

# Dr P K Gupta

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	Application of Deep Learning on Student Engagement in e-learning environments. Computers and Electrical Engineering, 2021, 93, 107277.	4.8	46
9	Enthalpy relaxation in thin glass fibers. Journal of Non-Crystalline Solids, 1992, 151, 175-181.	3.1	45
10	Smart Vehicle Navigation System Using Hidden Markov Model and RFID Technology. Wireless Personal Communications, 2016, 90, 1717-1742.	2.7	31
11	Smart real-time traffic congestion estimation and clustering technique for urban vehicular roads. , 2016, , .		25
12	COVID-WideNetâ€”A capsule network for COVID-19 detection. Applied Soft Computing Journal, 2022, 122, 108780.	7.2	23
13	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
14	Framework to Improve Data Integrity in Multi Cloud Environment. International Journal of Computer Applications, 2014, 87, 28-32.	0.2	18
15	Key challenges in implementing cloud computing in Indian healthcare industry. , 2017, , .		17
16	Optimizing Smart Parking System by Using Fog Computing. Communications in Computer and Information Science, 2019, , 724-737.	0.5	16
17	QoS Based Resource Provisioning in Cloud Computing Environment: A Technical Survey. Communications in Computer and Information Science, 2019, , 711-723.	0.5	14
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

#	ARTICLE	IF	CITATIONS
19	SV2VCS: a secure vehicle-to-vehicle communication scheme based on lightweight authentication and concurrent data collection trees. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 9791-9807.	4.9	13
20	A Novel Deep Learning-based Whale Optimization Algorithm for Prediction of Breast Cancer. <i>Brazilian Archives of Biology and Technology</i> , 0, 64, .	0.5	12
21	AOMDV routing algorithm for Wireless Mesh Networks with local repair (AOMDV-LR). , 2014, , .		10
22	Minimizing Power Consumption by Personal Computers: A Technical Survey. <i>International Journal of Information Technology and Computer Science</i> , 2012, 4, 57-66.	1.0	10
23	Guest Editorial: Robust and Secure Data Hiding Techniques for Telemedicine Applications. <i>Multimedia Tools and Applications</i> , 2017, 76, 7563-7573.	3.9	9
24	<scp><i>Trafa€AnTabu</i></scp>: <scp>AnTabu</scp> routing algorithm for congestion control and traffic lights management using fuzzy model. <i>Internet Technology Letters</i> , 2022, 5, e309.	1.9	9
25	Energy-Sustainable Framework and Performance Analysis of Power Scheme for Operating Systems: A Tool. <i>International Journal of Intelligent Systems and Applications</i> , 2012, 5, 1-15.	1.1	9
26	Enhancing information retrieval efficiency using semantic-based-combined-similarity-measure. , 2011, , .		8
27	A Novel Human Computer Interaction Aware Algorithm to Minimize Energy Consumption. <i>Wireless Personal Communications</i> , 2015, 81, 661-683.	2.7	7
28	Performance evaluation of AOMDV routing algorithm with local repair for wireless mesh networks. <i>CSI Transactions on ICT</i> , 2015, 2, 253-260.	1.0	7
29	Analysis of Stock Price Flow Based on Social Media Sentiments. , 2017, , .		6
30	QoS-aware CR-BM-based hybrid framework to improve the fault tolerance of fog devices. <i>Journal of Applied Research and Technology</i> , 2021, 19, 66-76.	0.9	6
31	Automatic test data generation based on multi-objective ant lion optimization algorithm. , 2017, , .		5
32	Trust & Fault in Multi Layered Cloud Computing Architecture. , 2020, , .		5
33	A Novel Pseudonym Assignment and Encryption Scheme for Preserving the Privacy of Military Vehicles. <i>Defence Science Journal</i> , 2021, 71, 192-199.	0.8	5
34	A Novel and Secure Hybrid iWD-MASK Algorithm for Enhanced Image Security. <i>Recent Advances in Computer Science and Communications</i> , 2021, 14, 384-394.	0.7	5
35	A Novel Encryption Scheme Based on Fully Homomorphic Encryption and RR-AES Along with Privacy Preservation for Vehicular Networks. <i>Communications in Computer and Information Science</i> , 2021, , 351-360.	0.5	5
36	Change-oriented adaptive software engineering by using agile methodology: CFDD. , 2011, , .		4

