

Network Innovation using OpenFlow: A Survey

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Cut-through switching options in a MobilityFirst network with openflow. , 2013, , .		2
2	A survey on SDN, the future of networking. Journal of Advanced Computer Science & Technology, 2014, 3, 232-248.	1.2	39
3	Software-Defined Networking Using OpenFlow: Protocols, Applications and Architectural Design Choices. Future Internet, 2014, 6, 302-336.	3.8	187
4	Data Plane Programmability in SDN. , 2014, , .		9
5	Flow Monitoring Explained: From Packet Capture to Data Analysis With NetFlow and IPFIX. IEEE Communications Surveys and Tutorials, 2014, 16, 2037-2064.	39.4	288
6	SDN based uniform network architecture for future wireless networks. , 2014, , .		9
7	OpenSec: A framework for implementing security policies using OpenFlow. , 2014, , .		18
8	Class-based traffic recovery with load balancing in software-defined networks. , 2014, , .		23
9	A Scheme for Software Defined ORS Satellite Networking. , 2014, , .		12
10	Monitoring Virtual Nodes using mashups. Computer Networks, 2014, 64, 55-70.	5.1	8
11	A Survey and a Layered Taxonomy of Software-Defined Networking. IEEE Communications Surveys and Tutorials, 2014, 16, 1955-1980.	39.4	289
12	Fast incremental flow table aggregation in SDN. , 2014, , .		33
13	Computational Science and Its Applications “ ICCSA 2014. Lecture Notes in Computer Science, 2014, , .	1.3	5
14	Software-defined access networks. , 2014, , .		5
15	Application-aware software-defined EPON access network. Photonic Network Communications, 2015, 30, 324-336.	2.7	6
16	High-resolution video transmission network system using dynamic SDN. , 2015, , .		2
17	A novel wireless distribution network application to support further internet of energy. , 2015, , .		0
18	An adaptive algorithm for searching in flow tables of openflow switches. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
19	SDN-PANDA: Software-Defined Network Platform for ANomaly Detection Applications. , 2015, , .		7
20	A joint approach to multipath routing and rate adaptation for congestion control in OpenFlow software defined network. , 2015, , .		6
21	Availability Improvement of Layer 2 Seamless Networks Using OpenFlow. Scientific World Journal, The, 2015, 2015, 1-14.	2.1	9
22	Independent Transient Plane Design for Protection in OpenFlow-Based Networks. Journal of Optical Communications and Networking, 2015, 7, 264.	4.8	28
23	Reconfigurable Wireless Networks. Proceedings of the IEEE, 2015, 103, 1125-1158.	21.8	51
24	An extended SDN architecture for network function virtualization with a case study on intrusion prevention. IEEE Network, 2015, 29, 48-53.	6.9	50
25	Dynamic multi-hop switch handoffs in Software Defined Wireless Mesh Networks. , 2015, , .		7
26	A Fuzzy Logic Approach for Resources Allocation in Cloud Data Center. , 2015, , .		8
27	Spatial Domain Management and Massive MIMO Coordination in 5G SDN. IEEE Access, 2015, 3, 2238-2251.	4.2	13
28	Secure and QoS aware architecture for cloud using software defined networks and Hadoop. , 2015, , .		2
29	Challenges and opportunities on network resource management in DCN with SDN. , 2015, , .		2
30	A network topology-aware selectively distributed firewall control in SDN. , 2015, , .		8
31	A Platform for Multimedia Traffic Forwarding in Software Defined Networks. , 2015, , .		3
32	Software-defined wireless network architectures for the Internet-of-Things. , 2015, , .		35
33	Enhancing wireless communications with software defined networking. , 2015, , .		9
34	LENV: A new light-weighted edge network virtualization framework in software-defined wireless networks. , 2015, , .		1
35	Scalability analysis and flow admission control in mininet-based SDN environment. , 2015, , .		22
36	Global and local knowledge in SDN. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
37	Software-Defined Networking: A survey. Computer Networks, 2015, 81, 79-95.	5.1	265
38	SDN in the wireless context - Towards full programmability of wireless network elements. , 2015, , .		7
