

# Prabhat Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

86  
papers

1,518  
citations

516710

16  
h-index

395702

33  
g-index

94  
all docs

94  
docs citations

94  
times ranked

1188  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey on Successors of LEACH Protocol. IEEE Access, 2017, 5, 4298-4328.	4.2	302
2	Crop Selection Method to maximize crop yield rate using machine learning technique. , 2015, , .		144
3	Impact of internet of things (IoT) in disaster management: a task-technology fit perspective. Annals of Operations Research, 2019, 283, 759-794.	4.1	127
4	Defensive Modeling of Fake News Through Online Social Networks. IEEE Transactions on Computational Social Systems, 2020, 7, 1159-1167.	4.4	77
5	Performance evaluation of classification methods with PCA and PSO for diabetes. Network Modeling Analysis in Health Informatics and Bioinformatics, 2020, 9, 1.	2.1	75
6	RNN based online handwritten word recognition in Devanagari and Bengali scripts using horizontal zoning. Pattern Recognition, 2019, 92, 203-218.	8.1	61
7	A comprehensive survey on trajectory schemes for data collection using mobile elements in WSNs. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 291-312.	4.9	45
8	An extensive evaluation of search-based software testing: a review. Soft Computing, 2019, 23, 1933-1946.	3.6	42
9	An Energy Efficient Protocol to Mitigate Hot Spot Problem Using Unequal Clustering in WSN. Wireless Personal Communications, 2018, 101, 799-827.	2.7	41
10	Architecting user-centric internet of things for smart agriculture. Sustainable Computing: Informatics and Systems, 2019, 23, 88-102.	2.2	39
11	Optimized test suites for automated testing using different optimization techniques. Soft Computing, 2018, 22, 8341-8352.	3.6	37
12	Localization in three-dimensional wireless sensor networks: a survey. Journal of Supercomputing, 2019, 75, 5040-5083.	3.6	34
13	Source Location Privacy Using Fake Source and Phantom Routing (FSAPR) Technique in Wireless Sensor Networks. Procedia Computer Science, 2015, 57, 936-941.	2.0	29
14	A Comprehensive Study on Multifactor Authentication Schemes. Advances in Intelligent Systems and Computing, 2013, , 561-568.	0.6	26
15	Classification of Diabetes by Kernel Based SVM with PSO. Recent Advances in Computer Science and Communications, 2021, 14, 1242-1255.	0.7	23
16	Source location privacy using multiple-phantom nodes in WSN. , 2015, , .		20
17	SensDroid: Analysis for Malicious Activity Risk of Android Application. Multimedia Tools and Applications, 2019, 78, 35713-35731.	3.9	20
18	An Efficient Forward Error Correction Scheme for Wireless Sensor Network. Procedia Technology, 2012, 4, 737-742.	1.1	18

#	ARTICLE	IF	CITATIONS
19	Survey of clustering algorithms using fuzzy logic in wireless sensor network. , 2013, , .		15
20	An energy efficient Odd-Even round number based data collection using mules in WSNs. , 2016, , .		14
21	Persistent Cellular Telephony: Enhanced Secure GSM Architecture. Recent Patents on Engineering, 2018, 12, 23-29.	0.4	13
22	An energy efficient uneven grid clustering based routing protocol for Wireless Sensor Networks. , 2016, , .		12
23	Spam Review Detection Using Ensemble Machine Learning. Lecture Notes in Computer Science, 2018, , 198-209.	1.3	12
24	A Novel Grid and Place Neuronâ€™s Computational Modeling to Learn Spatial Semantics of an Environment. Applied Sciences (Switzerland), 2020, 10, 5147.	2.5	12
25	Feature based video stabilization based on boosted HAAR Cascade and representative point matching algorithm. Image and Vision Computing, 2020, 101, 103957.	4.5	12
26	Android application behavioural analysis for data leakage. Expert Systems, 2021, 38, .	4.5	11
27	A Survey on Lightweight Block Ciphers. International Journal of Computer Applications, 2014, 96, 1-7.	0.2	10
28	Supervised Semantic Analysis of Product Reviews Using Weighted k-NN Classifier. , 2014, , .		10
29	Survey of MAC Protocol for Wireless Sensor Networks. , 2015, , .		10
30	Handwritten Text Recognition in Bank Cheques. , 2018, , .		10
31	RNN Based Online Handwritten Word Recognition in Devanagari Script. , 2018, , .		10
32	Intent and permission modeling for privacy leakage detection in android. Energy Systems, 2022, 13, 567-580.	3.0	10
33	Smart Device Authentication Based on Online Handwritten Script Identification and Word Recognition in Indic Scripts Using Zone-Wise Features. International Journal of Information System Modeling and Design, 2018, 9, 21-55.	1.1	9
34	An energy efficient routing using multi-hop intra clustering technique in WSNs. , 2017, , .		8
35	Energy Conservation Through Data Prediction in Wireless Sensor Networks. SSRN Electronic Journal, 2018, , .	0.4	8
36	A community-based hierarchical user authentication scheme for Industry 4.0. Software - Practice and Experience, 2020, , .	3.6	8