#	ARTICLE	IF	CITATIONS
37	SP-EnCu: A Novel Security and Privacy-Preserving Scheme with Enhanced Cuckoo Filter for Vehicular Networks. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 533-543.	0.6	4
38	Security and privacy challenges in healthcare using Internet of Things. , 2021, , 149-165.		4
39	Heart Disease Prediction System Using Classification Algorithms. <i>Communications in Computer and Information Science</i> , 2020, , 395-404.	0.5	4
40	Automated test data generation for mutation testing using AspectJ programs. , 2011, , .		3
41	Comment on "Time-dependent paths, fictive temperatures and residual entropy of glass". <i>Philosophical Magazine</i> , 2011, 91, 3858-3860.	1.6	3
42	K-Step Crossover Method based on Genetic Algorithm for Test Suite Prioritization in Regression Testing. <i>Journal of Universal Computer Science</i> , 2021, 27, 170-189.	0.8	3
43	New Mutants Generation for Testing Java Programs. <i>Communications in Computer and Information Science</i> , 2011, , 290-294.	0.5	3
44	QoS-based Resource Management of Applications in the Fog Computing Environment using AHP Technique. , 2021, , .		3
45	Creation of virtual node, virtual link and managing them in network virtualization. , 2011, , .		2
46	User centric framework of power schemes for minimizing energy consumption by computer systems. , 2012, , .		2
47	Combined and Improved Framework of Infrastructure as a Service and Platform as a Service in Cloud Computing. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 831-839.	0.6	2
48	Energy efficient software development life cycle - An approach towards smart computing. , 2015, , .		2
49	Solar-Powered UAV Platform System: A Case Study for Ground Change Detection in BRIC Countries. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 613-618.	0.6	2
50	Drift Analysis of Backlogged Packets in Slotted ALOHA. <i>International Journal of Machine Learning and Computing</i> , 2012, , 415-418.	0.6	2
51	Trust Evaluation and Task Scheduling in Cloud Infrastructure. , 2020, , 39-75.		2
52	dDRAID: A technique for capacity and performance enhancement of RAID storage systems. , 2015, , .		1
53	Exploration of Deep Learning Techniques in Big Data Analytics. , 2019, , .		1
54	Multicriteria decision-making in health informatics using IoT. , 2021, , 105-121.		1

#	ARTICLE	IF	CITATIONS
55	An Adaptive Service Placement Framework in Fog Computing Environment. Communications in Computer and Information Science, 2021, , 729-738.	0.5	1
56	Applications of Predictive Computing. , 2017, , 137-155.		1
57	Introduction to Predictive Computing. , 2017, , 1-15.		1
58	Predictive Computing: A Technical Insight. , 2017, , 55-72.		1
59	Trust Modeling in Cloud. , 2020, , 77-93.		1
60	Trust and Reliability Management in the Cloud. , 2020, , 15-38.		1
61	The New Materials Science and Engineering Curriculum at the Ohio State University. Materials Research Society Symposia Proceedings, 2002, 760, 1.	0.1	0
62	Rejoinder to the response to the comment on "Time-dependent paths, fictive temperatures and residual entropy of glass". Philosophical Magazine, 2011, 91, 3865-3866.	1.6	0
63	Load Balancing of Distributed Servers in Distributed File Systems. Advances in Intelligent Systems and Computing, 2016, , 29-37.	0.6	0
64	Internet of Things Based Predictive Computing. , 2017, , 91-105.		0
65	Exploration of Apache Hadoop Techniques: Mapreduce and Hive for Big Data. Communications in Computer and Information Science, 2018, , 543-552.	0.5	0
66	Cloud-Based Predictive Intelligence and Its Security Model. , 2021, , 1215-1230.		0
67	Performance Comparison of Various Diversity Techniques using Matlab Simulation. International Journal of Information Technology and Computer Science, 2013, 5, 54-61.	1.0	0
68	Cloud-Based Information Security. , 2017, , 107-135.		0
69	Cloud-Based Predictive Computing. , 2017, , 73-89.		0
70	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
71	Fault-Aware Task Scheduling for High Reliability. , 2020, , 121-154.		0
72	Introduction to Multilayered Cloud Computing. , 2020, , 1-13.		0

#	ARTICLE	IF	CITATIONS
73	Open Issues and Research Problems in Multilayered Cloud. , 2020, , 195-203.		0
74	Fault Model for Workflow Scheduling in Cloud. , 2020, , 155-179.		0