39	System architecture and key technologies for 5G heterogeneous cloud radio access networks. IEEE Network, 2015, 29, 6-14.	6.9	380
40	Adaptive routing for video streaming with QoS support over SDN networks. , 2015, , .		16
41	Practical flow table aggregation in SDN. Computer Networks, 2015, 92, 72-88.	5.1	25
43	Trends on virtualisation with software defined networking and network function virtualisation. IET Networks, 2015, 4, 255-263.	1.8	27
44	Application-aware Routing Scheme for SDN-based cloud datacenters. , 2015, , .		2
45	Resilience support in software-defined networking: A survey. Computer Networks, 2015, 92, 189-207.	5.1	52
46	Advanced Control Distributed Processing Architecture (ACDPA) using SDN and Hadoop for identifying the flow characteristics and setting the quality of service(QoS) in the network. , 2015, , .		11
47	An evolutionary path for the evolved packet system. , 2015, 53, 184-191.		9
48	Taxonomy of Distributed Denial of Service mitigation approaches for cloud computing. Journal of Network and Computer Applications, 2015, 58, 165-179.	9.1	50
49	A Literature Review on Challenges and Effects of Software Defined Networking. Procedia Computer Science, 2015, 64, 552-561.	2.0	26
50	Video over Software-Defined Networking (VSDN). Computer Networks, 2015, 92, 341-356.	5.1	15
51	Load balancing virtual machines deployment mechanism in SDN open cloud platform. , 2015, , .		1
52	Security in Software Defined Networks: A Survey. IEEE Communications Surveys and Tutorials, 2015, 17, 2317-2346.	39.4	363
53	Big File Protocol for OTN and Ethernet Transport Systems. Journal of Optical Communications and Networking, 2015, 7, 96.	4.8	1
54	Software-Defined Networking: A Comprehensive Survey. Proceedings of the IEEE, 2015, 103, 14-76.	21.3	3,441
55	Grade of Service (GoS) based adaptive flow management for Software Defined Heterogeneous Networks (SDHetN). Computer Networks, 2015, 76, 317-330.	5.1	7

#	ARTICLE	IF	CITATIONS
56	Using OpenFlow to control redundant paths in wireless networks. Network Protocols and Algorithms, 2016, 8, 90.	1.0	6
57	Design and Evaluation of a Proxy-Based Monitoring System for OpenFlow Networks. Scientific World Journal, The, 2016, 2016, 1-10.	2.1	4
58	A Secure Network Coding Based on Broadcast Encryption in SDN. Mathematical Problems in Engineering, 2016, 2016, 1-8.	1.1	4
59	Survey of Promising Technologies for 5G Networks. Mobile Information Systems, 2016, 2016, 1-25.	0.6	47
60	Experiments on SDN-based network and cloud resource orchestration in FED4FIRE. , 2016, , .		2
62	Software Defined Optical Networks (SDONs): A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2016, 18, 2738-2786.	39.4	266
63	The Novel SDN Testbed with Virtual Network Functions Placement. , 2016, , .		1
64	Flowtracker: A SDN Stateful Firewall Solution with Adaptive Connection Tracking and Minimized Controller Processing. , 2016, , .		4
65	Design and Analysis of a TRILL - OpenFlow Bridge. , 2016, , .		0
66	Security analysis of forwarding strategies in network time measurements using Openflow. , 2016, , .		1
67	Understanding the Design Space of a Software Defined WiFi Network Testbed. , 2016, , .		5
68	Research Trends in Security and DDoS in SDN. Security and Communication Networks, 2016, 9, 6386-6411.	1.5	68
69	Deep Packet Inspection Based Application-Aware Traffic Control for Software Defined Networks. , 2016, , .		31
70	An Analytical Model of Data Plane Performance Subject to Prioritized Service. , 2016, , .		1
71	Energy-efficient M2M routing protocol based on Tiny-SDCWN with 6LoWPAN. , 2016, , .		2
72	Load balancing using multipath routing in network functions virtualization. , 2016, , .		10
73	A Comprehensive Tutorial on Software Defined Network. , 2016, , .		25
74	A novel SDN controller for traffic recovery and load balancing in data centers. , 2016, , .		13

#	ARTICLE	IF	CITATIONS
75	Software Defined naval network for satellite communications (SDN-SAT). , 2016, , .		18
76	EdgeloT: Mobile Edge Computing for the Internet of Things. IEEE Communications Magazine, 2016, 54, 22-29.	6.1	908
