Huachun Zhou

List of Publications by Year
in descending order

63 papers	811 citations	687335 13 h-index	610883 24 g-index
63 all docs	63 docs citations	63 times ranked	878 citing authors

#	Article	IF	Citations
1	Efficient Provision of Service Function Chains in Overlay Networks Using Reinforcement Learning. IEEE Transactions on Cloud Computing, 2022, 10, 383-395.	4.4	17
2	Cross-Modal Object Detection Based on a Knowledge Update. Sensors, 2022, 22, 1338.	3.8	2
3	Efficient Cache Consistency Management for Transient IoT Data in Content-Centric Networking. IEEE Internet of Things Journal, 2022, 9, 12931-12944.	8.7	26
4	Two-Stage Intelligent Model for Detecting Malicious DDoS Behavior. Sensors, 2022, 22, 2532.	3.8	10
5	Blockchain Empowered Federated Learning for Distributed Network Security Behaviour Knowledge Base in 6G. Security and Communication Networks, 2022, 2022, 1-11.	1.5	1
6	Research on Performance Optimization and Application in Smart Home for Hyperledger Fabric. Sensors, 2022, 22, 3222.	3.8	7
7	An Efficient NDN Routing Mechanism Design in P4 Environment. , 2021, , .		8
8	A Mobility Management Method for Space-Earth Integration Network Based on Identity Mapping System. , 2021, , .		4
9	Distributed Network Intrusion Detection System in Satellite-Terrestrial Integrated Networks Using Federated Learning. IEEE Access, 2020, 8, 214852-214865.	4.2	38
10	An Energy-Efficient Topology Design and DDoS Attacks Mitigation for Green Software-Defined Satellite Network. IEEE Access, 2020, 8, 211434-211450.	4.2	10
11	Intelligent Rapid Adaptive Offloading Algorithm for Computational Services in Dynamic Internet of Things System. Sensors, 2019, 19, 3423.	3.8	8
12	CA-CWA: Channel-Aware Contention Window Adaption in IEEE 802.11ah for Soft Real-Time Industrial Applications. Sensors, 2019, 19, 3002.	3.8	12
13	A Joint Reliable Transport Strategy in Internet of Vehicles. Electronics (Switzerland), 2019, 8, 926.	3.1	2
14	A Routing Optimization Method for Software-Defined SGIN Based on Deep Reinforcement Learning. , 2019, , .		13
15	Theoretical Analysis on Edge Computation Offloading Policies for IoT Devices. IEEE Internet of Things Journal, 2019, 6, 4228-4241.	8.7	23
16	Rule Anomaly-Free Mechanism of Security Function Chaining in 5G. IEEE Access, 2018, 6, 13653-13662.	4.2	4
17	R^{2}T: A Rapid and Reliable Hop-by-Hop Transport Mechanism for Information-Centric Networking. IEEE Access, 2018, 6, 15311-15325.	4.2	8
18	SERvICE: A Software Defined Framework for Integrated Space-Terrestrial Satellite Communication. IEEE Transactions on Mobile Computing, 2018, 17, 703-716.	5.8	117

#	Article	IF	Citations
19	Performance Evaluation of IEEE 802.11ah Triggered Restricted Access Window Mode in Industrial Real-Time Applications. , 2018, , .		3
20	Efficient Mappings of Service Function Chains at Terrestrial-Satellite Hybrid Cloud Networks. , 2018, , .		5
21	Automatic Selection of Security Service Function Chaining Using Reinforcement Learning. , 2018, , .		10
22	PoTiA: A Popularity and Timeout Analysis Based SDN Controller Protection Approach. IEEE Access, 2018, 6, 59253-59267.	4.2	3
23	MTF: Mitigating Link Flooding Attacks in Delay Tolerant Networks. , 2018, , .		0
24	An SMDP-Based Service Function Allocation Scheme for Mobile Edge Clouds. , 2018, , .		1
25	Context-Aware Service Function Chaining and Its Cost-Effective Orchestration in Multi-Domain Networks. IEEE Access, 2018, 6, 34976-34991.	4.2	16
26	Locator/Identifier Split Networking: A Promising Future Internet Architecture. IEEE Communications Surveys and Tutorials, 2017, 19, 2927-2948.	39.4	59
27	Modeling software defined satellite networks using queueing theory. , 2017, , .		7
28	A Transmission Mechanism of the Backup for Disaster Recovery in DCNs. , 2017, , .		0
29	HCaching: High-Speed Caching for Information-Centric Networking. , 2017, , .		1
30	Det-WiFi: A Multihop TDMA MAC Implementation for Industrial Deterministic Applications Based on Commodity 802.11 Hardware. Wireless Communications and Mobile Computing, 2017, 2017, 1-10.	1.2	17
31	Fuzzy Theory Based Security Service Chaining for Sustainable Mobile-Edge Computing. Mobile Information Systems, 2017, 2017, 1-13.	0.6	20
32	Traffic Aware Inter-Layer Contact Selection for Multi-Layer Satellite Terrestrial Network. , 2017, , .		12
33	Timeout Strategy-based Mobility Management for Software Defined Satellite Networks. , 2017, , .		9
34	A Popularity-Based Cache Consistency Mechanism for Information-Centric Networking. , 2016, , .		12
35	SAT-GRD: An ID/Loc split network architecture interconnecting satellite and ground networks. , 2016, , .		14
36	EmuStack: An OpenStack-Based DTN Network Emulation Platform. , 2016, , .		8

