Mayank Dave

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.

133 papers	1,419 citations	21 h-index	32 g-index
159 ext. papers	1,717 ext. citations	1.2 avg, IF	5.47 L-index

#	Paper	IF	Citations
133	Hybrid technique for robust and imperceptible multiple watermarking using medical images. *Multimedia Tools and Applications*, **2016**, 75, 8381-8401	2.5	103
132	Robust and Imperceptible Dual Watermarking for Telemedicine Applications. *Wireless Personal Communications*, **2015**, 80, 1415-1433	1.9	82
131	Multiple Watermarking on Medical Images Using Selective Discrete Wavelet Transform Coefficients. *Journal of Medical Imaging and Health Informatics*, **2015**, 5, 607-614	1.2	80
130	Hybrid Technique for Robust and Imperceptible Image Watermarking in DWT-DCT-SVD Domain. *The National Academy of Sciences, India*, **2014**, 37, 351-358	0.6	75
129	Robust and Secure Multiple Watermarking in Wavelet Domain. *Journal of Medical Imaging and Health Informatics*, **2015**, 5, 406-414	1.2	54
128	Software-defined Networking-based DDoS Defense Mechanisms. *ACM Computing Surveys*, **2019**, 52, 1-36	13.4	51
127	Multilevel Encrypted Text Watermarking on Medical Images Using Spread-Spectrum in DWT Domain. *Wireless Personal Communications*, **2015**, 83, 2133-2150	1.9	51
126	Energy Efficient Architecture for Intra and Inter Cluster Communication for Underwater Wireless Sensor Networks. *Wireless Personal Communications*, **2016**, 89, 687-707	1.9	39
125	Wavelet Based Image Watermarking: Futuristic Concepts in Information Security. *Proceedings of the National Academy of Sciences India Section A - Physical Sciences*, **2014**, 84, 345-359	0.9	37
124	Protocol Stack of Underwater Wireless Sensor Network: Classical Approaches and New Trends. *Wireless Personal Communications*, **2019**, 104, 995-1022	1.9	28
123	SAPDA: Secure Authentication with Protected Data Aggregation Scheme for Improving QoS in Scalable and Survivable UWSNs. *Wireless Personal Communications*, **2020**, 113, 1-15	1.9	27
122	Performance evaluation of sequentially combined heterogeneous feature streams for Hindi speech recognition system. *Telecommunication Systems*, **2013**, 52, 1457-1466	2.3	26
121	A novel fault detection and recovery technique for cluster-based underwater wireless sensor networks. *International Journal of Communication Systems*, **2018**, 31, e3485	1.7	25
120	Securing IoT Devices and SecurelyConnecting the Dots Using REST API and Middleware **2019**,		25
119	Network Partitioning Recovery Mechanisms in WSANs: a Survey. *Wireless Personal Communications*, **2013**, 72, 857-917	1.9	25
118	A Framework For Handling Local Broadcast Storm Using Probabilistic Data Aggregation In VANET. *Wireless Personal Communications*, **2013**, 72, 315-341	1.9	24
117	Data aggregation in underwater wireless sensor network: Recent approaches and issues. *Journal of King Saud University - Computer and Information Sciences*, **2019**, 31, 275-286	2.5	24

116	Improved Data Aggregation for Cluster Based Underwater Wireless Sensor Networks. *Proceedings of the National Academy of Sciences India Section A - Physical Sciences*, **2017**, 87, 235-245	0.9	23
115	Fuzzy based clustering and aggregation technique for Under Water Wireless Sensor Networks **2014** ,		23
114	A Hybrid Timer Based Single Node Failure Recovery Approach for WSANs. *Wireless Personal Communications*, **2014**, 77, 2155-2182	1.9	22
113	Digital Image Watermarking. *Advances in Information Security, Privacy, and Ethics Book Series*, **2016**, 246-272	0.3	22
112	Hybrid technique for robust and imperceptible dual watermarking using error correcting codes for application in telemedicine. *International Journal of Electronic Security and Digital Forensics*, **2014**, 6, 285	1	21
111	A novel technique for digital image watermarking in spatial domain **2012**,		21
110	Acoustic modeling problem for automatic speech recognition system: conventional methods (Part I). *International Journal of Speech Technology*, **2011**, 14, 297-308	1.3	18
109	BIIR: A Beacon Information Independent VANET Routing Algorithm with Low Broadcast Overhead. *Wireless Personal Communications*, **2016**, 87, 869-895	1.9	17
108	Filterbank optimization for robust ASR using GA and PSO. *International Journal of Speech Technology*, **2012**, 15, 191-201	1.3	17
107	An ant-based QoS-aware routing protocol for heterogeneous wireless sensor networks. *Soft Computing*, **2017**, 21, 6225-6236	3.5	16
106	Integration of multiple acoustic and language models for improved Hindi speech recognition system. *International Journal of Speech Technology*, **2012**, 15, 165-180	1.3	16
105	Performance Evaluation of Modified AODV for Load Balancing. *Journal of Computer Science*, **2007**, 3, 863-868	0.5	16
104	Trust model for cluster head validation in underwater wireless sensor networks. *Underwater Technology*, **2017**, 34, 106-113	0.3	15
103	Robust and Imperceptible Spread-Spectrum Watermarking for Telemedicine Applications. *Proceedings of the National Academy of Sciences India Section A - Physical Sciences*, **2015**, 85, 295-301	0.9	14
102	A Hybrid Approach for Path Vulnerability Matrix on Random Key Predistribution for Wireless Sensor Networks. *Wireless Personal Communications*, **2017**, 94, 3327-3353	1.9	13
101	Relay node placement to heal partitioned wireless sensor networks. *Computers and Electrical Engineering*, **2015**, 48, 371-388	4.3	12
100	DNA cryptography: a novel paradigm for secure routing in Mobile Ad hoc Networks (MANETs). *Journal of Discrete Mathematical Sciences and Cryptography*, **2008**, 11, 393-404	1.7	12
99	An attack model based highly secure key management scheme for wireless sensor networks. *Procedia Computer Science*, **2018**, 125, 201-207	1.6	11

