Dr P K Gupta

List of Publications by Year
in descending order

74 papers	2,310 citations	623734 14 h-index	315739 38 g-index
80 all docs	80 docs citations	80 times ranked	2294 citing authors

#	Article	IF	Citations
1	<scp><i>TrafCâ€AnTabu</i></scp>: <scp>AnTabu</scp> routing algorithm for congestion control and traffic lights management using fuzzy model. Internet Technology Letters, 2022, 5, e309.	1.9	9
2	COVID-WideNetâ€"A capsule network for COVID-19 detection. Applied Soft Computing Journal, 2022, 122, 108780.	7.2	23
3	SV2VCS: a secure vehicle-to-vehicle communication scheme based on lightweight authentication and concurrent data collection trees. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 9791-9807.	4.9	13
4	SP-EnCu: A Novel Security andÂPrivacy-Preserving Scheme with Enhanced Cuckoo Filter for Vehicular Networks. Advances in Intelligent Systems and Computing, 2021, , 533-543.	0.6	4
5	Multicriteria decision-making in health informatics using IoT. , 2021, , 105-121.		1
6	Cloud-Based Predictive Intelligence and Its Security Model. , 2021, , 1215-1230.		0
7	K-Step Crossover Method based on Genetic Algorithm for Test Suite Prioritization in Regression Testing. Journal of Universal Computer Science, 2021, 27, 170-189.	0.8	3
8	QoS-aware CR-BM-based hybrid framework to improve the fault tolerance of fog devices. Journal of Applied Research and Technology, 2021, 19, 66-76.	0.9	6
9	A Novel Pseudonym Assignment and Encryption Scheme for Preserving the Privacy of Military Vehicles. Defence Science Journal, 2021, 71, 192-199.	0.8	5
10	A Novel and Secure Hybrid iWD-MASK Algorithm for Enhanced Image Security. Recent Advances in Computer Science and Communications, 2021, 14, 384-394.	0.7	5
11	Application of Deep Learning on Student Engagement in e-learning environments. Computers and Electrical Engineering, 2021, 93, 107277.	4.8	46
12	Security and privacy challenges in healthcare using Internet of Things. , 2021, , 149-165.		4
13	An Adaptive Service Placement Framework in Fog Computing Environment. Communications in Computer and Information Science, 2021, , 729-738.	0.5	1
14	QoE-based Resource Management of Applications in the Fog Computing Environment using AHP Technique. , 2021, , .		3
15	A Novel Encryption Scheme Based on Fully Homomorphic Encryption and RR-AES Along with Privacy Preservation for Vehicular Networks. Communications in Computer and Information Science, 2021, , 351-360.	0.5	5
16	A deep learning and grad-CAM based color visualization approach for fast detection of COVID-19 cases using chest X-ray and CT-Scan images. Chaos, Solitons and Fractals, 2020, 140, 110190.	5.1	308
17	AquaVision: Automating the detection of waste in water bodies using deep transfer learning. Case Studies in Chemical and Environmental Engineering, 2020, 2, 100026.	6.1	68
18	QoE-Based Multi-Criteria Decision Making for Resource Provisioning in Fog Computing Using AHP Technique. International Journal of Knowledge and Systems Science, 2020, 11, 17-30.	0.8	13

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19	Application of deep learning for fast detection of COVID-19 in X-Rays using nCOVnet. Chaos, Solitons and Fractals, 2020, 138, 109944.	5.1	442
20	Trust & Fault in Multi Layered Cloud Computing Architecture. , 2020, , .		5
21	Correlation Between Temperature and COVID-19 (Suspected, Confirmed and Death) Cases based on Machine Learning Analysis. Journal of Pure and Applied Microbiology, 2020, 14, 1017-1024.	0.9	50
22	Trust Evaluation and Task Scheduling in Cloud Infrastructure. , 2020, , 39-75.		2
23	Fault-Aware Task Scheduling for High Reliability. , 2020, , 121-154.		0
24	Introduction to Multilayered Cloud Computing. , 2020, , 1-13.		0
25	Trust Modeling in Cloud. , 2020, , 77-93.		1
26	Open Issues and Research Problems in Multilayered Cloud. , 2020, , 195-203.		0
27	Heart Disease Prediction System Using Classification Algorithms. Communications in Computer and Information Science, 2020, , 395-404.	0.5	4
28	Trust and Reliability Management in the Cloud. , 2020, , 15-38.		1
29	Fault Model for Workflow Scheduling in Cloud. , 2020, , 155-179.		0
30	Performance analysis of various machine learning-based approaches for detection and classification of lung cancer in humans. Neural Computing and Applications, 2019, 31, 6863-6877.	5.6	98
31	QoS Based Resource Provisioning in Cloud Computing Environment: A Technical Survey. Communications in Computer and Information Science, 2019, , 711-723.	0.5	14
32	Optimizing Smart Parking System by Using Fog Computing. Communications in Computer and Information Science, 2019, , 724-737.	0.5	16
33	Exploration of Deep Learning Techniques in Big Data Analytics. , 2019, , .		1
34	Solar-Powered UAV Platform System: A Case Study for Ground Change Detection in BRIC Countries. Advances in Intelligent Systems and Computing, 2018, , 613-618.	0.6	2
35	Exploration of Apache Hadoop Techniques: Mapreduce and Hive for Big Data. Communications in Computer and Information Science, 2018, , 543-552.	0.5	0
36	Guest Editorial: Robust and Secure Data Hiding Techniques for Telemedicine Applications. Multimedia Tools and Applications, 2017, 76, 7563-7573.	3.9	9

