

# Chhagan Lal

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,570  
citations

471509

17  
h-index

395702

33  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1651  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey on Security and Privacy Issues of Bitcoin. IEEE Communications Surveys and Tutorials, 2018, 20, 3416-3452.	39.4	615
2	SAFETY: Early Detection and Mitigation of TCP SYN Flood Utilizing Entropy in SDN. IEEE Transactions on Network and Service Management, 2018, 15, 1545-1559.	4.9	127
3	Blockchain-Enabled Secure Energy Trading With Verifiable Fairness in Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2020, 16, 6564-6574.	11.3	115
4	LEChain: A blockchain-based lawful evidence management scheme for digital forensics. Future Generation Computer Systems, 2021, 115, 406-420.	7.5	68
5	Toward the Development of Secure Underwater Acoustic Networks. IEEE Journal of Oceanic Engineering, 2017, 42, 1075-1087.	3.8	51
6	LiDL: Localization with early detection of sybil and wormhole attacks in IoT Networks. Computers and Security, 2020, 94, 101849.	6.0	49
7	Lightweight solutions to counter DDoS attacks in software defined networking. Wireless Networks, 2019, 25, 2751-2768.	3.0	35
8	Security and design requirements for software-defined VANETs. Computer Networks, 2020, 169, 107099.	5.1	35
9	Secure underwater acoustic networks: Current and future research directions. , 2016, , .		30
10	SLDP: A secure and lightweight link discovery protocol for software defined networking. Computer Networks, 2019, 150, 102-116.	5.1	29
11	REMI. , 2017, , .		26
12	Anonymous and Verifiable Reputation System for E-Commerce Platforms Based on Blockchain. IEEE Transactions on Network and Service Management, 2021, 18, 4434-4449.	4.9	26
13	A Node-Disjoint Multipath Routing Method Based on AODV Protocol for MANETs. , 2012, , .		24
14	BlockAuth: BlockChain based distributed producer authentication in ICN. Computer Networks, 2019, 164, 106888.	5.1	23
15	CENSOR: Cloud-enabled secure IoT architecture over SDN paradigm. Concurrency Computation Practice and Experience, 2019, 31, e4978.	2.2	22
16	Bandwidth-aware routing and admission control for efficient video streaming over MANETs. Wireless Networks, 2015, 21, 95-114.	3.0	20
17	The Road Ahead for Networking: A Survey on ICN-IP Coexistence Solutions. IEEE Communications Surveys and Tutorials, 2020, 22, 2104-2129.	39.4	20
18	Performance analysis of MANET routing protocols for multimedia traffic. , 2011, , .		19

#	ARTICLE	IF	CITATIONS
19	JellyFish attack: Analysis, detection and countermeasure in TCP-based MANET. Journal of Information Security and Applications, 2015, 22, 99-112.	2.5	19
20	Reliable and secure data transfer in IoT networks. Wireless Networks, 2020, 26, 5689-5702.	3.0	19
21	AEGIS: Detection and Mitigation of TCP SYN Flood on SDN Controller. IEEE Transactions on Network and Service Management, 2021, 18, 745-759.	4.9	18
22	Privacy-preserving Navigation Supporting Similar Queries in Vehicular Networks. IEEE Transactions on Dependable and Secure Computing, 2020, , 1-1.	5.4	17
23	Enhancing QoE for video streaming in MANETs via multi-constraint routing. Wireless Networks, 2018, 24, 235-256.	3.0	15
24	Impact analysis of JellyFish attack on TCP-based mobile ad-hoc networks. , 2013, , .		14
25	SYNâ€Guard: An effective counter for SYN flooding attack in softwareâ€defined networking. International Journal of Communication Systems, 2019, 32, e4061.	2.5	14
26	TARE: Topology Adaptive Re-kEying scheme for secure group communication in IoT networks. Wireless Networks, 2020, 26, 2449-2463.	3.0	13
27	LSMRP: Link stability based multicast routing protocol in MANETs. , 2014, , .		12
28	TILAK: A tokenâ€based prevention approach for topology discovery threats in SDN. International Journal of Communication Systems, 2019, 32, e3781.	2.5	12
29	User-Defined Privacy-Preserving Traffic Monitoring Against n-by-1 Jamming Attack. IEEE/ACM Transactions on Networking, 2022, 30, 2060-2073.	3.8	10
30	Context-based Co-presence detection techniques: A survey. Computers and Security, 2020, 88, 101652.	6.0	8
31	One-Time, Oblivious, and Unlinkable Query Processing Over Encrypted Data on Cloud. Lecture Notes in Computer Science, 2020, , 350-365.	1.3	8
32	Practical extensions to countermeasure DoS attacks in software defined networking. , 2017, , .		7
33	Fair-RTT-DAS: A robust and efficient dynamic adaptive streaming over ICN. Computer Communications, 2018, 129, 209-225.	5.1	7
34	Mobility-aware cross-layer routing for peer-to-peer networks. Computers and Electrical Engineering, 2019, 73, 209-226.	4.8	7
35	QoS-aware routing for transmission of H.264/SVC encoded video traffic over MANETs. , 2013, , .		5
36	Enhancing QoS for Multimedia Services Using Mobility-Aware Bandwidth Estimation Algorithm in MANETs. Lecture Notes in Electrical Engineering, 2018, , 655-666.	0.4	5

#	ARTICLE	IF	CITATIONS
37	Video streaming over MANETs: Testing and analysis using real-time emulation. , 2013, , .		4
38	Privacy for 5G-Supported Vehicular Networks. IEEE Open Journal of the Communications Society, 2021, 2, 1935-1956.	6.9	4
39	Multi-constraint Zigbee routing to prolong lifetime of mobile wireless sensor networks. International Journal of Ad Hoc and Ubiquitous Computing, 2019, 31, 244.	0.5	4
40	Software defined network-based HTTP flooding attack defender. Computers and Electrical Engineering, 2022, 101, 108019.	4.8	4
41	A rate adaptive and multipath routing protocol to support video streaming in MANETs. , 2012, , .		3
42	An adaptive cross-layer routing protocol for delay-sensitive applications over MANETs. , 2013, , .		2
43	NC based DAS-NDN: Network Coding for robust Dynamic Adaptive Streaming over NDN. Computer Networks, 2020, 174, 107222.	5.1	2
44	Analysis of Identity Forging Attack in MANETs. , 2014, , .		1
45	Mobility-Aware and Radio Characteristics Enabled Routing for Video Streaming over MANETs. Wireless Personal Communications, 2020, 110, 1795-1824.	2.7	0
46	A Rate Adaptation Scheme to Support QoS for H.264/SVC Encoded Video Streams over MANETs. Communications in Computer and Information Science, 2011, , 86-95.	0.5	0
47	Improving QoE Using Link Stability for Video Streaming in MANETs. Lecture Notes in Computer Science, 2016, , 339-353.	1.3	0