

Software-Defined Networking for Internet of Things: A

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Optimal Placement of Cloudlets for Access Delay Minimization in SDN-Based Internet of Things Networks. IEEE Internet of Things Journal, 2018, 5, 1334-1344.	8.7	91
2	Blockchain based hybrid network architecture for the smart city. Future Generation Computer Systems, 2018, 86, 650-655.	7.5	274
3	Software Defined Networking (SDN) and its Security Issues. , 2018, , .		11
4	A Novel Approach for Service Function Chain (SFC) Mapping with Multiple SFC instances in a Fog-To-Cloud Computing System. , 2018, , .		7
5	S-MANAGE Protocol For Software-Defined IoT. , 2018, , .		3
6	Development of a QoS Provisioning Capable Cost-Effective SDN-based Switch for IoT Communication. , 2018, , .		3
7	SDQ-PPPI: Software Defined Quadcopter-Power Prediction Platform IoT for Efficient Wind Turbine Power Generation. , 2018, , .		0
8	Software-Defined Virtual Testbed for IoT Systems. Wireless Communications and Mobile Computing, 2018, 2018, 1-11.	1.2	10
9	SDN-Assisted IoT Architecture: A Review. , 2018, , .		4
10	Security for Internet of Things: The SerIoT Project. , 2018, , .		18
11	A Lightweight Edge Computing Platform Integration Video Services. , 2018, , .		7
12	Software Architecture Solution Based on SDN for an Industrial IoT Scenario. Wireless Communications and Mobile Computing, 2018, 2018, 1-12.	1.2	22
13	A Generalized SDN Framework for Optical Wireless Communication Networks. , 2018, , .		1
14	Enhancing the Isolation and Performance of Control Planes for Fog Computing. Sensors, 2018, 18, 3267.	3.8	6
15	VR-CPES: A Novel Cyber-Physical Education Systems for Interactive VR Services Based on a Mobile Platform. Mobile Information Systems, 2018, 2018, 1-10.	0.6	6
16	Datanet: Deep Learning Based Encrypted Network Traffic Classification in SDN Home Gateway. IEEE Access, 2018, 6, 55380-55391.	4.2	150
17	Evolving SDN for Low-Power IoT Networks. , 2018, , .		45
18	Future Spaces: Reinventing the Home Network for Better Security and Automation in the IoT Era. Sensors, 2018, 18, 2986.	3.8	17

#	ARTICLE	IF	CITATIONS
19	Centralized framework for controlling heterogeneous appliances in a smart home environment. , 2018, , .		13
20	Hybrid SDN Networks: A Survey of Existing Approaches. IEEE Communications Surveys and Tutorials, 2018, 20, 3259-3306.	39.4	236
21	Research and Innovation Action for the Security of the Internet of Things: The SerIoT Project. Communications in Computer and Information Science, 2018, , 101-118.	0.5	17
22	<scp>PYGRID: A</scp> software development and assessment framework for grid-aware software defined networking. International Journal of Network Management, 2018, 28, e2033.	2.2	9
23	An implementation of software defined network with Raspberry Pi. , 2018, , .		2
24	IoT survey: An SDN and fog computing perspective. Computer Networks, 2018, 143, 221-246.	5.1	150
25	An SDN-Based Connectivity Control System for Wi-Fi Devices. Wireless Communications and Mobile Computing, 2018, 2018, 1-10.	1.2	2
26	A Novel Multichannel Internet of Things Based on Dynamic Spectrum Sharing in 5G Communication. IEEE Internet of Things Journal, 2019, 6, 5962-5970.	8.7	217
27	A Survey on Emerging SDN and NFV Security Mechanisms for IoT Systems. IEEE Communications Surveys and Tutorials, 2019, 21, 812-837.	39.4	279
28	A Survey of Machine Learning Techniques Applied to Software Defined Networking (SDN): Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2019, 21, 393-430.	39.4	418
29	SDN on BLE: Controlling Resource Constrained Mesh Networks. , 2019, , .		2
30	A Pub/Sub SDN-Integrated Framework for IoT Traffic Orchestration. , 2019, , .		4
31	Runtime and Routing Security Policy Verification for Enhanced Quality of Service of IoT Networks. , 2019, , .		1
32	Data Driven Resource Allocation for NFV-Based Internet of Things. IEEE Internet of Things Journal, 2019, 6, 8310-8322.	8.7	8
33	Software-defined wireless sensor networks in smart grids: An overview. Sustainable Cities and Society, 2019, 51, 101754.	10.4	60
34	An Architecture Framework for Virtualization of IoT Network. , 2019, , .		10
35	Machine Learning for 5G/B5G Mobile and Wireless Communications: Potential, Limitations, and Future Directions. IEEE Access, 2019, 7, 137184-137206.	4.2	245
36	Packet Key-Based End-to-End Security Management on a Blockchain Control Plane. Sensors, 2019, 19, 2310.	3.8	14