98	Acoustic modeling problem for automatic speech recognition system: advances and refinements (Part II). *International Journal of Speech Technology*, **2011**, 14, 309-320	1.3	10
97	Image-to-Image Translation Using Generative Adversarial Network **2019**,		9
96	Genetic Algorithm and Tabu Search Attack on the Mono-Alphabetic Substitution Cipher in Adhoc Networks. *Journal of Computer Science*, **2007**, 3, 134-137	0.5	9
95	A Hybrid Algorithm for Image Watermarking against Signal Processing Attacks. *Lecture Notes in Computer Science*, **2013**, 235-246	0.9	9
94	Semantic approach for Web service classification using machine learning and measures of semantic relatedness. *Service Oriented Computing and Applications*, **2016**, 10, 221-231	1.6	8
93	Adaptive Error Control Technique for Cluster-Based Underwater Wireless Sensor Networks. *Lecture Notes on Data Engineering and Communications Technologies*, **2018**, 269-280	0.4	8
92	Firefly algorithm based clustering technique for Wireless Sensor Networks **2016**,		8
91	Defending DDoS against Software Defined Networks using Entropy **2019**,		8
90	Mobility Models and their Affect on Data Aggregation and Dissemination in Vehicular Networks. *Wireless Personal Communications*, **2014**, 79, 2237-2269	1.9	8
89	ACO Based QoS Aware Routing for Wireless Sensor Networks with Heterogeneous Nodes. *Lecture Notes in Electrical Engineering*, **2014**, 157-168	0.2	8
88	Fitness Evaluation of Gaussian Mixtures in Hindi Speech Recognition System **2010**,		8
87	A cost-effective attack matrix based key management scheme with dominance key set for wireless sensor network security. *International Journal of Communication Systems*, **2018**, 31, e3713	1.7	7
86	Security-based service broker policy for FOG computing environment **2017**,		7
85	Recovery of Lost Connectivity in Wireless Sensor and Actor Networks using Static Sensors as Bridge Routers. *Procedia Computer Science*, **2015**, 70, 491-498	1.6	7
84	Antecedence Graph Approach to Checkpointing for Fault Tolerance in Mobile Agent Systems. *IEEE Transactions on Computers*, **2013**, 62, 247-258	2.5	7
83	Discriminative Techniques for Hindi Speech Recognition System. *Communications in Computer and Information Science*, **2011**, 261-266	0.3	7
82	Congestion control and load balancing for cluster based underwater wireless sensor networks **2016** ,		7
81	Data Augmentation Using Generative Adversarial Network. *SSRN Electronic Journal*, **2019**,	1	6

