	7.8	26
31	Exploring affiliation network models as a collaborative filtering mechanism in e-learning. <i>Interactive Learning Environments</i> , 2011 , 19, 317-331	3.1	9
30	Multiobjective simulation optimisation in software project management 2011 ,		10

29	An Ontology-Based and Model-Driven Approach for Designing IT Service Management Systems. <i>International Journal of Service Science, Management, Engineering, and Technology</i> , 2011 , 2, 65-81	0.9	3
28	Subgroup Discovery for Defect Prediction. <i>Lecture Notes in Computer Science</i> , 2011 , 269-270	0.9	2
27	DEFINING SOFTWARE PROCESS MODEL CONSTRAINTS WITH RULES USING OWL AND SWRL. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 2010 , 20, 533-548	1	24
26	Exploring ontology metrics in the biomedical domain. <i>Procedia Computer Science</i> , 2010 , 1, 2319-2328	1.6	3
25	Ontologies of engineering knowledge: general structure and the case of Software Engineering. <i>Knowledge Engineering Review</i> , 2009 , 24, 309-326	2.1	13
24	Finding Defective Software Modules by Means of Data Mining Techniques. <i>IEEE Latin America Transactions</i> , 2009 , 7, 377-382	0.7	6
23	A systematic review of software fault prediction studies. <i>Expert Systems With Applications</i> , 2009 , 36, 7346-7354	1.3	24
22	Exploring Structural Prestige in Learning Object Repositories: Some Insights from Examining References in MERLOT 2009 ,		4
21	Searching for Rules to find Defective Modules in Unbalanced Data Sets 2009 ,		1
20	The Impact of Readability on the Usefulness of Online Product Reviews: A Case Study on an Online Bookstore. <i>Lecture Notes in Computer Science</i> , 2008 , 423-432	0.9	16
19	Exploring Cohesion, Flexibility, Communication Overhead and Distribution for Web Services Interfaces in Computational Science. <i>Lecture Notes in Computer Science</i> , 2008 , 368-375	0.9	1
18	SLA: A legal assurance process model for software engineering management. <i>Software Process Improvement and Practice</i> , 2007 , 12, 191-198		1
17	Convertibility Between IFPUG and COSMIC Functional Size Measurements. <i>Lecture Notes in Computer Science</i> , 2007 , 273-283	0.9	9
16	Software Project Effort Estimation Based on Multiple Parametric Models Generated Through Data Clustering. <i>Journal of Computer Science and Technology</i> , 2007 , 22, 371-378	1.7	18
15	Detecting Fault Modules Applying Feature Selection to Classifiers 2007 ,		41
14	Attribute Selection in Software Engineering Datasets for Detecting Fault Modules 2007 ,		18
13	Epistemological and Ontological Representation in Software Engineering. <i>Lecture Notes in Computer Science</i> , 2007 , 1162-1169	0.9	1
12	Defining a Legal Risk Management Strategy: Process, Legal Risk and Lifecycle. <i>Lecture Notes in Computer Science</i> , 2007 , 118-123	0.9	2

11	. <i>IEEE Transactions on Education</i> , 2006 , 49, 451-463	2.1	18
10	An empirical study of process-related attributes in segmented software cost-estimation relationships. <i>Journal of Systems and Software</i> , 2006 , 79, 353-361	3.3	21
9	Latitudinal and longitudinal process diversity. <i>Journal of Software: Evolution and Process</i> , 2003 , 15, 9-25		6
8	Generation of Management Rules through System Dynamics and Evolutionary Computation. <i>Lecture Notes in Computer Science</i> , 2002 , 615-628	0.9	2
7	Maintenance of object oriented systems through re-engineering: a case study		2
6	Hybrid Deep Learning-based Models for Crop Yield Prediction. <i>Applied Artificial Intelligence</i> ,1-18	2.3	6
5	Deep learning for crop yield prediction: a systematic literature review. <i>New Zealand Journal of Crop and Horticultural Science</i> ,1-26	0.9	1
4	Applications of deep learning for mobile malware detection: A systematic literature review. <i>Neural Computing and Applications</i> ,1	4.8	1
3	A feature-based approach for guiding the selection of Internet of Things cybersecurity standards using text mining. <i>Concurrency Computation Practice and Experience</i> ,e6385	1.4	
2	Computer vision-based weight estimation of livestock: a systematic literature review. <i>New Zealand Journal of Agricultural Research</i> ,1-21	1.9	5
1	Predicting Plasma Vitamin C Using Machine Learning. <i>Applied Artificial Intelligence</i> ,1-28	2.3	0