77	Simple example of Software Defined Network. , 2016, , .		2
78	ViTeNA: An SDN-based virtual network embedding algorithm for multi-tenant data centers. , 2016, , .		3
79	Software defined networking for optical networks. , 2016, , .		11
80	Software Defined Networking Research Laboratory-Experimental Topologies and Scenarios. , 2016, , .		13
81	Performance evaluation of OpenFlow-based software-defined networks based on queueing model. Computer Networks, 2016, 102, 172-185.	5.1	106
82	An Empirical Study of the Design Space of Smart Home Routers. Lecture Notes in Computer Science, 2016, , 109-120.	1.3	5
83	Software-Defined Industrial Internet of Things in the Context of Industry 4.0. IEEE Sensors Journal, 2016, , 1-1.	4.7	351
84	Software Defined Networking Reactive Stateful Firewall. IFIP Advances in Information and Communication Technology, 2016, , 119-132.	0.7	10
85	SDN-Based Application Framework for Wireless Sensor and Actor Networks. IEEE Access, 2016, 4, 1583-1594.	4.2	35
86	A Survey on SDN Programming Languages: Toward a Taxonomy. IEEE Communications Surveys and Tutorials, 2016, 18, 2687-2712.	39.4	76
87	A survey on OpenFlow-based Software Defined Networks: Security challenges and countermeasures. Journal of Network and Computer Applications, 2016, 68, 126-139.	9.1	142
88	A transparent and scalable anomaly-based DoS detection method. Computer Networks, 2016, 104, 27-42.	5.1	33
89	Moving Target Defense Against Network Reconnaissance with Software Defined Networking. Lecture Notes in Computer Science, 2016, , 203-217.	1.3	8
90	Performance prediction of software defined network using an artificial neural network. , 2016, , .		11
91	An extended OpenFlow model: An incorporation of initial messages in a virtual environment. , 2016, , .		0
92	Quantitative assessment model based on demands path allocation in SDN. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
93	Design and evaluation of SDN-based orchestration system for cloud data centers. , 2016, , .		8
94	Implementing Static Router based on Software Defined Networking. , 2016, , .		0
95	Firewall and load balancing as an application of SDN. , 2016, , .		7
96	SDN and Virtualization Solutions for the Internet of Things: A Survey. IEEE Access, 2016, 4, 5591-5606.	4.2	207
97	Access control with ONOS controller in the SDN based WLAN testbed. , 2016, , .		1
98	SPF: An SDN-based middleware solution to mitigate the IoT information explosion. , 2016, , .		16
99	Cloud and network orchestration in SDN data centers: Design principles and performance evaluation. Computer Networks, 2016, 108, 279-295.	5.1	17
100	An approach to efficient network design and characterization using SDN and Hadoop. , 2016, , .		0
101	Can QoS be dynamically manipulated using end-device initialization?. , 2016, , .		7
102	Load balancing in OpenFlow-enabled switches for wireless access traffic aggregation. , 2016, , .		1
103	A storage approach for OpenFlow switch based on Protocol Oblivious Forwarding. , 2016, , .		1
104	Flow statistics based load balancing in OpenFlow. , 2016, , .		13
105	Intelligent SDN and NFV for 5G HetNet Dynamics. Springer Briefs in Electrical and Computer Engineering, 2016, , 15-40.	0.5	1
106	Software Defined Networking Applications in Distributed Datacenters. Springer Briefs in Electrical and Computer Engineering, 2016, , .	0.5	9
107	Analysis and Evaluation of OpenFlow Message Usage for Security Applications. Lecture Notes in Computer Science, 2016, , 84-97.	1.3	1
108	An energy-efficient SDN based sleep scheduling algorithm for WSNs. Journal of Network and Computer Applications, 2016, 59, 39-45.	9.1	131
109	Performance improvement for source mobility in named data networking based on globalâ€‘local FIB updates. Peer-to-Peer Networking and Applications, 2016, 9, 670-680.	3.9	12
110	OpenSec: Policy-Based Security Using Software-Defined Networking. IEEE Transactions on Network and Service Management, 2016, 13, 30-42.	4.9	63

#	ARTICLE	IF	CITATIONS
111	Security in Software-Defined Networking: Threats and Countermeasures. Mobile Networks and Applications, 2016, 21, 764-776.	3.3	147
