

List of Publications by Citations

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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.

102 papers	1,358 citations	19 h-index	33 g-index
117 ext. papers	1,805 ext. citations	1.8 avg, IF	5.51 L-index

#	Paper	IF	Citations
102	Classification of sentiment reviews using n-gram machine learning approach. <i>Expert Systems With Applications</i> , 2016 , 57, 117-126	7.8	267
101	Classification of Sentimental Reviews Using Machine Learning Techniques. <i>Procedia Computer Science</i> , 2015 , 57, 821-829	1.6	72
100	A Survey on One-Hop Clustering Algorithms in Mobile Ad Hoc Networks. <i>Journal of Network and Systems Management</i> , 2009 , 17, 183-207	2.1	65
99	Co-LSTM: Convolutional LSTM model for sentiment analysis in social big data. <i>Information Processing and Management</i> , 2021 , 58, 102435	6.3	60
98	Document-level sentiment classification using hybrid machine learning approach. <i>Knowledge and Information Systems</i> , 2017 , 53, 805-831	2.4	52
97	Effective fault prediction model developed using Least Square Support Vector Machine (LSSVM). <i>Journal of Systems and Software</i> , 2018 , 137, 686-712	3.3	46
96	Real-Time Sentiment Analysis of Twitter Streaming data for Stock Prediction. <i>Procedia Computer Science</i> , 2018 , 132, 956-964	1.6	43
95	Classification of microarray using MapReduce based proximal support vector machine classifier. <i>Knowledge-Based Systems</i> , 2015 , 89, 584-602	7.3	38
94	Empirical Validation of Neural Network Models for Agile Software Effort Estimation based on Story Points. <i>Procedia Computer Science</i> , 2015 , 57, 772-781	1.6	35
93	Feature Selection and Classification of Microarray Data using MapReduce based ANOVA and K-Nearest Neighbor. <i>Procedia Computer Science</i> , 2015 , 54, 301-310	1.6	32
92	An empirical analysis of the effectiveness of software metrics and fault prediction model for identifying faulty classes. <i>Computer Standards and Interfaces</i> , 2017 , 53, 1-32	3.5	29
91	Early stage software effort estimation using random forest technique based on use case points. <i>IET Software</i> , 2016 , 10, 10-17	1	28
90	Performance comparison of SOAP and REST based Web Services for Enterprise Application Integration 2015 ,		25
89	Empirical assessment of machine learning models for agile software development effort estimation using story points. <i>Innovations in Systems and Software Engineering</i> , 2017 , 13, 191-200	1.1	24
88	Investigating the structural linkage between IT capability and organizational agility. <i>Journal of Enterprise Information Management</i> , 2016 , 29, 751-773	4.4	23
87	Large Scale Community Detection Using a Small World Model. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 1173	2.6	22
86	Hybrid functional link artificial neural network approach for predicting maintainability of object-oriented software. <i>Journal of Systems and Software</i> , 2016 , 121, 170-190	3.3	21

85	Validating the Effectiveness of Object-Oriented Metrics for Predicting Maintainability. <i>Procedia Computer Science</i> , 2015 , 57, 798-806	1.6	21
84	Distributed Centrality Analysis of Social Network Data Using MapReduce. <i>Algorithms</i> , 2019 , 12, 161	1.8	20
83	Analysis of microarray leukemia data using an efficient MapReduce-based K-nearest-neighbor classifier. <i>Journal of Biomedical Informatics</i> , 2016 , 60, 395-409	10.2	18
82	Effectiveness of Software Metrics for Object-oriented System. <i>Procedia Technology</i> , 2012 , 6, 420-427		17
81	Classification of Sentiment of Reviews using Supervised Machine Learning Techniques. <i>International Journal of Rough Sets and Data Analysis</i> , 2017 , 4, 56-74	0.3	16
80	Genetic algorithm-based community detection in large-scale social networks. <i>Neural Computing and Applications</i> , 2020 , 32, 9649-9665	4.8	16
79	The effect of human IT capability on organizational agility: an empirical analysis. <i>Management Research Review</i> , 2017 , 40, 800-820	2.8	12
78	Class point approach for software effort estimation using various support vector regression kernel methods 2014 ,		12
77	Software design pattern mining using classification-based techniques. <i>Frontiers of Computer Science</i> , 2018 , 12, 908-922	2.2	12
76	Software maintainability prediction using hybrid neural network and fuzzy logic approach with parallel computing concept. <i>International Journal of Systems Assurance Engineering and Management</i> , 2017 , 8, 1487-1502	1.3	11
75	An efficient technique for protein classification using feature extraction by artificial neural networks 2010 ,		11
74	Using source code metrics to predict change-prone web services: A case-study on ebay services 2017 ,		10
73	Spanning Tree Based Community Detection Using Min-Max Modularity. <i>Procedia Computer Science</i> , 2016 , 93, 1070-1076	1.6	10
72	Incorporating Security Features in Service-Oriented Architecture using Security Patterns. <i>Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM</i> , 2015 , 40, 1-6	0.4	10
71	Strategic IT-business alignment and organizational agility: from a developing country perspective. <i>Journal of Asia Business Studies</i> , 2018 , 12, 422-440	2.7	10
70	The impact of feature selection on maintainability prediction of service-oriented applications. <i>Service Oriented Computing and Applications</i> , 2017 , 11, 137-161	1.6	9
69	Predicting Object-Oriented Software Maintainability using Hybrid Neural Network with Parallel Computing Concept 2015 ,		9
68	Fuzzy-class point approach for software effort estimation using various adaptive regression methods. <i>CSI Transactions on ICT</i> , 2013 , 1, 367-380	0.4	9