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37	Using SDN and NFV to Implement Satellite Communication Networks. , 2016, , .		41
38	Super node routing strategy in content-centric networking. Transactions of Tianjin University, 2015, 21, 122-128.	6.4	3
39	Efficient source mobility support in content-centric networking. Journal of High Speed Networks, 2014, 20, 95-112.	0.8	4
40	A Case Study for Potential Carpooling in Beijing. , 2014, , .		2
41	Optimizing content routers deployment in large-scale information centric core-edge separation Internet. International Journal of Communication Systems, 2014, 27, 794-810.	2.5	8
42	An exploration of cache collaboration in information-centric network. International Journal of Communication Systems, 2014, 27, 1243-1267.	2.5	9
43	A Lease Algorithm to Maintain Strong Mapping Cache Consistency. Wireless Personal Communications, 2014, 76, 713-730.	2.7	1
44	An Optimization-Based Scheme for Efficient Virtual Machine Placement. International Journal of Parallel Programming, 2014, 42, 853-872.	1.5	50
45	A source mobility management scheme in content-centric networking. , 2014, , .		3
46	Cross-correlations and structures of stock markets based on multiscale MF-DXA and PCA. Nonlinear Dynamics, 2014, 78, 485-494.	5.2	35
47	RDAI: Router-Based Data Aggregates Identification Mechanism for Named Data Networking. , 2013, , .		2
48	Proactive Caching for Enhancing User-Side Mobility Support in Named Data Networking. , 2013, , .		43
49	Connection Characteristics Analyses Based on Access Network Data. , 2013, , .		0
50	An Efficient Distributed Mobility Management Scheme Based on PMIPv6. , 2012, , .		12
51	Implementation and Test of PMIPv6 Dual Stack Protocol. , 2012, , .		1
52	A smart notification scheme for wireless sensor networks. , 2012, , .		0
53	Performance Analysis of Reliable Transmission on Multiple Paths and Single Path. , 2012, , .		5
54	Performance analysis for distributed mobility management schemes based on flow duration. , 2012, , .		3

#	ARTICLE	IF	CITATIONS
55	Application-Aware Virtual Machine Placement in Data Centers. , 2012, , .		9
56	Mobility Management Research of Internet Based on the Splitting Mechanism. , 2011, , .		1
57	A Proxy Mobile IPv6 Based Global Mobility Management Architecture and Protocol. Mobile Networks and Applications, 2010, 15, 530-542.	3.3	16
58	A new probabilistic packet marking technology based on path identification. , 2009, , .		2
59	SHIP: Cross-layer mobility management scheme based onÂSession Initiation Protocol and Host Identity Protocol. Telecommunication Systems, 2009, 42, 5-15.	2.5	23
60	An authentication method for proxy mobile IPv6 and performance analysis. Security and Communication Networks, 2009, 2, 445-454.	1.5	13
61	NEMO-Based Multiple Interfaces Scheme between Overlay Heterogenous Access Networks. , 2008, , .		3
62	An Authentication Protocol for Proxy Mobile IPv6. , 2008, , .		7
63	Speed-Based Probability-Driven Seamless Handover Scheme between WLAN and UMTS. , 2008, , .		8