Sandeep K Sood

List of Publications by Year
in descending order

137 papers	4,285 citations	159525 30 h-index	138417 58 g-index
138 all docs	138 docs citations	138 times ranked	3437 citing authors

#	Article	IF	Citations
1	3-D Printing Technologies From Infancy to Recent Times: A Scientometric Review. IEEE Transactions on Engineering Management, 2024, 71, 671-687.	2.4	14
2	A novel quantum-inspired solution for high-performance energy-efficient data acquisition from IoT networks. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 5001-5020.	3.3	7
3	An intelligent healthcare system for predicting and preventing dengue virus infection. Computing (Vienna/New York), 2023, 105, 617-655.	3.2	14
4	HMM-Based Secure Framework for Optical Fog Devices in the Optical Fog/Cloud Network. Journal of Optical Communications, 2023, 44, 475-483.	4.0	4
5	Fog-Cloud centric IoT-based cyber physical framework for panic oriented disaster evacuation in smart cities. Earth Science Informatics, 2022, 15, 1449-1470.	1.6	17
6	Cloud-Fog Assisted Energy Efficient Architectural Paradigm for Disaster Evacuation. Information Systems, 2022, 107, 101732.	2.4	6
7	Fog‐assisted virtual reality‐based learning framework to control panic. Expert Systems, 2022, 39, e12700.	2.9	14
8	Fog-assisted Energy Efficient Cyber Physical System for Panic-based Evacuation during Disasters. Computer Journal, 2022, 65, 1540-1559.	1.5	4
9	Disaster emergency response framework for smart buildings. Future Generation Computer Systems, 2022, 131, 106-120.	4.9	19
10	BIoT (Blockchain-based IoT) Framework for Disaster Management. , 2022, , .		3
11	Analytical mapping of information and communication technology in emerging infectious diseases using CiteSpace. Telematics and Informatics, 2022, 69, 101796.	3.5	27
12	An Integrated Framework for Smart Earthquake Prediction: IoT, Fog, and Cloud Computing. Journal of Grid Computing, 2022, 20, 1.	2.5	7
13	A visual review of artificial intelligence and Industry 4.0 in healthcare. Computers and Electrical Engineering, 2022, 101, 107948.	3.0	30
14	Analytical mapping on trends of information technology in hydrometeorological disasters research. Geocarto International, 2022, 37, 14171-14197.	1.7	2
15	ICT in disaster management context: a descriptive and critical review. Environmental Science and Pollution Research, 2022, 29, 86796-86814.	2.7	5
16	An Energy Efficient e-Healthcare Framework Supported by Novel EO-μGA (Extremal Optimization Tuned	4.1	12
17	Bibliometric monitoring of research performance in ICT-based disaster management literature. Quality and Quantity, 2021, 55, 103-132.	2.0	16
18	A Scientometric Review of Global Research on Smart Disaster Management. IEEE Transactions on Engineering Management, 2021, 68, 317-329.	2.4	38