#	ARTICLE	IF	CITATIONS
37	Blockchain for Internet of Things: A Survey. IEEE Internet of Things Journal, 2019, 6, 8076-8094.	8.7	769
38	Atomic-SDN: Is Synchronous Flooding the Solution to Software-Defined Networking in IoT?. IEEE Access, 2019, 7, 96019-96034.	4.2	25
39	Using Vehicles as Fog Infrastructures for Transportation Cyber-Physical Systems (T-CPS). International Journal of Software Science and Computational Intelligence, 2019, 11, 47-69.	3.0	40
40	Wavelet against random forest for anomaly mitigation in software-defined networking. Applied Soft Computing Journal, 2019, 80, 138-153.	7.2	11
41	<i>Detour:</i> Dynamic Task Offloading in Software-Defined Fog for IoT Applications. IEEE Journal on Selected Areas in Communications, 2019, 37, 1159-1166.	14.0	166
42	Intelligent Latency-Aware Virtual Network Embedding for Industrial Wireless Networks. IEEE Internet of Things Journal, 2019, 6, 7484-7496.	8.7	21
43	SDN-Enabled MIMO Heterogeneous Cooperative Networks With Flexible Cell Association. IEEE Transactions on Wireless Communications, 2019, 18, 2037-2050.	9.2	8
44	SDN enabled cloud, IoT and DCNs: A comprehensive Survey. , 2019, , .		1
45	TLS-VaD: A New Tool for Developing Centralized Link-Scheduling Algorithms on the IEEE802.15.4e TSCH Network. Electronics (Switzerland), 2019, 8, 1555.	3.1	0
46	Forensic of Things: Revisiting Digital Forensic Investigations in Internet of Things. , 2019, , .		5
47	Mobi-Flow: Mobility-Aware Adaptive Flow-Rule Placement in Software-Defined Access Network. IEEE Transactions on Mobile Computing, 2019, 18, 1831-1842.	5.8	32
48	UAV Communications for 5G and Beyond: Recent Advances and Future Trends. IEEE Internet of Things Journal, 2019, 6, 2241-2263.	8.7	864
49	A Survey on Research Challenges and Applications in Empowering the SDN-Based Internet of Things. Advances in Intelligent Systems and Computing, 2019, , 457-467.	0.6	5
50	Intent-based service management for heterogeneous software-defined infrastructure domains. International Journal of Network Management, 2019, 29, e2051.	2.2	20
51	Artificial intelligence enabled software-defined networking: a comprehensive overview. IET Networks, 2019, 8, 79-99.	1.8	80
52	The wireless control plane: An overview and directions for future research. Journal of Network and Computer Applications, 2019, 126, 104-122.	9.1	13
53	Forwarding Rule Multiplexing for Scalable SDN-Based Internet of Things. IEEE Internet of Things Journal, 2019, 6, 3373-3385.	8.7	13
54	CENSOR: Cloud-enabled secure IoT architecture over SDN paradigm. Concurrency Computation Practice and Experience, 2019, 31, e4978.	2.2	22

