

Daniel Rodriguez

List of Publications by Year in descending order

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Version: 2024-02-01

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 systematic review of software fault prediction studies. Expert Systems With Applications, 2009, 36, 7346-7354.	4.4	430
2	Software fault prediction: A literature review and current trends. Expert Systems With Applications, 2011, 38, 4626-4636.	4.4	273
3	Systematic reviews in sentiment analysis: a tertiary study. Artificial Intelligence Review, 2021, 54, 4997-5053.	9.7	112
4	Empirical findings on team size and productivity in software development. Journal of Systems and Software, 2012, 85, 562-570.	3.3	106
5	Preliminary comparison of techniques for dealing with imbalance in software defect prediction. , 2014, , .		83
6	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
7	Precision nutrition: A systematic literature review. Computers in Biology and Medicine, 2021, 133, 104365.	3.9	68
8	Empirical analysis of change metrics for software fault prediction. Computers and Electrical Engineering, 2018, 67, 15-24.	3.0	64
9	Distributed ReliefF-based feature selection in Spark. Knowledge and Information Systems, 2018, 57, 1-20.	2.1	59
10	Aligning software engineering education with industrial needs: A meta-analysis. Journal of Systems and Software, 2019, 156, 65-83.	3.3	54
11	Detecting Fault Modules Applying Feature Selection to Classifiers. , 2007, , .		53
12	Searching for rules to detect defective modules: A subgroup discovery approach. Information Sciences, 2012, 191, 14-30.	4.0	52
13	Remaining Useful Life (RUL) Prediction of Equipment in Production Lines Using Artificial Neural Networks. Sensors, 2021, 21, 932.	2.1	50
14	The evolution of the laws of software evolution. ACM Computing Surveys, 2013, 46, 1-28.	16.1	43
15	Hybrid Blockchain Platforms for the Internet of Things (IoT): A Systematic Literature Review. Sensors, 2022, 22, 1304.	2.1	42
16	A hybrid DNN&LSTM model for detecting phishing URLs. Neural Computing and Applications, 2023, 35, 4957-4973.	3.2	40
17	Hybrid Deep Learning-based Models for Crop Yield Prediction. Applied Artificial Intelligence, 2022, 36, .	2.0	37
18	A data mining approach for global burned area mapping. International Journal of Applied Earth Observation and Geoinformation, 2018, 73, 39-51.	1.4	36

#	ARTICLE	IF	CITATIONS
19	Deep learning for crop yield prediction: a systematic literature review. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2023, 51, 1-26.	0.7	35
20	A study of subgroup discovery approaches for defect prediction. <i>Information and Software Technology</i> , 2013, 55, 1810-1822.	3.0	34
21	Distributed correlation-based feature selection in spark. <i>Information Sciences</i> , 2019, 496, 287-299.	4.0	33
22	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.	4.4	32
23	e-Learning in Project Management Using Simulation Models: A Case Study Based on the Replication of an Experiment. <i>IEEE Transactions on Education</i> , 2006, 49, 451-463.	2.0	30
24	Applications of deep learning for phishing detection: a systematic literature review. <i>Knowledge and Information Systems</i> , 2022, 64, 1457-1500.	2.1	30
25	Attribute Selection in Software Engineering Datasets for Detecting Fault Modules. , 2007, , .		28
26	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.	0.6	28
27	On software engineering repositories and their open problems. , 2012, , .		27
28	Empirical findings on ontology metrics. <i>Expert Systems With Applications</i> , 2012, 39, 6706-6711.	4.4	25
29	Learning to classify software defects from crowds: A novel approach. <i>Applied Soft Computing Journal</i> , 2018, 62, 579-591.	4.1	25
30	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	24
31	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.	0.9	24
32	Computer vision-based weight estimation of livestock: a systematic literature review. <i>New Zealand Journal of Agricultural Research</i> , 2022, 65, 227-247.	0.9	24
33	Evaluation of augmented reality technology for the design of an evacuation training game. <i>Virtual Reality</i> , 2020, 24, 359-368.	4.1	23
34	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.	1.0	21
35	ON-SMMILE: Ontology Network-based Student Model for Multiple Learning Environments. <i>Data and Knowledge Engineering</i> , 2018, 115, 48-67.	2.1	19
36	Machine Learning-Based Software Defect Prediction for Mobile Applications: A Systematic Literature Review. <i>Sensors</i> , 2022, 22, 2551.	2.1	18