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19	Identification of a Malicious Optical Edge Device in the SDN-Based Optical Fog/Cloud Computing Network. Journal of Optical Communications, 2021, 42, 91-102.	4.0	12
20	Energy efficient cloud-assisted IoT-enabled architectural paradigm for drought prediction. Sustainable Computing: Informatics and Systems, 2021, 30, 100496.	1.6	1
21	QoS-Aware Optical Fog-Assisted Cyber-Physical System in the 5G Ready Heterogeneous Network. Wireless Personal Communications, 2021, 116, 3331-3350.	1.8	14
22	Emerging trends and global scope of big data analytics: a scientometric analysis. Quality and Quantity, 2021, 55, 1371-1396.	2.0	21
23	Smart vehicular traffic management: An edge cloud centric IoT based framework. Internet of Things (Netherlands), 2021, 14, 100140.	4.9	23
24	A scientometric analysis of ICT-assisted disaster management. Natural Hazards, 2021, 106, 2863-2881.	1.6	18
25	Knowledge mapping of computer applications in education using CiteSpace. Computer Applications in Engineering Education, 2021, 29, 1324-1339.	2.2	40
26	Scientometric Exploration of ICT-based Smart Disaster Management Research: A Practitioner's View. , 2021, , .		0
27	Scientometric analysis of literature on distributed vehicular networks : VOSViewer visualization techniques. Artificial Intelligence Review, 2021, 54, 6309-6341.	9.7	31
28	Exploring the emerging ICT trends in seismic hazard by scientometric analysis during 2010–2019. Environmental Earth Sciences, 2021, 80, 1.	1.3	7
29	Energy efficient IoT-Fog based architectural paradigm for prevention of Dengue fever infection. Journal of Parallel and Distributed Computing, 2021, 150, 46-59.	2.7	11
30	Scientometric Analysis of Natural Disaster Management Research. Natural Hazards Review, 2021, 22, .	0.8	13
31	Energy efficient IoT-based cloud framework for early flood prediction. Natural Hazards, 2021, 109, 2053-2076.	1.6	10
32	A fog assisted intelligent framework based on cyber physical system for safe evacuation in panic situations. Computer Communications, 2021, 178, 297-306.	3.1	21
33	A novel DNA-inspired encryption strategy for concealing cloud storage. Frontiers of Computer Science, 2021, 15, 1.	1.6	7
34	Cloud resource management using 3Vs of Internet of Big data streams. Computing (Vienna/New York), 2020, 102, 1463-1485.	3.2	5
35	Cloud-assisted green IoT-enabled comprehensive framework for wildfire monitoring. Cluster Computing, 2020, 23, 1149-1162.	3.5	20
36	Cloud-Fog based framework for drought prediction and forecasting using artificial neural network and genetic algorithm. Journal of Experimental and Theoretical Artificial Intelligence, 2020, 32, 273-289.	1.8	25

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37	Energy-Efficient IoT-Fog-Cloud Architectural Paradigm for Real-Time Wildfire Prediction and Forecasting. IEEE Systems Journal, 2020, 14, 2003-2011.	2.9	22
38	Ten years of disaster management and use of ICT: a scientometric analysis. Earth Science Informatics, 2020, 13, 1-27.	1.6	26
39	Cloud-Centric IoT-Based Green Framework for Smart Drought Prediction. IEEE Internet of Things Journal, 2020, 7, 1111-1121.	5.5	20
40	Soft-computing-centric framework for wildfire monitoring, prediction and forecasting. Soft Computing, 2020, 24, 9651-9661.	2.1	7
41	A Fog-Cloud based cyber physical system for Ulcerative Colitis diagnosis and stage classification and management. Microprocessors and Microsystems, 2020, 72, 102929.	1.8	20
42	Quantumized approach of load scheduling in fog computing environment for IoT applications. Computing (Vienna/New York), 2020, 102, 1097-1115.	3.2	26
43	A Smart Disaster Management Framework For Wildfire Detection and Prediction. Computer Journal, 2020, 63, 1644-1657.	1.5	6
44	Artificial Intelligence-Based Model For Drought Prediction and Forecasting. Computer Journal, 2020, 63, 1704-1712.	1.5	8
45	Mobile fog based secure cloud-IoT framework for enterprise multimedia security. Multimedia Tools and Applications, 2020, 79, 10717-10732.	2.6	19
46	5G ready optical fog‑assisted cyber‑physical system for IoT applications. IET Cyber-Physical Systems: Theory and Applications, 2020, 5, 137-144.	1.9	25
47	Hydro-meteorological hazards and role of ICT during 2010-2019: A scientometric analysis. Earth Science Informatics, 2020, 13, 1201-1223.	1.6	13
48	Fuzzy-inspired decision making for dependability recommendation in e-commerce industry. Intelligent Decision Technologies, 2020, 14, 181-197.	0.6	3
49	Internet of things-inspired healthcare system for urine-based diabetes prediction. Artificial Intelligence in Medicine, 2020, 107, 101913.	3.8	40
50	Quantum Computing-Inspired Network Optimization for IoT Applications. IEEE Internet of Things Journal, 2020, 7, 5590-5598.	5.5	49
51	Deep learning based drought assessment and prediction framework. Ecological Informatics, 2020, 57, 101067.	2.3	36
52	Fog-inspired smart home environment for domestic animal healthcare. Computer Communications, 2020, 160, 521-533.	3.1	13
53	An intelligent framework for monitoring dengue fever risk using LDA-ANFIS. Journal of Ambient Intelligence and Smart Environments, 2020, 12, 5-20.	0.8	8
54	Optical fog‑assisted cyber‑physical system for intelligent surveillance in the education system. Computer Applications in Engineering Education, 2020, 28, 692-704.	2.2	20

