Daniel Rodriguez

List of Publications by Year
in descending order

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90 papers	2,493 citations	257101 24 h-index	233125 45 g-index
93 all docs	93 docs citations	93 times ranked	1643 citing authors

#	Article	IF	Citations
1	A hybrid DNNâ€"LSTM model for detecting phishing URLs. Neural Computing and Applications, 2023, 35, 4957-4973.	3.2	40
2	Deep learning for crop yield prediction: a systematic literature review. New Zealand Journal of Crop and Horticultural Science, 2023, 51, 1-26.	0.7	35
3	Computer vision-based weight estimation of livestock: a systematic literature review. New Zealand Journal of Agricultural Research, 2022, 65, 227-247.	0.9	24
4	A Firewall Policy Anomaly Detection Framework for Reliable Network Security. IEEE Transactions on Reliability, 2022, 71, 339-347.	3.5	16
5	Hybrid Deep Learning-based Models for Crop Yield Prediction. Applied Artificial Intelligence, 2022, 36, .	2.0	37
6	Hybrid Blockchain Platforms for the Internet of Things (IoT): A Systematic Literature Review. Sensors, 2022, 22, 1304.	2.1	42
7	Predicting Plasma Vitamin C Using Machine Learning. Applied Artificial Intelligence, 2022, 36, .	2.0	1
8	Machine Learning-Based Software Defect Prediction for Mobile Applications: A Systematic Literature Review. Sensors, 2022, 22, 2551.	2.1	18
9	Smart Warehouses: Rationale, Challenges and Solution Directions. Applied Sciences (Switzerland), 2022, 12, 219.	1.3	18
10	RESTful API Testing Methodologies: Rationale, Challenges, and Solution Directions. Applied Sciences (Switzerland), 2022, 12, 4369.	1.3	17
11	Stress Detection Using Experience Sampling: A Systematic Mapping Study. International Journal of Environmental Research and Public Health, 2022, 19, 5693.	1.2	7
12	Applications of deep learning for phishing detection: a systematic literature review. Knowledge and Information Systems, 2022, 64, 1457-1500.	2.1	30
13	Systematic reviews in sentiment analysis: a tertiary study. Artificial Intelligence Review, 2021, 54, 4997-5053.	9.7	112
14	Precision nutrition: A systematic literature review. Computers in Biology and Medicine, 2021, 133, 104365.	3.9	68
15	Design of a Data Management Reference Architecture for Sustainable Agriculture. Sustainability, 2021, 13, 7309.	1.6	8
16	Designing a reference architecture for health information systems. BMC Medical Informatics and Decision Making, 2021, 21, 210.	1.5	5
17	Remaining Useful Life (RUL) Prediction of Equipment in Production Lines Using Artificial Neural Networks. Sensors, 2021, 21, 932.	2.1	50
18	Malware Detection Based on Graph Attention Networks for Intelligent Transportation Systems. Electronics (Switzerland), 2021, 10, 2534.	1.8	12

#	Article	IF	Citations
19	Eigth International Workshop on Artificial Intelligence and Requirements Engineering (AIREâ€™21). , 2021, , .		0
20	Energy Load Forecasting Using a Dual-Stage Attention-Based Recurrent Neural Network. Sensors, 2021, 21, 7115.	2.1	11
21	Techniques for Calculating Software Product Metrics Threshold Values: A Systematic Mapping Study. Applied Sciences (Switzerland), 2021, 11, 11377.	1.3	5
22	ADS-B Attack Classification using Machine Learning Techniques. , 2021, , .		1
23	Evaluation of augmented reality technology for the design of an evacuation training game. Virtual Reality, 2020, 24, 359-368.	4.1	23
24	Merge Nondominated Sorting Algorithm for Many-Objective Optimization. IEEE Transactions on Cybernetics, 2020, PP, 1-11.	6.2	8
25	Design of a TTC Antenna Using Simulation and Multiobjective Evolutionary Algorithms. IEEE Aerospace and Electronic Systems Magazine, 2019, 34, 18-31.	2.3	0
26	Aligning software engineering education with industrial needs: A meta-analysis. Journal of Systems and Software, 2019, 156, 65-83.	3.3	54
27	Distributed correlation-based feature selection in spark. Information Sciences, 2019, 496, 287-299.	4.0	33
28	Empirical analysis of change metrics for software fault prediction. Computers and Electrical Engineering, 2018, 67, 15-24.	3.0	64
29	ON-SMMILE: Ontology Network-based Student Model for MultIple Learning Environments. Data and Knowledge Engineering, 2018, 115, 48-67.	2.1	19
30	Distributed ReliefF-based feature selection in Spark. Knowledge and Information Systems, 2018, 57, 1-20.	2.1	59
31	Automatic energy expenditure measurement for health science. Computer Methods and Programs in Biomedicine, 2018, 157, 31-37.	2.6	7
32	Multiobjective Testing Resource Allocation Under Uncertainty. IEEE Transactions on Evolutionary Computation, 2018, 22, 347-362.	7.5	11
33	Learning to classify software defects from crowds: A novel approach. Applied Soft Computing Journal, 2018, 62, 579-591.	4.1	25
34	Using simulation-based optimization in the context of IT service management change process. Decision Support Systems, 2018, 112, 35-47.	3.5	14
35	A data mining approach for global burned area mapping. International Journal of Applied Earth Observation and Geoinformation, 2018, 73, 39-51.	1.4	36
36	Two datasets of defect reports labeled by a crowd of annotators of unknown reliability. Data in Brief, 2018, 18, 840-845.	0.5	2