#	ARTICLE	IF	CITATIONS
55	Internet of Things, big data and the economics of networked vehicles. Telecommunications Policy, 2019, 43, 171-181.	5.3	26
56	Detection of DDoS Attack Using SDN in IoT: A Survey. Lecture Notes on Data Engineering and Communications Technologies, 2020, , 438-452.	0.7	8
57	SDNMMâ€™A Generic SDN-Based Modular Management System for Wireless Sensor Networks. IEEE Systems Journal, 2020, 14, 2347-2357.	4.6	10
58	A Software-Defined IoT Device Management Framework for Edge and Cloud Computing. IEEE Internet of Things Journal, 2020, 7, 1718-1735.	8.7	44
59	ESMLB: Efficient Switch Migration-Based Load Balancing for Multicontroller SDN in IoT. IEEE Internet of Things Journal, 2020, 7, 5852-5860.	8.7	60
60	A Software-Defined Management System for IP-Enabled WSNs. IEEE Systems Journal, 2020, 14, 2335-2346.	4.6	11
61	Energy aware edge computing: A survey. Computer Communications, 2020, 151, 556-580.	5.1	97
62	Multimedia Internet of Things: A Comprehensive Survey. IEEE Access, 2020, 8, 8202-8250.	4.2	194
63	Toward Massive Connectivity for IoT in Mixed-ADC Distributed Massive MIMO. IEEE Internet of Things Journal, 2020, 7, 1841-1856.	8.7	24
64	Two-Stage Offloading Optimization for Energyâ€™Latency Tradeoff With Mobile Edge Computing in Maritime Internet of Things. IEEE Internet of Things Journal, 2020, 7, 5954-5963.	8.7	76
65	Performance Analysis of Software-Defined Multihop Wireless Sensor Networks. IEEE Systems Journal, 2020, 14, 4653-4662.	4.6	14
66	Whispering to Industrial IoT for converging multi-domain Network Programmability. , 2020, , .		2
67	Rule Caching in SDN-Enabled Base Stations Supporting Massive IoT Devices With Bursty Traffic. IEEE Internet of Things Journal, 2020, 7, 8917-8931.	8.7	10
68	The Role of Artificial Intelligence Driven 5G Networks in COVID-19 Outbreak: Opportunities, Challenges, and Future Outlook. Frontiers in Communications and Networks, 2020, 1, .	3.0	28
69	IoT Network Attack Detection and Mitigation. , 2020, , .		14
70	Software-Defined Networking-Assisted Content Delivery at Edge of Mobile Social Networks. IEEE Internet of Things Journal, 2020, 7, 8122-8132.	8.7	5
71	A Conceptual Data Model and Its Automatic Implementation for IoT-Based Business Intelligence Applications. IEEE Internet of Things Journal, 2020, 7, 10719-10732.	8.7	11
72	Traffic-Aware Rule-Cache Assignment in SDN: Security Implications. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
73	Active Queue Management Supporting TCP Flows Using Disturbance Observer and Smith Predictor. IEEE Access, 2020, 8, 173401-173413.	4.2	17
74	Towards Energy Efficient 5G Networks Using Machine Learning: Taxonomy, Research Challenges, and Future Research Directions. IEEE Access, 2020, 8, 187498-187522.	4.2	44
75	Enabling Emergent Configurations in the Industrial Internet of Things for Oil and Gas Explorations: A Survey. Electronics (Switzerland), 2020, 9, 1306.	3.1	7
76	Reinforcement Learning for Scalable and Reliable Power Allocation in SDN-based Backscatter Heterogeneous Network. , 2020, , .		18
77	Blockchain based secure IoT data sharing framework for SDN-enabled smart communities. , 2020, , .		10
78	A Blockchain Architecture for SDN-enabled Tamper-Resistant IoT Networks. , 2020, , .		1
79	Analysis of P4 and XDP for IoT Programmability in 6G and Beyond. IoT, 2020, 1, 605-622.	3.8	7
80	An SDN Architecture for AUV-Based Underwater Wireless Networks to Enable Cooperative Underwater Search. IEEE Wireless Communications, 2020, 27, 132-139.	9.0	39
81	Enhancing Internet of Things Security using Software-Defined Networking. Journal of Systems Architecture, 2020, 110, 101779.	4.3	20
82	Internet of Ships: A Survey on Architectures, Emerging Applications, and Challenges. IEEE Internet of Things Journal, 2020, 7, 9714-9727.	8.7	112
83	Complementing IoT Services Through Software Defined Networking and Edge Computing: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 1761-1804.	39.4	208
84	Topic-Oriented Bucket-Based Fast Multicast Routing in SDN-Like Publish/Subscribe Middleware. IEEE Access, 2020, 8, 89741-89756.	4.2	3
85	A Versatile Out-of-Band Software-Defined Networking Solution for the Internet of Things. IEEE Access, 2020, 8, 103710-103733.	4.2	18
86	Softwarization of UAV Networks: A Survey of Applications and Future Trends. IEEE Access, 2020, 8, 98073-98125.	4.2	127
87	Traffic-Aware Dynamic Controller Assignment in SDN. IEEE Transactions on Communications, 2020, 68, 4375-4382.	7.8	26
88	Low Energy Consumption Compressed Spectrum Sensing Based on Channel Energy Reconstruction in Cognitive Radio Network. Sensors, 2020, 20, 1264.	3.8	12
89	Blockchain-Aided Flow Insertion and Verification in Software Defined Networks. , 2020, , .		7
90	Enhancing the Internet of Things with Knowledge-Driven Software-Defined Networking Technology: Future Perspectives. Sensors, 2020, 20, 3459.	3.8	23

#	ARTICLE	IF	CITATIONS
91	Smart SDN Management of Fog Services. , 2020, , .		7
92	A comprehensive survey of interface protocols for software defined networks. Journal of Network and Computer Applications, 2020, 156, 102563.	9.1	85
93	Toward the Internet of Things for Physical Internet: Perspectives and Challenges. IEEE Internet of Things Journal, 2020, 7, 4711-4736.	8.7	113
94	The Future of Healthcare Internet of Things: A Survey of Emerging Technologies. IEEE Communications Surveys and Tutorials, 2020, 22, 1121-1167.	39.4	475
95	Energy Efficient Resource Allocation for Hybrid Services With Future Channel Gains. IEEE Transactions on Green Communications and Networking, 2020, 4, 165-179.	5.5	9
96	Energy-Efficient Provisioning for Service Function Chains to Support Delay-Sensitive Applications in Network Function Virtualization. IEEE Internet of Things Journal, 2020, 7, 6116-6131.	8.7	55
97	Access control for Internet of Things-enabled assistive technologies: an architecture, challenges and requirements. , 2020, , 1-43.		9
98	Machine Learning in IoT Security: Current Solutions and Future Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 1686-1721.	39.4	409
99	Towards Intelligent Provisioning of Virtualized Network Functions in Cloud of Things: A Deep Reinforcement Learning Based Approach. IEEE Transactions on Cloud Computing, 2022, 10, 1262-1274.	4.4	7
100	A Survey on Secure Transmission in Internet of Things: Taxonomy, Recent Techniques, Research Requirements, and Challenges. Arabian Journal for Science and Engineering, 2020, 45, 6211-6240.	3.0	21
101	Reliable Surveillance Tracking System based on Software Defined Internet of Things. , 2020, , 1-16.		2
102	Extending Network Programmability to the Things Overlay Using Distributed Industrial IoT Protocols. IEEE Transactions on Industrial Informatics, 2021, 17, 251-259.	11.3	17
103	Sway: Traffic-Aware QoS Routing in Software-Defined IoT. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 390-401.	4.6	59
104	Scalability, Consistency, Reliability and Security in SDN Controllers: A Survey of Diverse SDN Controllers. Journal of Network and Systems Management, 2021, 29, 1.	4.9	85
105	Dynamic Resource Allocation Model for Distribution Operations Using SDN. IEEE Internet of Things Journal, 2021, 8, 976-988.	8.7	21
106	The Blockchain Random Neural Network for cybersecure IoT and 5G infrastructure in Smart Cities. Journal of Network and Computer Applications, 2021, 175, 102909.	9.1	46
107	SD-MIoT: A Software-Defined Networking Solution for Mobile Internet of Things. IEEE Internet of Things Journal, 2021, 8, 4604-4617.	8.7	23
108	Cognitive control models of multiple access IoT networks using LoRa technology. Cognitive Systems Research, 2021, 65, 62-73.	2.7	14