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55	Fogâ€"Cloud Assisted IoT-Based Hierarchical Approach For Controlling Dengue Infection. Computer Journal, 2020, , .	1.5	10
56	IoT-inspired smart home based urine infection prediction. Journal of Ambient Intelligence and Humanized Computing, 2020, , 1.	3.3	6
57	IoT-Inspired Smart Toilet System for Home-Based Urine Infection Prediction. ACM Transactions on Computing for Healthcare, 2020, 1, 1-25.	3.3	24
58	Erratum to â€œA Scientometric Review of Global Research on Smart Disaster Managementâ€•[doi: 10.1109/TEM.2020.2972288]. IEEE Transactions on Engineering Management, 2020, 67, 980-980.	2.4	0
59	A comprehensive framework for student stress monitoring in fog-cloud IoT environment: m-health perspective. Medical and Biological Engineering and Computing, 2019, 57, 231-244.	1.6	27
60	Quantum-based predictive fog scheduler for IoT applications. Computers in Industry, 2019, 111, 51-67.	5.7	45
61	Fog-assisted IoT-enabled scalable network infrastructure for wildfire surveillance. Journal of Network and Computer Applications, 2019, 144, 171-183.	5.8	30
62	Optical fogâ€"assisted smart learning framework to enhance studentsâ€™ employability in engineering education. Computer Applications in Engineering Education, 2019, 27, 1030-1042.	2.2	22
63	Adaptive Neuro Fuzzy Inference System (ANFIS) based wildfire risk assessment. Journal of Experimental and Theoretical Artificial Intelligence, 2019, 31, 599-619.	1.8	23
64	Energy efficient e-healthcare framework using HWPSO-based clustering approach. Journal of Intelligent and Fuzzy Systems, 2019, 36, 3957-3969.	0.8	10
65	IoT-Fog-Based Healthcare Framework to Identify and Control Hypertension Attack. IEEE Internet of Things Journal, 2019, 6, 1920-1927.	5.5	60
66	Analytical mapping of research on disaster management, types and role of ICT during 2011â€"2018. Environmental Hazards, 2019, 18, 266-285.	1.4	15
67	Exploring Temporal Analytics in Fog-Cloud Architecture for Smart Office HealthCare. Mobile Networks and Applications, 2019, 24, 1392-1410.	2.2	53
68	SNA Based Resource Optimization in Optical Network using Fog and Cloud Computing. Optical Switching and Networking, 2019, 33, 114-121.	1.2	30
69	SNA based QoS and reliability in fog and cloud framework. World Wide Web, 2018, 21, 1601-1616.	2.7	11
70	Fog Assisted-IoT Enabled Patient Health Monitoring in Smart Homes. IEEE Internet of Things Journal, 2018, 5, 1789-1796.	5.5	332
71	Internet of Things-based student performance evaluation framework. Behaviour and Information Technology, 2018, 37, 102-119.	2.5	15
72	Fog-cloud based cyber-physical system for distinguishing, detecting and preventing mosquito borne diseases. Future Generation Computer Systems, 2018, 88, 764-775.	4.9	62