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37	Competence-based recommender systems: a systematic literature review. Behaviour and Information Technology, 2018, 37, 958-977.	2.5	12
38	Ontology-Based CMS News Authoring Environment. , 2017, , .		1
39	The Consolidated Tree Construction algorithm in imbalanced defect prediction datasets. , 2017, , .		1
40	Preliminary Study on Applying Semi-Supervised Learning to App Store Analysis. , 2017, , .		5
41	Using Simulation and the NSGA-II Evolutionary Multi-Objective Algorithm in the Design of a Compact Dual-Band Equatorial Helix Antenna. , 2017, , .		2
42	Automatically Classifying Requirements from App Stores: A Preliminary Study. , 2017, , .		15
43	Designing an ontology-based Zika virus news authoring environment for the semantic web. , 2016, , .		3
44	Evaluation of estimation models using the Minimum Interval of Equivalence. Applied Soft Computing Journal, 2016, 49, 956-967.	4.1	5
45	Triaxial Accelerometer Located on the Wrist for Elderly Peopleâ€™s Fall Detection. Lecture Notes in Computer Science, 2016, , 523-532.	1.0	3
46	Bayesian concepts in software testing: an initial review. , 2015, , .		8
47	Preliminary comparison of techniques for dealing with imbalance in software defect prediction. , 2014, , .		83
48	Analysis of customer satisfaction using surveys with open questions. DYNA (Colombia), 2014, 81, 92-99.	0.2	0
49	A study of subgroup discovery approaches for defect prediction. Information and Software Technology, 2013, 55, 1810-1822.	3.0	34
50	The evolution of the laws of software evolution. ACM Computing Surveys, 2013, 46, 1-28.	16.1	43
51	2nd International workshop on realizing artificial intelligence synergies in software engineering (RAISE 2013). , 2013, , .		0
52	Report from the first international workshop on realizing artificial intelligence synergies in software engineering (RAISE 2012). Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2012, 37, 34-35.	0.5	2
53	On the statistical distribution of object-oriented system properties. , 2012, , .		7
54	Welcome to the First International Workshop on Realizing Artificial Intelligence Synergies in Software Engineering (RAISE 2012). , 2012, , .		0