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37	Internet of Things Based Predictive Computing. , 2017, , 91-105.		0
38	A novel and secure IoT based cloud centric architecture to perform predictive analysis of users activities in sustainable health centres. Multimedia Tools and Applications, 2017, 76, 18489-18512.	3.9	103
39	Key challenges in implementing cloud computing in Indian healthcare industry. , 2017, , .		17
40	Automatic test data generation based on multi-objective ant lion optimization algorithm. , 2017, , .		5
41	Analysis of Stock Price Flow Based on Social Media Sentiments. , 2017, , .		6
42	Applications of Predictive Computing. , 2017, , 137-155.		1
43	Cloud-Based Information Security. , 2017, , 107-135.		0
44	Introduction to Predictive Computing. , 2017, , 1-15.		1
45	Predictive Computing: A Technical Insight. , 2017, , 55-72.		1
46	Cloud-Based Predictive Computing. , 2017, , 73-89.		0
47	Brain Imaging Procedures and Surgery Techniques: Past, Present and Future. International Journal of Bio-Science and Bio-Technology, 2017, 9, 23-34.	0.2	0
48	Smart real-time traffic congestion estimation and clustering technique for urban vehicular roads. , 2016, , .		25
49	Smart Vehicle Navigation System Using Hidden Markov Model and RFID Technology. Wireless Personal Communications, 2016, 90, 1717-1742.	2.7	31
50	Load Balancing of Distributed Servers in Distributed File Systems. Advances in Intelligent Systems and Computing, 2016, , 29-37.	0.6	0
51	Energy efficient software development life cycle - An approach towards smart computing. , 2015, , .		2
52	dDRAID: A technique for capacity and performance enhancement of RAID storage systems. , 2015, , .		1
53	A Novel Human Computer Interaction Aware Algorithm to Minimize Energy Consumption. Wireless Personal Communications, 2015, 81, 661-683.	2.7	7
54	Performance evaluation of AOMDV routing algorithm with local repair for wireless mesh networks. CSI Transactions on ICT, 2015, 2, 253-260.	1.0	7

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55	AOMDV routing algorithm for Wireless Mesh Networks with local repair (AOMDV-LR). , 2014, , .		10
56	Combined and Improved Framework of Infrastructure as a Service and Platform as a Service in Cloud Computing. Advances in Intelligent Systems and Computing, 2014, , 831-839.	0.6	2
57	Framework to Improve Data Integrity in Multi Cloud Environment. International Journal of Computer Applications, 2014, 87, 28-32.	0.2	18
58	Performance Analysis of Rayleigh and Rician Fading Channel Models using Matlab Simulation. International Journal of Intelligent Systems and Applications, 2013, 5, 94-102.	1.1	19
59	Performance Comparison of Various Diversity Techniques using Matlab Simulation. International Journal of Information Technology and Computer Science, 2013, 5, 54-61.	1.0	0
60	User centric framework of power schemes for minimizing energy consumption by computer systems. , 2012, , .		2
61	Minimizing Power Consumption by Personal Computers: A Technical Survey. International Journal of Information Technology and Computer Science, 2012, 4, 57-66.	1.0	10
62	Drift Analysis of Backlogged Packets in Slotted ALOHA. International Journal of Machine Learning and Computing, 2012, , 415-418.	0.6	2
63	Energy-Sustainable Framework and Performance Analysis of Power Scheme for Operating Systems: A Tool. International Journal of Intelligent Systems and Applications, 2012, 5, 1-15.	1.1	9
64	Automated test data generation for mutation testing using AspectJ programs. , 2011, , .		3
65	Enhancing information retrieval efficiency using semantic-based-combined-similarity-measure. , 2011, , .		8
66	Rejoinder to the response to the comment on â€˜Time-dependent paths, fictive temperatures and residual entropy of glassâ€™. Philosophical Magazine, 2011, 91, 3865-3866.	1.6	0
67	Comment on â€˜Time-dependent paths, fictive temperatures and residual entropy of glassâ€™. Philosophical Magazine, 2011, 91, 3858-3860.	1.6	3
68	Change-oriented adaptive software engineering by using agile methodology: CFDD. , 2011, , .		4
69	Creation of virtual node, virtual link and managing them in network virtualization. , 2011, , .		2
70	New Mutants Generation for Testing Java Programs. Communications in Computer and Information Science, 2011, , 290-294.	0.5	3
71	Viscosity of glass-forming liquids. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19780-19784.	7.1	757
72	The New Materials Science and Engineering Curriculum at the Ohio State University. Materials Research Society Symposia Proceedings, 2002, 760, 1.	0.1	0

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73	Enthalpy relaxation in thin glass fibers. Journal of Non-Crystalline Solids, 1992, 151, 175-181.	3.1	45
74	A Novel Deep Learning-based Whale Optimization Algorithm for Prediction of Breast Cancer. Brazilian Archives of Biology and Technology, 0, 64, .	0.5	12