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73	IoT-based cloud framework to control Ebola virus outbreak. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 459-476.	3.3	67
74	Internet of Things based activity surveillance of defence personnel. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 2061-2076.	3.3	20
75	Cloud-centric IoT based student healthcare monitoring framework. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 1293-1309.	3.3	92
76	An intelligent framework for workouts in gymnasium: M-Health perspective. Computers and Electrical Engineering, 2018, 65, 292-309.	3.0	12
77	TDRM: tensor-based data representation and mining for healthcare data in cloud computing environments. Journal of Supercomputing, 2018, 74, 592-614.	2.4	13
78	A trustworthy system for secure access to patient centric sensitive information. Telematics and Informatics, 2018, 35, 790-800.	3.5	19
79	A cybersecurity framework to identify malicious edge device in fog computing and cloud-of-things environments. Computers and Security, 2018, 74, 340-354.	4.0	180
80	IoT, big data and HPC based smart flood management framework. Sustainable Computing: Informatics and Systems, 2018, 20, 102-117.	1.6	57
81	Cloud-centric IoT based disease diagnosis healthcare framework. Journal of Parallel and Distributed Computing, 2018, 116, 27-38.	2.7	162
82	A Fog-Based Healthcare Framework for Chikungunya. IEEE Internet of Things Journal, 2018, 5, 794-801.	5.5	88
83	Kyasanur Forest Disease Classification Framework Using Novel Extremal Optimization Tuned Neural Network in Fog Computing Environment. Journal of Medical Systems, 2018, 42, 187.	2.2	19
84	A Fog Assisted Cyber-Physical Framework for Identifying and Preventing Coronary Heart Disease. Wireless Personal Communications, 2018, 101, 143-165.	1.8	13
85	An Optical-Fog assisted EEG-based virtual reality framework for enhancing E-learning through educational games. Computer Applications in Engineering Education, 2018, 26, 1565-1576.	2.2	42
86	Proposed Better Sequence Alignment for Identification of Organisms Using DNA Barcode. Studies in Computational Intelligence, 2018, , 115-150.	0.7	1
87	An Energy-Efficient Architecture for the Internet of Things (IoT). IEEE Systems Journal, 2017, 11, 796-805.	2.9	207
88	A Game Theoretic Approach for an IoT-Based Automated Employee Performance Evaluation. IEEE Systems Journal, 2017, 11, 1385-1394.	2.9	21
89	A stochastic game net-based model for effective decision-making in smart environments. Concurrency Computation Practice and Experience, 2017, 29, e3843.	1.4	11
90	Dynamic resource allocation for big data streams based on data characteristics (5Vs). International Journal of Network Management, 2017, 27, e1978.	1.4	15

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91	Security in <scp>IoT</scp> network based on stochastic game net model. International Journal of Network Management, 2017, 27, e1975.	1.4	14
92	Student career path recommendation in engineering stream based on three€dimensional model. Computer Applications in Engineering Education, 2017, 25, 578-593.	2.2	16
93	SECURE INTERNET OF THINGS-BASED CLOUD FRAMEWORK TO CONTROL ZIKA VIRUS OUTBREAK. International Journal of Technology Assessment in Health Care, 2017, 33, 11-18.	0.2	28
94	Game theoretic decision making in IoT-assisted activity monitoring of defence personnel. Multimedia Tools and Applications, 2017, 76, 21911-21935.	2.6	16
95	Wearable IoT sensor based healthcare system for identifying and controlling chikungunya virus. Computers in Industry, 2017, 91, 33-44.	5.7	132
96	Efficient Resource Management System Based on 4Vs of Big Data Streams. Big Data Research, 2017, 9, 98-106.	2.6	33
97	Identification of malicious edge devices in fog computing environments. Information Security Journal, 2017, 26, 213-228.	1.3	11
98	A comprehensive health assessment framework to facilitate IoT-assisted smart workouts: A predictive healthcare perspective. Computers in Industry, 2017, 92-93, 50-66.	5.7	86
99	Smart computing based student performance evaluation framework for engineering education. Computer Applications in Engineering Education, 2017, 25, 977-991.	2.2	25
100	Advanced dynamic identity-based authentication protocol using smart card. International Journal of Information and Computer Security, 2016, 8, 11.	0.2	4
101	Temporal Informative Analysis in Smart-ICU Monitoring: M-HealthCare Perspective. Journal of Medical Systems, 2016, 40, 190.	2.2	66
102	A new approach to design user-driven security pricing model in cloud computing. , 2016, , .		0
103	Designing and analysis of user profiling system for cloud computing security using fuzzy guided genetic algorithm. , 2016, , .		0
104	A Cloud-Based Seizure Alert System for Epileptic Patients That Uses Higher-Order Statistics. Computing in Science and Engineering, 2016, 18, 56-67.	1.2	21
105	An Automatic Prediction of Epileptic Seizures Using Cloud Computing and Wireless Sensor Networks. Journal of Medical Systems, 2016, 40, 226.	2.2	45
106	Function points€based resource prediction in cloud computing. Concurrency Computation Practice and Experience, 2016, 28, 2781-2794.	1.4	10
107	Towards the design of a secure data outsourcing using fragmentation and secret sharing scheme. Information Security Journal, 2016, 25, 39-53.	1.3	11
108	Smart monitoring and controlling of Pandemic Influenza A (H1N1) using Social Network Analysis and cloud computing. Journal of Computational Science, 2016, 12, 11-22.	1.5	54