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55	On software engineering repositories and their open problems. , 2012, , .		27
56	Searching for rules to detect defective modules: A subgroup discovery approach. Information Sciences, 2012, 191, 14-30.	4.0	52
57	Empirical findings on ontology metrics. Expert Systems With Applications, 2012, 39, 6706-6711.	4.4	25
58	Empirical findings on team size and productivity in software development. Journal of Systems and Software, 2012, 85, 562-570.	3.3	106
59	Exploring affiliation network models as a collaborative filtering mechanism in e-learning. Interactive Learning Environments, 2011, 19, 317-331.	4.4	12
60	Practical development of an Eclipse-based software fault prediction tool using Naive Bayes algorithm. Expert Systems With Applications, 2011, 38, 2347-2353.	4.4	80
61	Software fault prediction: A literature review and current trends. Expert Systems With Applications, 2011, 38, 4626-4636.	4.4	273
62	Comparing Bayesian inference and case-based reasoning as support techniques in the diagnosis of Acute Bacterial Meningitis. Expert Systems With Applications, 2011, 38, 10343-10354.	4.4	32
63	Multiobjective simulation optimisation in software project management. , 2011, , .		15
64	An Ontology-Based and Model-Driven Approach for Designing IT Service Management Systems. International Journal of Service Science, Management, Engineering, and Technology, 2011, 2, 65-81.	0.7	7
65	Subgroup Discovery for Defect Prediction. Lecture Notes in Computer Science, 2011, , 269-270.	1.0	3
66	Knowledge representation and applied decision making (KREAM). Procedia Computer Science, 2010, 1, 2271.	1.2	0
67	Exploring ontology metrics in the biomedical domain. Procedia Computer Science, 2010, 1, 2319-2328.	1.2	3
68	DEFINING SOFTWARE PROCESS MODEL CONSTRAINTS WITH RULES USING OWL AND SWRL. International Journal of Software Engineering and Knowledge Engineering, 2010, 20, 533-548.	0.6	28
69	Ontologies of engineering knowledge: general structure and the case of Software Engineering. Knowledge Engineering Review, 2009, 24, 309-326.	2.1	17
70	Finding Defective Software Modules by Means of Data Mining Techniques. IEEE Latin America Transactions, 2009, 7, 377-382.	1.2	10
71	A systematic review of software fault prediction studies. Expert Systems With Applications, 2009, 36, 7346-7354.	4.4	430
72	Exploring Structural Prestige in Learning Object Repositories: Some Insights from Examining References in MERLOT. , 2009, , .		8

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73	Searching for Rules to find Defective Modules in Unbalanced Data Sets. , 2009, , .		2
74	Preface for the Joint Workshop on Tools for Program Development and Analysis in Computational Science and Software Engineering for Large-Scale Computing. Lecture Notes in Computer Science, 2009, , 655-656.	1.0	0
75	The Impact of Readability on the Usefulness of Online Product Reviews: A Case Study on an Online Bookstore. Lecture Notes in Computer Science, 2008, , 423-432.	1.0	21
76	Detecting Fault Modules Applying Feature Selection to Classifiers. , 2007, , .		53
77	Attribute Selection in Software Engineering Datasets for Detecting Fault Modules. , 2007, , .		28
78	SLA: A legal assurance process model for software engineering management. Software Process Improvement and Practice, 2007, 12, 191-198.	1.1	2
79	Convertibility Between IFPUG and COSMIC Functional Size Measurements. Lecture Notes in Computer Science, 2007, , 273-283.	1.0	11
80	Software Project Effort Estimation Based on Multiple Parametric Models Generated Through Data Clustering. Journal of Computer Science and Technology, 2007, 22, 371-378.	0.9	24
81	Defining a Legal Risk Management Strategy: Process, Legal Risk and Lifecycle. Lecture Notes in Computer Science, 2007, , 118-123.	1.0	3
82	Epistemological and Ontological Representation in Software Engineering. Lecture Notes in Computer Science, 2007, , 1162-1169.	1.0	1
83	An empirical study of process-related attributes in segmented software cost-estimation relationships. Journal of Systems and Software, 2006, 79, 353-361.	3.3	24
84	e-Learning in Project Management Using Simulation Models: A Case Study Based on the Replication of an Experiment. IEEE Transactions on Education, 2006, 49, 451-463.	2.0	30
85	Latitudinal and longitudinal process diversity. Journal of Software: Evolution and Process, 2003, 15, 9-25.	1.1	7
86	Generation of Management Rules through System Dynamics and Evolutionary Computation. Lecture Notes in Computer Science, 2002, , 615-628.	1.0	4
87	An investigation of prediction models for project management. , 0, , .		0
88	Maintenance of object oriented systems through re-engineering: a case study. , 0, , .		3
89	A featureâ€based approach for guiding the selection of Internet of Things cybersecurity standards using text mining. Concurrency Computation Practice and Experience, 0, , e6385.	1.4	2
90	Applications of deep learning for mobile malware detection: A systematic literature review. Neural Computing and Applications, 0, , 1.	3.2	5