#	ARTICLE	IF	CITATIONS
37	Intrusion detection system using anomaly technique in wireless sensor network. , 2016, , .		7
38	A Novel Approach for Software Test Data Generation using Cuckoo Algorithm. , 2016, , .		7
39	Predicting Stock Movements using Social Network. Lecture Notes in Computer Science, 2016, , 567-572.	1.3	7
40	Localization in Wireless Sensor Networks Using Soft Computing Approach. International Journal of Information Security and Privacy, 2017, 11, 42-53.	0.8	7
41	Evolutionary Computation-Based Techniques Over Multiple Data Sets: An Empirical Assessment. Arabian Journal for Science and Engineering, 2018, 43, 3875-3885.	3.0	7
42	Privacy issues of android application permissions: A literature review. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3773.	3.9	7
43	Driver Alert System for Accident Avoidance. , 2015, , .		6
44	A load balancing virtual level routing (LBVLR) using mobile mule for large sensor networks. Journal of Supercomputing, 2019, 75, 7426-7459.	3.6	6
45	Privacy Analysis of Android Applications: State-of-art and Literary Assessment. Scalable Computing, 2017, 18, .	1.0	6
46	A Novel Framework for Social Internet of Things. Indian Journal of Science and Technology, 2016, 9, .	0.7	5
47	Source location privacy using data mules in Wireless Sensor Networks. , 2016, , .		5
48	An efficient privacy preserving protocol for source location privacy in wireless sensor networks. , 2016, , .		5
49	Consumer Satisfaction Rating System Using Sentiment Analysis. Lecture Notes in Computer Science, 2017, , 400-411.	1.3	5
50	A vehicle number plate recognition system using region-of-interest based filtering method. , 2018, , .		5
51	A Pattern-Based Multi-Factor Authentication System. Scalable Computing, 2019, 20, 101-112.	1.0	5
52	Virtual Coordinates Routing Using VCP-M in Wireless Sensor Network. , 2014, , .		4
53	Energy efficient multi-hop routing based on improved LEACH-CE for wireless sensor network. , 2015, , .		4
54	Controlling and Mitigating Targeted Socio-Economic Attacks. Lecture Notes in Computer Science, 2016, , 471-476.	1.3	4

#	ARTICLE	IF	CITATIONS
55	IP based services. , 2012, , .		3
56	Traffic and resource based methods for congestion control in wireless sensor networks: A comparative analysis. , 2014, , .		3
57	Internet Traffic Classification: A Survey. , 2016, , .		3
58	Optimal Sub-Path Selection for Maximum Data Gathering Using Mobile Sink in WSN. , 2017, , .		3
59	Empirical Evaluation of Hill Climbing Algorithm. International Journal of Applied Metaheuristic Computing, 2017, 8, 27-40.	0.7	3
60	Localization in 3D Wireless Sensor Network. Advances in Intelligent Systems and Computing, 2018, , 121-131.	0.6	3
61	Optimizing Online Shopping using Genetic Algorithm. , 2020, , .		3
62	Fake Order Mitigation: A Profile Based Mechanism. Lecture Notes in Computer Science, 2017, , 276-288.	1.3	3
63	An Investigating Approach for Optimization of Software Test Suite. Recent Advances in Communications and Networking Technology, 2017, 6, .	0.1	3
64	Internet Traffic Classification Using Machine Learning. International Journal of Database Theory and Application, 2016, 9, 45-54.	0.2	3
65	Models for the Detection of Malicious Intent People in Society. International Journal of Digital Crime and Forensics, 2018, 10, 15-26.	0.7	3
66	Delay prediction in Mobile Ad Hoc Network using trapezoidal fuzzy numbers. , 2012, , .		2
67	Corrections to: A Survey on Successors of Leach Protocol. IEEE Access, 2018, 6, 47295-47295.	4.2	2
68	Facebook Like: Past, Present and Future. Advances in Intelligent Systems and Computing, 2018, , 617-625.	0.6	2
69	SVM and HMM Classifier Combination Based Approach for Online Handwritten Indic Character Recognition. Recent Advances in Computer Science and Communications, 2020, 13, 200-214.	0.7	2
70	Geomatics oriented model for converging electrical transmission networks into state wide area networks. , 2014, , .		1
71	Impact of Software Licenses in Cloud Computing Based E-Governance Initiatives. , 2014, , .		1
72	A Load Balancing Cross Clustering Approach in Wireless Sensor Network. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
73	Classification in Devanagari Script using Elliptical Region-wise Features. , 2018, , .		1
74	A Mobile Sinks Based Data Collection Scheme for Isolated Wireless Sensor Networks. SSRN Electronic Journal, 0, , .	0.4	1
75	EM- and EM <sup>TM</sup> -index Sequence: Construction and Application in Scientific Assessment of Scholars. Measurement, 2020, 18, 142-157.	0.2	1
76	Understanding the Adoption of Mobile Internet in the Saudi Arabian Context: Results from a Descriptive Analysis. Lecture Notes in Computer Science, 2015, , 95-106.	1.3	1
77	Detection of Sybil Nodes in Wireless Sensor Networks. Indian Journal of Science and Technology, 2017, 10, .	0.7	1
78	Role of Technology in Solid Waste Management: A Review. Recent Patents on Computer Science, 2019, 12, 338-348.	0.5	1
79	A New Approach to Theftware-Efficient Solution. Advanced Computing an International Journal, 2012, 3, 87-94.	1.5	0
80	A survey on wireless LAN internal roaming protocols. , 2013, , .		0
81	Operating systems: Demand based modularity. , 2016, , .		0
82	Context-Aware Based Clustering in Wireless Sensor Networks " A Survey. , 2016, , .		0
83	An Improved Tour Length Minimization for Single Hop Data Gathering in Wireless Sensor Network. , 2017, , .		0
84	System for Situational Awareness Using Geospatial Twitter Data. Advances in Intelligent Systems and Computing, 2022, , 731-738.	0.6	0
85	Trusted Recommendation Model for Social Network of Things. Advances in Intelligent Systems and Computing, 2022, , 839-847.	0.6	0
86	A Human Memory Process Modeling. Recent Patents on Engineering, 2020, 14, 179-193.	0.4	0