80	Deployment Based Attack Resistant Key Distribution with Non Overlapping Key Pools in WSN. *Wireless Personal Communications*, **2018**, 99, 1541-1568	1.9	6
79	Secure data storage operations with verifiable outsourced decryption for mobile cloud computing **2014**,		6
78	Secure and efficient key delivery in VANET using cloud and fog computing **2017**,		6
77	Node Stability Aware Energy Efficient Single Node Failure Recovery Approach for WSANs. *Malaysian Journal of Computer Science*, **2016**, 29, 106-123	1.2	6
76	Multi-Authority Attribute Based Data Access Control in Fog Computing. *Procedia Computer Science*, **2018**, 132, 1449-1457	1.6	6
75	**2014**,		5
74	Priority Based Service Broker Policy for Fog Computing Environment. *Communications in Computer and Information Science*, **2017**, 84-93	0.3	5
73	Proactive DDoS attack detection and isolation **2017**,		5
72	DDoS Attacks and Defense Mechanisms Using Machine Learning Techniques for SDN. *Advances in Information Security, Privacy, and Ethics Book Series*, **2020**, 193-214	0.3	5
71	Improved Bat Algorithm Based Energy Efficient Congestion Control Scheme for Wireless Sensor Networks. *Wireless Sensor Network*, **2016**, 08, 229-241	0.9	5
70	An attack resistant key predistribution scheme for wireless sensor networks. *Journal of King Saud University - Computer and Information Sciences*, **2021**, 33, 268-280	2.5	5
69	Detection and Analysis of TCP-SYN DDoS Attack in Software-Defined Networking. *Wireless Personal Communications*, **2021**, 118, 2295-2317	1.9	5
68	DDDRC: decentralised data dissemination in VANET using raptor codes. *International Journal of Electronics*, **2015**, 102, 946-966	1.2	4
67	Storage as a parameter for classifying dynamic key management schemes proposed for WSNs **2016** ,		4
66	Bio inspired congestion control mechanism for Wireless Sensor Networks **2015**,		4
65	DDoS attack isolation using moving target defense **2017**,		4
64	PeerFox: Detecting parasite P2P botnets in their waiting stage **2015**,		4
63	Congestion Control in Wireless Sensor Networks Based on Bioluminescent Firefly Behavior. *Wireless Sensor Network*, **2015**, 07, 149-156	0.9	4

62	Knowledge Based Framework for Data Aggregation in Vehicular Ad Hoc Networks. *Communications in Computer and Information Science*, **2011**, 722-727	0.3	4
61	An improved hybrid key management scheme for wireless sensor networks **2016**,		4
60	Hybrid Color Image Watermarking Algorithm Based on DSWT-DCT-SVD and Arnold Transform. *Lecture Notes in Electrical Engineering*, **2019**, 327-336	0.2	4
59	Google based hybrid approach for discovering services **2015**,		3
58	Restoration of lost connectivity of partitioned wireless sensor networks. *Cogent Engineering*, **2016**, 3, 1186263	1.5	3
57	A Review on Content Centric Networking and Caching Strategies **2015**,		3
56	Recent Trends in Speech Recognition Systems **2012**, 101-127		3
55	A Secure Time-Stamp Based Concurrency Control Protocol For Distributed Databases. *Journal of Computer Science*, **2007**, 3, 561-565	0.5	3
54	Voting-based intrusion detection framework for securing software-defined networks. *Concurrency Computation Practice and Experience*, **2020**, 32, e5927	1.4	3
53	Data relationship degreeBased clustering data aggregation for VANET. *International Journal of Electronics*, **2016**, 103, 485-503	1.2	2
52	Cost Effective Caching in Content Centric Networking **2015**,		2
51	A distributed approach for selection of optimal actor nodes in wireless sensor and actor networks **2014**,		2
50	Stability Based Routing Scheme for Vehicular Networks **2012**,		2
49	**2012**,		2
48	Application of genetically optimized neural networks for hindi speech recognition system **2011**,		2
47	Weighted load balanced routing protocol for MANET **2008**,		2
46	Ant colony based rule generation for reusable software component retrieval **2008**,		2
45	A Review of Security in Mobile Ad hoc Networks. *IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)*, **2006**, 23, 335-344	1.5	2

44	Voting based Intrusion Detection Framework for Securing Software-Defined Networks		2
43	Load Balanced Routing Mechanisms for Mobile Ad Hoc Networks. *International Journal of Communications, Network and System Sciences*, **2009**, 02, 627-635	0.2	2
42	QoS Enabled Probabilistic Routing for Heterogeneous Wireless Sensor Networks. *International Journal of Computer Network and Information Security*, **2013**, 5, 31-39	1.6	2
41	Improving Result Diversity Using Query Term Proximity in Exploratory Search. *Lecture Notes in Computer Science*, **2019**, 67-87	0.9	2
40	Lost Connectivity Restoration in Partitioned Wireless Sensor Networks. *Advances in Intelligent Systems and Computing*, **2016**, 89-98	0.4	2
39	Distributed Real Time Architecture for Data Placement in Wireless Sensor Networks. *Journal of Computer Science*, **2009**, 5, 1060-1067	0.5	2
38	MFZLP: Multihop Far Zone Leach Protocol for WSNs. *Journal of Computational Intelligence and Electronic Systems*, **2013**, 2, 45-49		2
37	Analysis and Detection of Brain Tumor Using U-Net-Based Deep Learning. *Advances in Intelligent Systems and Computing*, **2020**, 161-173	0.4	2
36	Robust and imperceptible color image watermarking for telemedicine applications **2016**,		2
35	Robust Hybrid Image and Audio Watermarking Using Cyclic Codes and Arnold Transform **2019**,		2
34	Forensic Investigation-Based Framework for SDN Using Blockchain. *Advances in Information Security, Privacy, and Ethics Book Series*, **2021**, 74-98	0.3	2
33	A review of recent Peer-to-Peer botnet detection techniques **2015**,		1
32	A multi-criterion fuzzy logic intra-cluster and inter-cluster-based stable cluster head election approach in large scale WSN. *International Journal of Communication Networks and Distributed Systems*, **2016**, 17, 433	0.4	1
31	Normalized similarity based semantic approach for discovery of web services **2014**,		1
30	Performance comparison of wavelet filters against signal processing attacks **2013**,		1
29	Performance evaluation of ant based routing protocol for WSNs with Heterogeneous nodes under different radio propagation models **2013**,		1
28	A resilient and seamless rekeying scheme based on random key distribution for WSN **2017**,		1
27	Cost Effective Caching in Content Centric Networking **2015**,		1