#	ARTICLE	IF	CITATIONS
109	A comprehensive survey of load balancing techniques in software-defined network. Journal of Network and Computer Applications, 2021, 174, 102856.	9.1	64
110	Securing SDN-Controlled IoT Networks Through Edge Blockchain. IEEE Internet of Things Journal, 2021, 8, 2102-2115.	8.7	25
111	IHSF: An Intelligent Solution for Improved Performance of Reliable and Time-Sensitive Flows in Hybrid SDN-Based FC IoT Systems. IEEE Internet of Things Journal, 2021, 8, 3130-3142.	8.7	29
112	Application of the Ant Colony Algorithm for Routing in Next Generation Programmable Networks. Lecture Notes in Computer Science, 2021, , 526-539.	1.3	3
113	Federated Deep Reinforcement Learning for Traffic Monitoring in SDN-Based IoT Networks. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 1048-1065.	7.9	39
114	A fault-tolerant architecture for internet-of-things based on software-defined networks. Telecommunication Systems, 2021, 77, 155-169.	2.5	16
115	Defining the Behavior of IoT Devices Through the MUD Standard: Review, Challenges, and Research Directions. IEEE Access, 2021, 9, 126265-126285.	4.2	7
116	The Origin and Evolution of Open Programmable Networks and SDN. IEEE Communications Surveys and Tutorials, 2021, 23, 1956-1971.	39.4	33
117	Software-Defined Internet of Multimedia Things: Energy-Efficient and Load-Balanced Resource Management. IEEE Internet of Things Journal, 2022, 9, 2432-2442.	8.7	7
118	SDN-Assisted DDoS Defense Framework for the Internet of Multimedia Things. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-18.	4.3	23
119	Improving the Software-Defined Wireless Sensor Networks Routing Performance Using Reinforcement Learning. IEEE Internet of Things Journal, 2022, 9, 3495-3508.	8.7	27
120	Governing the progress of internet-of-things: Ambivalence in the quest of technology exploitation and user rights protection. Technology in Society, 2021, 64, 101463.	9.4	15
121	SDN Controllers. ACM Computing Surveys, 2021, 53, 1-40.	23.0	50
122	A multi-layer trust-based middleware framework for handling interoperability issues in heterogeneous IOTs. Cluster Computing, 2021, 24, 2133-2160.	5.0	17
123	DOLPHIN: Dynamically Optimized and Load Balanced Path for Inter-Domain SDN Communication. IEEE Transactions on Network and Service Management, 2021, 18, 331-346.	4.9	12
124	Design of the Intelligent Elderly's Lighting Emotional Interactive Experience System based on Internet of Things. , 2021, , .		0
125	Construction method of "multi-station integration" operation system based on ubiquitous power Internet of Things. , 2021, , .		4
126	NDN Fabric: Where the Software-Defined Networking Meets the Content-Centric Model. IEEE Transactions on Network and Service Management, 2021, 18, 374-387.	4.9	6