112	Secure and dependable software defined networks. Journal of Network and Computer Applications, 2016, 61, 199-221.	9.1	89
113	Next Generation 5G Wireless Networks: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2016, 18, 1617-1655.	39.4	2,413
114	Implementation of Server Load Balancing in Software Defined Networking. Advances in Intelligent Systems and Computing, 2016, , 147-157.	0.6	15
115	Building Stateful Firewall Over Software Defined Networking. Advances in Intelligent Systems and Computing, 2016, , 159-168.	0.6	4
116	Software Defined Networking in Wireless Data Networks: A Survey. , 2016, , .		1
117	Lightness: A Function-Virtualizable Software Defined Data Center Network With All-Optical Circuit/Packet Switching. Journal of Lightwave Technology, 2016, 34, 1618-1627.	4.6	53
118	A Software Engineering Perspective on SDN Programmability. IEEE Communications Surveys and Tutorials, 2016, 18, 1255-1272.	39.4	46
119	Rich dynamic mashments: An approach for network management based on mashups and situation management. Computer Networks, 2016, 94, 285-306.	5.1	5
120	Performance Analysis of Proposed OpenFlow-Based Network Architecture Using Mininet. Wireless Personal Communications, 2016, 86, 943-958.	2.7	26
121	Network Function Virtualization: State-of-the-Art and Research Challenges. IEEE Communications Surveys and Tutorials, 2016, 18, 236-262.	39.4	1,383
122	Survey on Network Virtualization Hypervisors for Software Defined Networking. IEEE Communications Surveys and Tutorials, 2016, 18, 655-685.	39.4	226
123	Information-driven network resilience: Research challenges and perspectives. Optical Switching and Networking, 2017, 23, 156-178.	2.0	25
124	An Integrated Architecture for Software Defined and Virtualized Radio Access Networks with Fog Computing. IEEE Network, 2017, 31, 80-87.	6.9	85
125	A Survey on Software-Defined Wireless Sensor Networks: Challenges and Design Requirements. IEEE Access, 2017, 5, 1872-1899.	4.2	360
126	An SDN orchestrator for cloud data center: System design and experimental evaluation. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3172.	3.9	14
127	SDUDP: A Reliable UDP-Based Transmission Protocol Over SDN. IEEE Access, 2017, 5, 5904-5916.	4.2	23
128	Channel allocation and transmission power management scheme in software defined network-based WLAN environments. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
129	Multi-domain Video over Software-Defined Networking (MDVSDN). , 2017, , .		1
130	Enhancing Security of Software Defined Mobile Networks. IEEE Access, 2017, 5, 9422-9438.	4.2	35
131	A novel automated SDN architecture and orchestration framework for resilient large-scale networks. , 2017, , .		2
132	How Can Edge Computing Benefit From Software-Defined Networking: A Survey, Use Cases, and Future Directions. IEEE Communications Surveys and Tutorials, 2017, 19, 2359-2391.	39.4	353
133	An Efficient Image Gathering Scheme with Quality Control in Disaster. , 2017, , .		0
134	Comprehensive Survey on T-SDN: Software-Defined Networking for Transport Networks. IEEE Communications Surveys and Tutorials, 2017, 19, 2232-2283.	39.4	88
135	A Survey on the Contributions of Software-Defined Networking to Traffic Engineering. IEEE Communications Surveys and Tutorials, 2017, 19, 918-953.	39.4	136
136	Preventing DNS Amplification Attacks Using the History of DNS Queries with SDN. Lecture Notes in Computer Science, 2017, , 135-152.	1.3	15
137	DSL: Dynamic and Self-Learning Schedule Method of Multiple Controllers in SDN. ETRI Journal, 2017, 39, 364-372.	2.0	4
138	Power Consumption-Aware Virtual Machine Placement in Cloud Data Center. IEEE Transactions on Green Communications and Networking, 2017, 1, 541-550.	5.5	18
139	A QoS-aware routing in SDN hybrid networks. Procedia Computer Science, 2017, 110, 242-249.	2.0	46
140	Modeling software defined satellite networks using queueing theory. , 2017, , .		7
141	SAT-FLOW: Multi-Strategy Flow Table Management for Software Defined Satellite Networks. IEEE Access, 2017, 5, 14952-14965.	4.2	28