67	Formalization of Web Security Patterns 2015 , 14, 14-25		9
66	Map-Reduce-Based Centrality Detection in Social Networks: An Algorithmic Approach. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 10199-10222	2.5	8
65	Class point approach for software effort estimation using stochastic gradient boosting technique. <i>Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM</i> , 2014 , 39, 1-6	0.4	8
64	Software design pattern recognition using machine learning techniques 2016 ,		8
63	Using Source Code Metrics and Multivariate Adaptive Regression Splines to Predict Maintainability of Service Oriented Software 2017 ,		7
62	Applying learning-based methods for recognizing design patterns. <i>Innovations in Systems and Software Engineering</i> , 2019 , 15, 87-100	1.1	7
61	An efficient modularity based algorithm for community detection in social network 2016 ,		7
60	Detection of design pattern using Graph Isomorphism and Normalized Cross Correlation 2015 ,		7
59	A Web Service Reliability Prediction Using HMM and Fuzzy Logic Models. <i>Procedia Computer Science</i> , 2016 , 93, 886-892	1.6	7
58	Breast Cancer detection from Thermograms Using Feature Extraction and Machine Learning Techniques 2019 ,		7
57	Maintainability prediction of web service using support vector machine with various kernel methods. <i>International Journal of Systems Assurance Engineering and Management</i> , 2017 , 8, 205-222	1.3	6
56	Detection of breast cancer tumours based on feature reduction and classification of thermograms. <i>Quantitative InfraRed Thermography Journal</i> , 2020 , 1-14	1.1	6
55	Classification of Microarray Data using Functional Link Neural Network. <i>Procedia Computer Science</i> , 2015 , 57, 727-737	1.6	6
54	Extended Clique percolation method to detect overlapping community structure 2014 ,		6
53	Map-Reduce based Link Prediction for Large Scale Social Network 2017 ,		6
52	Optimised class point approach for software effort estimation using adaptive neuro-fuzzy inference system model. <i>International Journal of Computer Applications in Technology</i> , 2016 , 54, 323	0.7	6
51	Modelling the Relationship Between Information Technology Infrastructure and Organizational Agility: A Study in the Context of India. <i>Global Business Review</i> , 2018 , 19, 424-438	1.1	5
50	Software effort estimation using machine learning techniques 2014 ,		5

49	Microarray data classification using Fuzzy K-Nearest Neighbor 2014 ,		5
48	Class point approach for software effort estimation using soft computing techniques 2013 ,		5
47	Gene Expression Analysis Using Clustering 2009 ,		5
46	Mobility Based Clustering Algorithm and the Energy Consumption Model of Dynamic Nodes in Mobile Ad Hoc Network 2008 ,		5
45	Transfer Learning for Cross-Project Change-Proneness Prediction in Object-Oriented Software Systems. <i>Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM</i> , 2017 , 42, 1-11	0.4	5
44	Credit Card Fraud Detection Technique by Applying Graph Database Model. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 1-20	2.5	5
43	MR-IBC: MapReduce-based incremental betweenness centrality in large-scale complex networks. <i>Social Network Analysis and Mining</i> , 2020 , 10, 1	2.2	5
42	Empirical validation for effectiveness of fault prediction technique based on cost analysis framework. <i>International Journal of Systems Assurance Engineering and Management</i> , 2017 , 8, 1055-1068 ^{1,3}		4
41	Classification of Microarray Data Using Kernel Fuzzy Inference System. <i>International Scholarly Research Notices</i> , 2014 , 2014, 769159	0	4
40	Application of Natural Language Processing in Object Oriented Software Development 2014 ,		4
39	Selecting and formalizing an architectural style: A comparative study 2014 ,		4
38	Applying software metrics for the mining of design pattern 2016 ,		4
37	An ontology based approach for formal modeling of structural design patterns 2016 ,		4
36	Scalable Information Gain Variant on Spark Cluster for Rapid Quantification of Microarray. <i>Procedia Computer Science</i> , 2016 , 93, 292-298	1.6	4
35	Information technology capability, knowledge management capability, and organizational agility: The role of environmental factors. <i>Journal of Management and Organization</i> , 2021 , 27, 148-174	1.7	4
34	Empirical Assessment of Machine Learning Models for Effort Estimation of Web-based Applications 2017 ,		3
33	Neuro Genetic Approach for Predicting Maintainability Using Chidamber and Kemerer Software Metrics Suite. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 31-40	0.4	3
32	Impact of Design Patterns on Quantitative Assessment of Quality Parameters 2015 ,		3