#	ARTICLE	IF	CITATIONS
127	Software-Defined Dew, Roof, Fog and Cloud (SD-DRFC) Framework for IoT Ecosystem: The Journey, Novel Framework Architecture, Simulation, and Use Cases. SN Computer Science, 2021, 2, 1.	3.6	7
129	Towards a Blockchain-SDN Architecture for Secure and Trustworthy 5G Massive IoT Networks. , 2021, , .		11
130	Smart SDN Management of Fog Services to Optimize QoS and Energy. Sensors, 2021, 21, 3105.	3.8	11
131	A Topical Review on Machine Learning, Software Defined Networking, Internet of Things Applications: Research Limitations and Challenges. Electronics (Switzerland), 2021, 10, 880.	3.1	47
132	Dynamic Control Architecture Based on Software Defined Networking for the Internet of Things. Future Internet, 2021, 13, 113.	3.8	7
133	Software-defined networking in vehicular networks: A survey. Transactions on Emerging Telecommunications Technologies, 2022, 33, e4265.	3.9	12
134	Network Slicing for Massive Machine Type Communication in IoT-5G Scenario. , 2021, , .		1
135	QoS Performance Enhancement Policy through Combining Fog and SDN. Simulation Modelling Practice and Theory, 2021, 109, 102292.	3.8	10
136	Increasing fault tolerance of data plane on the internet of things using the software-defined networks. PeerJ Computer Science, 2021, 7, e543.	4.5	6
137	Multi-level models for data security in networks and in the Internet of things. Journal of Information Security and Applications, 2021, 58, 102778.	2.5	6
138	SoftBLE. , 2021, , .		0
139	A novel mechanism to handle address spoofing attacks in SDN based IoT. Cluster Computing, 2021, 24, 3011-3026.	5.0	24
140	Social Governance Structure Construction and Resource Allocation Methods under the Management Mode of the Internet of Things. Wireless Communications and Mobile Computing, 2021, 2021, 1-12.	1.2	1
142	SDoT-NFV: A Distributed SDN Based Security System with IoT for Smart City Environments. GUB Journal of Science and Engineering, 0, , 27-35.	0.4	10
143	The Programmable Data Plane. ACM Computing Surveys, 2022, 54, 1-36.	23.0	44
144	Optimized Path and Reduced Rule Caching Cost for Software Defined Network (SDN) Based Internet of Things (IOT). Wireless Personal Communications, 2021, 120, 2349-2365.	2.7	7
145	A Comprehensive Review of the Internet of Things Security. Journal of Applied Security Research, 2023, 18, 289-305.	1.2	12
146	Flow Sampling: Network Monitoring in Large-Scale Software-Defined IoT Networks. IEEE Transactions on Communications, 2021, 69, 6120-6133.	7.8	2

#	ARTICLE	IF	CITATIONS
147	Static Equivalence Checking for OpenFlow Networks. Electronics (Switzerland), 2021, 10, 2207.	3.1	2
148	Toward integrating software defined networks with the Internet of Things: a review. Cluster Computing, 2022, 25, 1619-1636.	5.0	11
149	DoS and DDoS attacks in Software Defined Networks: A survey of existing solutions and research challenges. Future Generation Computer Systems, 2021, 122, 149-171.	7.5	64
150	Advancement of IoT System QoS by Integrating Cloud, Fog, Roof, and Dew Computing Assisted by SDN. International Journal of Ambient Computing and Intelligence, 2021, 12, 132-153.	1.1	1
151	Competitiveness of IoT industrial clusters based on G2EM-CI model. Personal and Ubiquitous Computing, 2024, 28, 215-226.	2.8	0
152	Optimized routing technique for IoT enabled software-defined heterogeneous WSNs using genetic mutation based PSO. Computer Standards and Interfaces, 2022, 79, 103548.	5.4	29
153	Resource Management and Security Scheme of ICPSs and IoT Based on VNE Algorithm. IEEE Internet of Things Journal, 2022, 9, 22071-22080.	8.7	20
154	Securing Software-Defined WSNs Communication via Trust Management. IEEE Internet of Things Journal, 2022, 9, 22230-22245.	8.7	7
155	Centralized QoS Routing Model for Delay/Loss Sensitive Flows at the SDN-IoT Infrastructure. Computers, Materials and Continua, 2021, 69, 3727-3748.	1.9	9
156	Q-Flag: QoS-Aware Flow-Rule Aggregation in Software-Defined IoT Networks. IEEE Internet of Things Journal, 2022, 9, 4899-4906.	8.7	7
157	Centralized and Distributed Intrusion Detection for Resource-Constrained Wireless SDN Networks. IEEE Internet of Things Journal, 2022, 9, 7746-7758.	8.7	15
158	Parallel Route Optimization and Service Assurance in Energy-Efficient Software-Defined Industrial IoT Networks. IEEE Access, 2021, 9, 24682-24696.	4.2	20
159	Security in 5G-Enabled Internet of Things Communication: Issues, Challenges, and Future Research Roadmap. IEEE Access, 2021, 9, 4466-4489.	4.2	40
160	Internet of Things at the Service of Bioconstruction. Revista Facultad De IngenierÃa, 2021, 30, e12266.	0.2	0
161	Designing Fine-Grained Access Control for Software-Defined Networks Using Private Blockchain. IEEE Internet of Things Journal, 2022, 9, 1542-1559.	8.7	22
162	Soft-Safe: Software Defined Safety-as-a-Service for Intelligent Transportation System. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 7911-7919.	8.0	3
163	Role of Software-Defined Network in Industry 4.0. EAI/Springer Innovations in Communication and Computing, 2020, , 197-218.	1.1	8
164	Optimal Fog Services Placement in SDN IoT Network Using Random Neural Networks and Cognitive Network Map. Lecture Notes in Computer Science, 2020, , 78-89.	1.3	5