142	Software Defined Wireless Networks: A Survey of Issues and Solutions. Wireless Personal Communications, 2017, 97, 6019-6053.	2.7	20
143	An optimization algorithm for spatial information network self-healing based on software defined network. , 2017, , .		3
144	Detection and prevention of DoS attacks in Software-Defined Cloud networks. , 2017, , .		21
145	Estimation of Adaptation Parameters for Scalable Video Streaming over Software Defined Networks. Procedia Computer Science, 2017, 115, 715-722.	2.0	3
146	Enabling network innovation in data center networks with software defined networking: A survey. Journal of Network and Computer Applications, 2017, 94, 33-49.	9.1	35

#	ARTICLE	IF	CITATIONS
147	Software Defined Monitoring (SDM) for 5G mobile backhaul networks. , 2017, , .		7
148	QoS evaluation of prioritized data plane service employing queueing model. , 2017, , .		0
149	A Systematic Literature Review on Software-Defined Networking. Studies in Computational Intelligence, 2017, , 333-369.	0.9	11
150	Empirical Evidences in Software-Defined Network Security: A Systematic Literature Review. Studies in Computational Intelligence, 2017, , 253-295.	0.9	0
151	LBBSRT: An efficient SDN load balancing scheme based on server response time. Future Generation Computer Systems, 2017, 68, 183-190.	7.5	54
152	A Survey on Software Defined Networking: Architecture for Next Generation Network. Journal of Network and Systems Management, 2017, 25, 321-374.	4.9	93
153	QoS Aware load balance in software defined LTE networks. Computer Communications, 2017, 97, 52-71.	5.1	35
154	Investigation of security and QoS on SDN firewall using MAC filtering. , 2017, , .		9
155	Software defined IoT: Issues and challenges. , 2017, , .		31
156	Design and Implementation of OpenFlow Networks for Medical Information Systems. , 2017, , .		0
157	Priority-based routing in a campus network using SDN. , 2017, , .		1
158	Framework for securing SDN southbound communication. , 2017, , .		5
159	An approach for detection of attacks in software defined networks. , 2017, , .		3
160	QoSVisor: QoS framework for SDN. , 2017, , .		1
161	On Software-Defined Wireless Network (SDWN) Network Virtualization: Challenges and Open Issues. Computer Journal, 2017, 60, 1510-1519.	2.4	8
162	Using SDN Approach to Secure Cloud Servers against Flooding Based DDoS Attacks. , 2017, , .		4
163	Softwarization and Optimization for Sustainable Future Mobile Networks: A Survey. IEEE Access, 2017, 5, 25421-25436.	4.2	10
164	An emulation framework for SDN-NFV based services. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
165	An OpenFlow based Dynamic Traffic Scheduling strategy for load balancing. , 2017, , .		1
166	Estimation of functional stability of special purpose networks located on vehicles. , 2017, , .		11
167	Towards a Novel Forwarding Strategy for Named Data Networking Based on SDN and Bloom Filter. , 2017, , .		2
168	Performance analysis of software defined networks. , 2017, , .		3
169	Migration from conventional networking to software defined networking. , 2017, , .		1
170	Workload-Aware Revenue Maximization in SDN-Enabled Data Center. , 2017, , .		5
171	SDN in high performance computing for scientific and business environment (SBE). , 2017, , .		4
172	Performance analysis of OpenFlow based software defined wired and wireless network. , 2017, , .		7
173	Software defined networks: An analysis on robust security practices. , 2017, , .		1
174	Dynamic Construction Scheme for Virtualization Security Service in Software-Defined Networks. Sensors, 2017, 17, 920.	3.8	12
175	Reliable and practical fall prediction using artificial neural network. , 2017, , .		3
176	Software Defined Networking: Research Issues, Challenges and Opportunities. Indian Journal of Science and Technology, 2017, 10, 1-9.	0.7	21
177	Reliable Human Fall Prediction Utilizing Robot Fall Prediction Algorithm. , 2017, , .		2
178	A Security Protection Approach Based on Software Defined Network for Inter-Area Communication in Industrial Control Systems. , 2017, , .		0