31	Centrality Approach for Community Detection in Large Scale Network 2016 ,		3
30	An Empirical Analysis on Effective Fault Prediction Model Developed Using Ensemble Methods 2017 ,		3
29	Quality Assessment of Web Services Using Multivariate Adaptive Regression Splines 2015 ,		3
28	Protein superfamily classification using Kernel Principal Component Analysis and Probabilistic Neural Networks 2011 ,		3
27	PROTEIN SUPERFAMILY CLASSIFICATION USING ADAPTIVE EVOLUTIONARY RADIAL BASIS FUNCTION NETWORK. <i>International Journal of Computational Intelligence and Applications</i> , 2012 , 11, 1250026	1.2	3
26	Detecting Default Payment Fraud in Credit Cards 2019 ,		3
25	A Fast Algorithm for Enumerating Maximal Cliques in Large Scale Network 2017 ,		2
24	Fast in-memory cluster computing of sizeable microarray using spark 2016 ,		2
23	Sequence-based protein superfamily classification using computational intelligence techniques: a review. <i>International Journal of Data Mining and Bioinformatics</i> , 2015 , 11, 424-57	0.5	2
22	Energy Efficient Mobility Adaptive Distributed Clustering Algorithm for Mobile Ad Hoc Network 2008 ,		2
21	FCM for Gene Expression Bioinformatics Data. <i>Communications in Computer and Information Science</i> , 2009 , 521-532	0.3	2
20	Analysis of a Complex Architectural Style C2 Using Modeling Language Alloy. <i>Computer Science and Information Technology</i> , 2014 , 2, 152-164	2.3	2
19	Application of genetic algorithm as feature selection technique in development of effective fault prediction model 2016 ,		2
18	Formalization of e-commerce patterns using state-based and event-based approaches 2016 ,		2
17	Detecting Product Review Spammers Using Principles of Big Data. <i>IEEE Transactions on Engineering Management</i> , 2021 , 1-12	2.6	2
16	Software project risk assessment based on cost drivers and Neuro-Fuzzy technique 2015 ,		1
15	Formalization of UML Class Diagram Using Colored Petri Nets 2020 ,		1
14	A Bibliometric Study of ACM SIGSOFT Software Engineering Notes from 2007 to 2016. <i>Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM</i> , 2017 , 42, 1-7	0.4	1

13	Meta-heuristic search based gene selection and classification of microarray data 2015 ,	1	
12	An evolutionary approach for protein classification using feature extraction by artificial neural network 2010 ,	1	
11	Model to specify real time system using Z and alloy languages: A comparative approach 2012 ,	1	
10	Feature Selection and Classification of Microarray Data Using Machine Learning Techniques 2016 , 213-242	1	
9	Formalization of SOA Design Patterns Using Model-Based Specification Technique. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2019 , 95-101	0.4	0
8	Nearness and Influence Based Link Prediction (NILP) in Distributed Platform. <i>Lecture Notes in Computer Science</i> , 2017 , 325-334	0.9	0
7	Fast Computing of Microarray Data Using Resilient Distributed Dataset of Apache Spark. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 171-182	0.4	0
6	Application of Soft Computing Technique for Web Service Selection. <i>Lecture Notes in Computer Science</i> , 2015 , 245-248	0.9	
5	Classification of Sentiment of Reviews using Supervised Machine Learning Techniques 2020 , 143-163		
4	PCNN Based Hybrid Approach for Suppression of High Density of Impulsive Noise. <i>Communications in Computer and Information Science</i> , 2009 , 358-359	0.3	
3	Topology Control by Transmission Range Adjustment Protocol for Clustered Mobile Ad Hoc Networks. <i>ISRN Communications and Networking</i> , 2011 , 2011, 1-10		
2	Forensic Sketch Matching Using SURF. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 527-537	0.4	
1	Review of Software Quality Metrics for Object-Oriented Methodology. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 267-278	0.4	