#	ARTICLE	IF	CITATIONS
165	Efficient SDN-Based Traffic Monitoring in IoT Networks with Double Deep Q-Network. Lecture Notes in Computer Science, 2020, , 26-38.	1.3	41
166	Internet of Things Management Based on Software Defined Networking: A Survey. International Journal of Wireless Information Networks, 2020, 27, 385-410.	2.7	24
167	FLEXNET: Flexible Networks for IoT based services. , 2020, , .		3
168	An All-wireless SDN Framework for BLE Mesh. ACM Transactions on Internet of Things, 2020, 1, 1-30.	4.6	3
170	An Intelligence-Defined Networking Architecture With Importance-Based Network Resource Control. IEEE Internet of Things Journal, 2023, 10, 2922-2933.	8.7	0
171	Industrial Networks Driven by SDN Technology for Dynamic Fast Resilience. Information (Switzerland), 2021, 12, 420.	2.9	3
172	Artificial Intelligence Control Logic in Next-Generation Programmable Networks. Applied Sciences (Switzerland), 2021, 11, 9163.	2.5	2
173	MSN: A Playground Framework for Design and Evaluation of MicroServices-Based sdN Controller. Journal of Network and Systems Management, 2022, 30, 1.	4.9	7
174	Software Defined Network architecture model and cognitive control method for organizing multiple access in the Internet of Things. Radio Industry, 2018, 28, 68-75.	0.1	0
176	On Challenges in Engineering IoT Software Systems. Journal of Software Engineering Research and Development, 0, 7, 5.	1.0	5
177	Routing policy verification for enhanced energy quality of service and security monitoring in IoT networks. , 2019, , .		1
178	ENHANCED NETWORK PERFORMANCE AND MOBILITY MANAGEMENT OF IOT MULTI NETWORKS. Journal of Trends in Computer Science and Smart Technology, 2019, 2019, 95-105.	2.6	12
179	Study of Efficacious use of Blockchain in 6G Technology-Path for the Future. International Journal of Engineering Research & Technology, 2020, V9, .	0.2	0
180	A Survey and Classification of Software-Defined Storage Systems. ACM Computing Surveys, 2020, 53, 1-38.	23.0	13
181	Survey on Enterprise Internet-of-Things systems (E-IoT): A security perspective. Ad Hoc Networks, 2022, 125, 102728.	5.5	33
182	Design and Implementation of Programmable Data Plane Supporting Multiple Data Types. Electronics (Switzerland), 2021, 10, 2639.	3.1	2
183	Architectures and emerging trends in Internet of Things and Cloud computing: a literature review. , 2020, , .		0
184	Virtual IP-Based Secure Gatekeeper System for Internet of Things. Sensors, 2021, 21, 38.	3.8	2

#	ARTICLE	IF	CITATIONS
185	DeepPlace: Deep reinforcement learning for adaptive flow rule placement in Software-Defined IoT Networks. <i>Computer Communications</i> , 2022, 181, 156-163.	5.1	10
186	A Software-Defined Networking (SDN) Architecture for Smart Trash Can Using IoT. <i>EAI/Springer Innovations in Communication and Computing</i> , 2020, , 163-172.	1.1	2
187	Design Model of Smart "Anganwadi Center" for Health Monitoring. <i>Intelligent Systems Reference Library</i> , 2020, , 67-76.	1.2	0
188	Research on SDN Enabled by Machine Learning: An Overview. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2020, , 190-203.	0.3	0
189	Design and Development of Industrial Internet of Things-Based Polling Booth for Voting. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2020, , 323-332.	0.4	0
190	SDIoT: an SDN-based Internet of Things reprogramming framework. <i>IET Networks</i> , 2020, 9, 305-314.	1.8	2
191	A comprehensive survey on secure software-defined network for the Internet of Things. <i>Transactions on Emerging Telecommunications Technologies</i> , 2022, 33, e4391.	3.9	17
193	Network Energy-Efficiency Maximization in UAV-Enabled Air-Ground-Integrated Deployment. <i>IEEE Internet of Things Journal</i> , 2022, 9, 13209-13222.	8.7	9
194	The key layers of IoT architecture. , 2020, , .		9
195	A Survey on SDN based energy-efficiency approaches in IoT. , 2021, , .		1
196	QoS-Aware Dynamic Flow Management in Software-Defined Data Center Networks. <i>Internet of Things</i> , 2022, , 205-221.	1.7	0
197	Packet Injection Exploiting Attack and Mitigation in Software-Defined Networks. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1103.	2.5	1
198	Fast recovery for online service function chaining interruption using adaptive migration. <i>Cluster Computing</i> , 0, , 1.	5.0	1
199	Deep Reinforcement Learning for Intelligent Service Provisioning in Software-Defined Industrial Fog Networks. <i>IEEE Internet of Things Journal</i> , 2022, 9, 16953-16961.	8.7	6
200	Intelligent Transmission Control for Efficient Operations in SDN. <i>Computers, Materials and Continua</i> , 2022, 71, 2807-2825.	1.9	1
201	Software-Defined Network-Based Vehicular Ad Hoc Networks: A Comprehensive Review. <i>EAI/Springer Innovations in Communication and Computing</i> , 2022, , 33-53.	1.1	4
202	A comprehensive survey on SDN security: threats, mitigations, and future directions. <i>Journal of Reliable Intelligent Environments</i> , 2023, 9, 201-239.	5.2	26
203	A comprehensive survey of vulnerability and information security in SDN. <i>Computer Networks</i> , 2022, 206, 108802.	5.1	29