#	ARTICLE	IF	CITATIONS
37	Smart Warehouses: Rationale, Challenges and Solution Directions. Applied Sciences (Switzerland), 2022, 12, 219.	1.3	18
38	Ontologies of engineering knowledge: general structure and the case of Software Engineering. Knowledge Engineering Review, 2009, 24, 309-326.	2.1	17
39	RESTful API Testing Methodologies: Rationale, Challenges, and Solution Directions. Applied Sciences (Switzerland), 2022, 12, 4369.	1.3	17
40	A Firewall Policy Anomaly Detection Framework for Reliable Network Security. IEEE Transactions on Reliability, 2022, 71, 339-347.	3.5	16
41	Multiobjective simulation optimisation in software project management. , 2011, , .		15
42	Automatically Classifying Requirements from App Stores: A Preliminary Study. , 2017, , .		15
43	Using simulation-based optimization in the context of IT service management change process. Decision Support Systems, 2018, 112, 35-47.	3.5	14
44	Exploring affiliation network models as a collaborative filtering mechanism in e-learning. Interactive Learning Environments, 2011, 19, 317-331.	4.4	12
45	Competence-based recommender systems: a systematic literature review. Behaviour and Information Technology, 2018, 37, 958-977.	2.5	12
46	Malware Detection Based on Graph Attention Networks for Intelligent Transportation Systems. Electronics (Switzerland), 2021, 10, 2534.	1.8	12
47	Convertibility Between IFPUG and COSMIC Functional Size Measurements. Lecture Notes in Computer Science, 2007, , 273-283.	1.0	11
48	Multiobjective Testing Resource Allocation Under Uncertainty. IEEE Transactions on Evolutionary Computation, 2018, 22, 347-362.	7.5	11
49	Energy Load Forecasting Using a Dual-Stage Attention-Based Recurrent Neural Network. Sensors, 2021, 21, 7115.	2.1	11
50	Finding Defective Software Modules by Means of Data Mining Techniques. IEEE Latin America Transactions, 2009, 7, 377-382.	1.2	10
51	Exploring Structural Prestige in Learning Object Repositories: Some Insights from Examining References in MERLOT. , 2009, , .		8
52	Bayesian concepts in software testing: an initial review. , 2015, , .		8
53	Merge Nondominated Sorting Algorithm for Many-Objective Optimization. IEEE Transactions on Cybernetics, 2020, PP, 1-11.	6.2	8
54	Design of a Data Management Reference Architecture for Sustainable Agriculture. Sustainability, 2021, 13, 7309.	1.6	8

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55	Latitudinal and longitudinal process diversity. <i>Journal of Software: Evolution and Process</i> , 2003, 15, 9-25.	1.1	7
56	On the statistical distribution of object-oriented system properties. , 2012, , .		7
57	Automatic energy expenditure measurement for health science. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 157, 31-37.	2.6	7
58	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.	0.7	7
59	Stress Detection Using Experience Sampling: A Systematic Mapping Study. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 5693.	1.2	7
60	Evaluation of estimation models using the Minimum Interval of Equivalence. <i>Applied Soft Computing Journal</i> , 2016, 49, 956-967.	4.1	5
61	Preliminary Study on Applying Semi-Supervised Learning to App Store Analysis. , 2017, , .		5
62	Designing a reference architecture for health information systems. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 210.	1.5	5
63	Applications of deep learning for mobile malware detection: A systematic literature review. <i>Neural Computing and Applications</i> , 0, , 1.	3.2	5
64	Techniques for Calculating Software Product Metrics Threshold Values: A Systematic Mapping Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11377.	1.3	5
65	Generation of Management Rules through System Dynamics and Evolutionary Computation. <i>Lecture Notes in Computer Science</i> , 2002, , 615-628.	1.0	4
66	Maintenance of object oriented systems through re-engineering: a case study. , 0, , .		3
67	Exploring ontology metrics in the biomedical domain. <i>Procedia Computer Science</i> , 2010, 1, 2319-2328.	1.2	3
68	Designing an ontology-based Zika virus news authoring environment for the semantic web. , 2016, , .		3
69	Triaxial Accelerometer Located on the Wrist for Elderly People's Fall Detection. <i>Lecture Notes in Computer Science</i> , 2016, , 523-532.	1.0	3
70	Defining a Legal Risk Management Strategy: Process, Legal Risk and Lifecycle. <i>Lecture Notes in Computer Science</i> , 2007, , 118-123.	1.0	3
71	Subgroup Discovery for Defect Prediction. <i>Lecture Notes in Computer Science</i> , 2011, , 269-270.	1.0	3
72	SLA: A legal assurance process model for software engineering management. <i>Software Process Improvement and Practice</i> , 2007, 12, 191-198.	1.1	2

#	ARTICLE	IF	CITATIONS
73	Searching for Rules to find Defective Modules in Unbalanced Data Sets. , 2009, , .		2
74	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
75	Using Simulation and the NSGA-II Evolutionary Multi-Objective Algorithm in the Design of a Compact Dual-Band Equatorial Helix Antenna. , 2017, , .		2
76	Two datasets of defect reports labeled by a crowd of annotators of unknown reliability. Data in Brief, 2018, 18, 840-845.	0.5	2
77	A feature-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
78	Ontology-Based CMS News Authoring Environment. , 2017, , .		1
79	The Consolidated Tree Construction algorithm in imbalanced defect prediction datasets. , 2017, , .		1
80	Epistemological and Ontological Representation in Software Engineering. Lecture Notes in Computer Science, 2007, , 1162-1169.	1.0	1
81	ADS-B Attack Classification using Machine Learning Techniques. , 2021, , .		1
82	Predicting Plasma Vitamin C Using Machine Learning. Applied Artificial Intelligence, 2022, 36, .	2.0	1
83	An investigation of prediction models for project management. , 0, , .		0
84	Knowledge representation and applied decision making (KREAM). Procedia Computer Science, 2010, 1, 2271.	1.2	0
85	Welcome to the First International Workshop on Realizing Artificial Intelligence Synergies in Software Engineering (RAISE 2012). , 2012, , .		0
86	2nd International workshop on realizing artificial intelligence synergies in software engineering (RAISE 2013). , 2013, , .		0
87	Design of a TTC Antenna Using Simulation and Multiobjective Evolutionary Algorithms. IEEE Aerospace and Electronic Systems Magazine, 2019, 34, 18-31.	2.3	0
88	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
89	Analysis of customer satisfaction using surveys with open questions. DYNA (Colombia), 2014, 81, 92-99.	0.2	0
90	Eighth International Workshop on Artificial Intelligence and Requirements Engineering (AIRE™21). , 2021, , .		0