26	A novel technique for digital image watermarking in frequency domain **2012**,		1
25	Early Handoff mechanism for integrating VANET into Hybrid Wireless Network **2013**,		1
24	A Novel Approach for Information Dissemination in Vehicular Networks. *Communications in Computer and Information Science*, **2011**, 548-556	0.3	1
23	Ant colony based rule generation for reusable software component retrieval. *Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM*, **2010** , 35, 1-5	0.4	1
22	Rescuing data of mobile agents blocked by malicious hosts in e-service applications **2011**,		1
21	CHANGE MANAGEMENT AND SOFTWARE REUSE SUPPORTIVE GENETIC INFORMATION SYSTEM DEVELOPMENT AND MAINTENANCE MODEL. *International Journal of Software Engineering and Knowledge Engineering*, **2009**, 19, 113-136	1	1
20	Smart Fog-Based Video Surveillance with Privacy Preservation based on Blockchain. *Wireless Personal Communications*,1	1.9	1
19	Key Management in WSN Security. *Advances in Wireless Technologies and Telecommunication Book Series*, **2019**, 303-325	0.2	1
18	Hybrid Technique for Robust and Imperceptible Image Watermarking in DWT-DCT-SVD Domain **2014**, 37, 351		1
17	Model of Real Time Architecture for Data Placement in Wireless Sensor Networks. *Wireless Sensor Network*, **2010**, 02, 53-61	0.9	1
16	Actor node based on-demand rekeying scheme for wireless sensor and actor networks **2016**,		1
15	Securing User Access at IoT Middleware Using Attribute Based Access Control **2019**,		1
14	DDoS Attacks and Defense Mechanisms Using Machine Learning Techniques for SDN **2021**, 248-264		1
13	Secure Path Key Establishment Schemes Based on Random Key Management for WSN. *Proceedings of the National Academy of Sciences India Section A - Physical Sciences*, **2020**, 91, 555	0.9	0
12	Improving the Effectiveness of Moving Target Defenses by Amplifying Randomization. *Algorithms for Intelligent Systems*, **2020**, 27-36	0.5	0
11	Crypto-Preserving Investigation Framework for Deep Learning Based Malware Attack Detection for Network Forensics. *Wireless Personal Communications*,1	1.9	0
10	MAC Protocols in Body Area Network-A Survey. *Studies in Big Data*, **2017**, 87-107	0.9	
9	Energy Efficient Rekeying Protocol for Wireless Sensor and Actor Networks. *Lecture Notes in Computer Science*, **2017**, 533-544	0.9	

8	Acoustic model combinations for continuous speech recognition system. *International Journal of Computational Systems Engineering*, **2012**, 1, 79	0.2
7	Unified Approach for QoS Management with Adaptation and Renegotiation. *IETE Journal of Research*, **2004**, 50, 345-352	0.9
6	Reducing Network Overhead with Common Junction Methodology210-220	
5	Tied Mixture Modeling in Hindi Speech Recognition System. *Communications in Computer and Information Science*, **2010**, 514-519	0.3
4	Reducing Network Overhead with Common Junction Methodology. *International Journal of Mobile Computing and Multimedia Communications*, **2011**, 3, 51-61	0.7
3	Real Time Approach for Data Placement Using Distributed Cellular Framework Based Clustering for Large Scale Sensor Networks. *Lecture Notes in Electrical Engineering*, **2012**, 261-271	0.2
2	Novel Monitoring Mechanism for Distributed System Software Using Mobile Agents. *Advances in Intelligent Systems and Computing*, **2013**, 383-392	0.4
1	Towards Utilizing Blockchain for Countering Distributed Denial-of-Service (DDoS). *Advances in Information Security, Privacy, and Ethics Book Series*, **2021**, 35-58	0.3