#	ARTICLE	IF	CITATIONS
204	A Survey on Machine Learning Software-Defined Wireless Sensor Networks (ML-SDWSNs): Current Status and Major Challenges. <i>IEEE Access</i> , 2022, 10, 23560-23592.	4.2	17
205	A Linear Programming Model for Latency Minimization and Fault Tolerance in Software Defined Network Controller Placement. <i>Uluslararası Mühendislik Arastırma Ve Gelistirme Dergisi</i> , 2022, 14, 237-245.	0.2	0
206	Efficient and Secure Topology Discovery in SDN: Review. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2022, , 397-412.	0.7	1
207	BCoT: Introduction to Blockchain-Based Internet of Things for Industry 5.0. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2022, , 1-22.	0.7	4
209	SDN-Based Privacy and Functional Authentication Scheme for Fog Nodes of Smart Healthcare. <i>IEEE Internet of Things Journal</i> , 2022, 9, 17989-18001.	8.7	6
210	Network Function Virtualization and Service Function Chaining Frameworks: A Comprehensive Review of Requirements, Objectives, Implementations, and Open Research Challenges. <i>Future Internet</i> , 2022, 14, 59.	3.8	24
211	Evolution towards Smart and Software-Defined Internet of Things. <i>AI</i> , 2022, 3, 100-123.	3.8	15
212	Verification Framework for Software-Defined Networking. , 2022, , .		0
213	Edge Computing Application, Architecture, and Challenges in Ubiquitous Power Internet of Things. <i>Frontiers in Energy Research</i> , 2022, 10, .	2.3	10
214	The Evaluation Method of English Teaching Ability in View of Internet of Things. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-14.	1.2	1
215	Long-term traffic flow prediction using multivariate SSA forecasting in SDN based networks. <i>Pervasive and Mobile Computing</i> , 2022, 83, 101590.	3.3	6
216	C3HAC: A Controller Placement Approach For SDWSN. , 2021, , .		3
217	Non-Pharmaceutical Interventions against COVID-19 Pandemic: Review of Contact Tracing and Social Distancing Technologies, Protocols, Apps, Security and Open Research Directions. <i>Sensors</i> , 2022, 22, 280.	3.8	16
218	Designing and constructing internet-of-Things systems: An overview of the ecosystem. <i>Internet of Things (Netherlands)</i> , 2022, 19, 100529.	7.7	23
219	IoT threat mitigation engine empowered by artificial intelligence multi-objective optimization. <i>Journal of Network and Computer Applications</i> , 2022, 203, 103398.	9.1	7
220	Dynamic Bandwidth Slicing for Time-Critical IoT Data Streams in the Edge-Cloud Continuum. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 8017-8026.	11.3	6
221	An Extraction System of Ice and Snow for Sports Technical Index Using Internet of Things. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-12.	1.2	1
222	Internet of Intelligence: A Survey on the Enabling Technologies, Applications, and Challenges. <i>IEEE Communications Surveys and Tutorials</i> , 2022, 24, 1394-1434.	39.4	20

#	ARTICLE	IF	CITATIONS
223	Adaptive cache content placement for software-defined Internet of Things. Future Generation Computer Systems, 2022, 136, 34-48.	7.5	6
224	Bringing ICN To Software-Defined Infrastructures. , 2022, , .		0
225	Toward Software-Defined Networking-Based IoT Frameworks: A Systematic Literature Review, Taxonomy, Open Challenges and Prospects. IEEE Access, 2022, 10, 70850-70901.	4.2	35
226	DSMLB: Dynamic switch-migration based load balancing for software-defined IoT network. Computer Networks, 2022, 214, 109145.	5.1	4
227	SFIOT: Software-Defined Function for the IoT. , 2022, , .		0
228	Data Security in IoT Networks using Software-Defined Networking: A Review. , 2022, , .		1
230	Investigation on Unmanned Aerial Vehicle (UAV): An Overview. IRO Journal on Sustainable Wireless Systems, 2022, 4, 130-148.	1.6	9
231	Smart Farming Solution for Crop Disease Prediction and Protection. , 2022, , 282-298.		0
232	Deep Reinforcement Learning for energy-aware task offloading in join SDN-Blockchain 5G massive IoT edge network. Future Generation Computer Systems, 2022, 137, 363-379.	7.5	28
233	Digital Twin of Wireless Systems: Overview, Taxonomy, Challenges, and Opportunities. IEEE Communications Surveys and Tutorials, 2022, 24, 2230-2254.	39.4	51
234	KIND: A Novel Image-Mutual-Information-Based Decision Fusion Method for Saturation Attack Detection in SD-IoT. IEEE Internet of Things Journal, 2022, 9, 23750-23771.	8.7	2
235	Secure SDN Based IoT Network Through Blockchain for Smart Architectures. , 2022, , .		1
236	A Spectrum Management Platform Architecture to Enable a Sharing Economy in 6G. Future Internet, 2022, 14, 309.	3.8	0
237	S-FoS: A secure workflow scheduling approach for performance optimization in SDN-based IoT-Fog networks. Journal of Information Security and Applications, 2023, 72, 103404.	2.5	9
238	An adaptive data coding scheme for energy consumption reduction in SDN-based Internet of Things. Computer Networks, 2023, 221, 109528.	5.1	2
239	Empowering SDN-Docker Based Architecture for Internet of Things Heterogeneity. Journal of Network and Systems Management, 2023, 31, .	4.9	2
240	A QoS Based Reliable Routing Mechanism for Service Customization. Journal of Computer Science and Technology, 2022, 37, 1492-1508.	1.5	0
241	Software-Defined Wireless Sensor Network: A Comprehensive Survey. Journal of Network and Computer Applications, 2023, 215, 103636.	9.1	7