179	Revenue-sensitive scheduling of multi-application tasks in software-defined cloud. , 2017, , .		1
180	Timeout Strategy-based Mobility Management for Software Defined Satellite Networks. , 2017, , .		9
181	Enabling WiFi in Open Access Networks. , 2017, , .		3
182	NICE. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
183	Soft Partitioning Flow Tables for Virtual Networking in Multi-Tenant Software Defined Networks. IEEE Transactions on Network and Service Management, 2018, 15, 402-415.	4.9	4
184	Video Distribution Networks: Architectures and System Requirements. Computer Communications and Networks, 2018, , 1-23.	0.8	2
185	Unicast QoS Routing Algorithms for SDN: A Comprehensive Survey and Performance Evaluation. IEEE Communications Surveys and Tutorials, 2018, 20, 388-415.	39.4	121
186	Software-Defined Next-Generation Satellite Networks: Architecture, Challenges, and Solutions. IEEE Access, 2018, 6, 4027-4041.	4.2	88
187	A Distributed ADMM Approach With Decomposition-Coordination for Mobile Data Offloading. IEEE Transactions on Vehicular Technology, 2018, 67, 2514-2530.	6.3	15
188	Traffic Load Balancing Among Brokers at the IoT Application Layer. IEEE Transactions on Network and Service Management, 2018, 15, 489-502.	4.9	33
189	A Survey on Multicasting in Software-Defined Networking. IEEE Communications Surveys and Tutorials, 2018, 20, 355-387.	39.4	61
190	OpenFlow-based low-overhead and high-accuracy SDN measurement framework. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3263.	3.9	20
191	MetaFlow: A Scalable Metadata Lookup Service for Distributed File Systems in Data Centers. IEEE Transactions on Big Data, 2018, 4, 203-216.	6.1	2
192	An SDN-enhanced load-balancing technique in the cloud system. Journal of Supercomputing, 2018, 74, 5706-5729.	3.6	39
193	Software-defined networking approach for enhanced evolved packet core network. International Journal of Communication Systems, 2018, 31, e3379.	2.5	4
194	Performance Analysis of SDN/OpenFlow Controllers: POX Versus Floodlight. Wireless Personal Communications, 2018, 98, 1679-1699.	2.7	57
195	Developing Small Size Low-Cost Software-Defined Networking Switch Using Raspberry Pi. Advances in Intelligent Systems and Computing, 2018, , 147-152.	0.6	11
196	HeS-CoP: Heuristic switch-controller placement scheme for distributed SDN controllers in data center networks. International Journal of Network Management, 2018, 28, e2015.	2.2	7
197	A novel multicast traffic engineering technique in SDN using TLBO algorithm. Telecommunication Systems, 2018, 68, 583-592.	2.5	12
198	Efficient design and hardware implementation of the OpenFlow v1.3 Switch on the Virtex-6 FPGA ML605. Journal of Supercomputing, 2018, 74, 1299-1320.	3.6	30
199	Reprint of "LBBSRT: An efficient SDN load balancing scheme based on server response time". Future Generation Computer Systems, 2018, 80, 409-416.	7.5	40
200	Routing Protocol for Device-to-Device Communication in SoftNet Towards 5G. Smart Innovation, Systems and Technologies, 2018, , 42-54.	0.6	0

#	ARTICLE	IF	CITATIONS
201	SERVICE: A Software Defined Framework for Integrated Space-Terrestrial Satellite Communication. IEEE Transactions on Mobile Computing, 2018, 17, 703-716.	5.8	117
202	Formalization and Verification of the OpenFlow Bundle Mechanism Using CSP. International Journal of Software Engineering and Knowledge Engineering, 2018, 28, 1657-1677.	0.8	3
203	Need of Algorithm Selection in Next Generation Optical Networks. International Journal of Business Data Communications and Networking, 2018, 14, 81-92.	0.7	0
204	Benchmarking the ONOS Intent Interfaces to Ease 5G Service Management. , 2018, , .		12
205	A Software Defined Wireless Networking Approach for Managing Handoff in IEEE 802.11 Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-11.	1.2	3
206	Using Robot and Electric Drive in Fall Prediction. , 2018, , .		0
207	Emulating Software Defined Network Using Mininet and OpenDaylight Controller Hosted on Amazon Web Services Cloud Platform to Demonstrate a Realistic Programmable Network. , 2018, , .		6