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109	An intelligent system for predicting and preventing MERS-CoV infection outbreak. Journal of Supercomputing, 2016, 72, 3033-3056.	2.4	44
110	Scheduling of big data applications on distributed cloud based on QoS parameters. Cluster Computing, 2015, 18, 817-828.	3.5	46
111	A commercial, benefit driven and secure framework for elearning in cloud computing. Computer Applications in Engineering Education, 2015, 23, 499-513.	2.2	8
112	Secure authentication scheme for IoT and cloud servers. Pervasive and Mobile Computing, 2015, 24, 210-223.	2.1	223
113	Cognitive decision making in smart industry. Computers in Industry, 2015, 74, 151-161.	5.7	35
114	Advanced password based authentication scheme for wireless sensor networks. Journal of Information Security and Applications, 2015, 20, 37-46.	1.8	20
115	Matrix based proactive resource provisioning in mobile cloud environment. Simulation Modelling Practice and Theory, 2015, 50, 83-95.	2.2	36
116	Advanced remote user authentication protocol for multi-server architecture based on ECC. Journal of Information Security and Applications, 2013, 18, 98-107.	1.8	16
117	ECC-based anti-phishing protocol for cloud computing services. International Journal of Security and Networks, 2013, 8, 130.	0.1	5
118	A Value Based Dynamic Resource Provisioning Model in Cloud. International Journal of Cloud Applications and Computing, 2013, 3, 1-12.	1.1	2
119	Hybrid Data Security Model for Cloud. International Journal of Cloud Applications and Computing, 2013, 3, 50-59.	1.1	0
120	SSO password-based multi-server authentication protocol. International Journal of Communication Networks and Distributed Systems, 2012, 9, 161.	0.3	0
121	A combined approach to ensure data security in cloud computing. Journal of Network and Computer Applications, 2012, 35, 1831-1838.	5.8	167
122	Cookie-Based Virtual Password Authentication Protocol. Information Security Journal, 2011, 20, 100-111.	1.3	1
123	Elliptic Curve Cryptography: Current Status and Research Challenges. Communications in Computer and Information Science, 2011, , 455-460.	0.4	7
124	Security Issues in Cloud Computing. Communications in Computer and Information Science, 2011, , 36-45.	0.4	19
125	Elliptic curve cryptography. , 2011, , .		12
126	A secure dynamic identity based authentication protocol for multi-server architecture. Journal of Network and Computer Applications, 2011, 34, 609-618.	5.8	197

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127	Dynamic identityâ€based single password antiâ€phishing protocol. Security and Communication Networks, 2011, 4, 418-427.	1.0	7
128	Secure Dynamic Identity-Based Authentication Scheme Using Smart Cards. Information Security Journal, 2011, 20, 67-77.	1.3	20
129	An improvement of Wang et al.'s authentication scheme using smart cards. , 2010, , .		12
130	An improvement of Liao et al.'s authentication scheme using smart cards. , 2010, , .		12
131	An improvement of Xu et al.'s authentication scheme using smart cards. , 2010, , .		36
132	An improvement of Hsiang-Shih's authentication scheme using smart cards. , 2010, , .		3
133	Smart card based secure authentication and key agreement protocol. , 2010, , .		1
134	Secure Dynamic Identity-Based Remote User Authentication Scheme. Lecture Notes in Computer Science, 2010, , 224-235.	1.0	12
135	An Improvement of Liou et al.'s Authentication Scheme using Smart Cards. International Journal of Computer Applications, 2010, 1, 17-24.	0.2	17
136	Cryptanalysis of password authentication schemes: Current status and key issues. , 2009, , .		13
137	An intelligent and secure system for predicting and preventing Zika virus outbreak using Fog computing. Enterprise Information Systems, 0, , 1-21.	3.3	48