#	ARTICLE	IF	CITATIONS
242	An SDN perspective IoT-Fog security: A survey. Computer Networks, 2023, 229, 109732.	5.1	12
243	Integrated machine learning techniques for preserving privacy in Internet of Things (IoT) systems. , 2023, , 45-75.		3
244	A Comprehensive Survey of In-Band Control in SDN: Challenges and Opportunities. Electronics (Switzerland), 2023, 12, 1265.	3.1	2
245	A robust link controller placement model for large-scale software defined networks. Transactions on Emerging Telecommunications Technologies, 2023, 34, .	3.9	1
246	Energy-Efficient Topology Control Mechanism for IoT-Oriented Software-Defined WSNs. IEEE Internet of Things Journal, 2023, 10, 13138-13154.	8.7	3
248	Privacy-Preserving and Security in SDN-Based IoT: A Survey. IEEE Access, 2023, 11, 44772-44786.	4.2	1
249	SDN-based Re-configurable Edge Network Architecture for Industrial Internet of Things. IEEE Internet of Things Journal, 2023, , 1-1.	8.7	0
250	A controller-based roadside unit plane architecture for software-defined internet of vehicles. Cluster Computing, 2024, 27, 1235-1249.	5.0	2
251	Network resource management mechanisms in SDN enabled WSNs: A comprehensive review. Computer Science Review, 2023, 49, 100569.	15.3	2
252	Survivability Mapping Strategy for Virtual Wireless Sensor Networks for Link Failures in the Internet of Things. Electronics (Switzerland), 2023, 12, 2498.	3.1	0
253	Energy Efficient Multi-Objective Task Allocation in Software-Defined Wireless Sensor Network. , 2023, , .		2
255	Analysis of an IoT-Based SDN Smart Health Monitoring System. Lecture Notes in Electrical Engineering, 2023, , 325-334.	0.4	0
256	A Novel Dynamic Software-Defined Networking Approach to Neutralize Traffic Burst. Computers, 2023, 12, 131.	3.3	2
257	A solution for resource allocation through complex systems in fog computing for the internet of things. Computing (Vienna/New York), 0, , .	4.8	3
258	PBCLR: Prediction-based control-plane load reduction in a software-defined IoT network. Internet of Things (Netherlands), 2023, 24, 100934.	7.7	0
260	Intrusion Detection in Critical SD-IoT Ecosystem. , 2023, , .		0
261	New Model to Monitor Plant Growth Remotely using ESP32-CAM and Mobile Application. , 2023, , .		0
262	Intelligent Secured Traffic Optimization Model for Urban Sensing Applications With Software Defined Network. IEEE Sensors Journal, 2024, 24, 5654-5661.	4.7	0

#	ARTICLE	IF	CITATIONS
263	Maritime Society 5.0: a global transition on human economy and civilisation for maritime sustainability. Australian Journal of Maritime and Ocean Affairs, 0, , 1-26.	2.0	0
264	Formal Methods and Validation Techniques for Ensuring Automotive Systems Security. Information (Switzerland), 2023, 14, 666.	2.9	0
265	Resource Cooperation in MEC and SDN based Vehicular Networks. , 2023, , .		0
266	TiME: Time-Sensitive Multihop Data Transmission in Software-Defined Edge Networks for IoT. Communications in Computer and Information Science, 2024, , 44-54.	0.5	0
267	A Novel Energy-Aware SDWSN Controller Placement Scheme. , 2023, , .		0
268	A position and energy aware multi-objective controller placement and re-placement scheme in distributed SDWSN. Journal of Supercomputing, 0, , .	3.6	0
269	Resource optimization in edge and SDN-based edge computing: a comprehensive study. Cluster Computing, 0, , .	5.0	0