208	The State of the Art of Software Defined Networking (SDN). International Journal of Information Communication Technologies and Human Development, 2018, 10, 44-60.	0.3	8
209	An Efficient Traffic Management Solution in Data Center Networking Using SDN. , 2018, , .		2
210	Design of seamless handover between APs based on traffic load in SDWN. , 2018, , .		0
211	CCNFlow:Content-Centric Networking Managed by OpenFlow Controller. , 2018, , .		1
212	Fog Computing: Concept, Applications and Future. , 2018, , .		2
213	Software Defined Networking: From Theory to Practice. , 2018, , .		13
214	A Low-cost, High-Efficiency SDN Framework to Diminish Redundant ARP and ICMP Traffics in Large-Scale LANs. , 2018, , .		5
215	A Real-Time Application Solution in Data Center Networking Using SDN. , 2018, , .		2
216	Application of Petri Networks for Support of Functional Stability of Information Systems. , 2018, , .		16
217	Fog-Assisted SDN Controlled Framework for Enduring Anomaly Detection in an IoT Network. IEEE Access, 2018, 6, 73713-73723.	4.2	47
218	A Method for Calculating Link Weight Dynamically by Entropy of Information in SDN. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
219	Softwarization and virtualization in 5G mobile networks: Benefits, trends and challenges. Computer Networks, 2018, 146, 65-84.	5.1	73
220	Hybrid SDN Networks: A Survey of Existing Approaches. IEEE Communications Surveys and Tutorials, 2018, 20, 3259-3306.	39.4	236
221	QoE Enhancement Schemes for Video in Converged OFDMA Wireless Networks and EPONs. Journal of Optical Communications and Networking, 2018, 10, 229.	4.8	8
222	Multi-level SDN with vehicles as fog computing infrastructures: A new integrated architecture for 5G-VANETs. , 2018, , .		23
223	On the Tradeoff between Performance and Programmability for Software Defined WiFi Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-12.	1.2	17
224	Live distributed controller migration for software-defined data center networks. , 2018, , .		0
225	A Brief Study of Software Defined Networking for Cloud Computing. , 2018, , .		5
226	Vehicle-to-Infrastructure Communication. Urban Computing, 2018, , 53-77.	0.9	3
227	Edge-assisted Traffic Engineering and applications in the IoT. , 2018, , .		3
228	Cooperative video caching scheme over software defined passive optical network. Journal of Network and Computer Applications, 2018, 117, 86-100.	9.1	5
230	A Qualitative Cross-Comparison of Emerging Technologies for Software-Defined Systems. , 2019, , .		11
231	Performance improvement and hardware implementation of Open Flow switch using FPGA. , 2019, , .		12
232	Experimenting SDN and Cloud Orchestration in Virtualized Testing Facilities: Performance Results and Comparison. IEEE Transactions on Network and Service Management, 2019, 16, 965-979.	4.9	11
233	Comparative Study of Software-Defined Networking (SDN) Traffic Controllers. , 2019, , .		0
234	An SDN-aided Information Centric Networking Approach to Publish-Subscribe with Mobile Consumers. , 2019, , .		4
235	Entropy-Based DoS Attack Identification in SDN. , 2019, , .		13
236	TCQGA—Software-Defined Transmission Control Scheme in 5G Networks from Queuing Game Perspective. Sensors, 2019, 19, 4170.	3.8	4
237	A low complexity mechanism for congestion notification in rural IPSec-enabled heterogeneous backhaul networks. International Journal of Communication Systems, 2019, 32, e4082.	2.5	1

#	ARTICLE	IF	CITATIONS
238	Performance Assessment of Software Defined Networks Management Protocol in Real Environments. , 2019, , .		0
239	Integrating Networking, Storage, and Computing for Resilient Battlefield Networks. IEEE Communications Magazine, 2019, 57, 56-63.	6.1	9
240	A Survey on Software Defined Network based on Architecture, Issues and Challenges. , 2019, , .		7
241	Dynamic control of functional splits for energy harvesting virtual small cells: A distributed reinforcement learning approach. Computer Communications, 2019, 148, 48-61.	5.1	12
242	FlowTracer: An Effective Flow Trajectory Detection Solution Based on Probabilistic Packet Tagging in SDN-Enabled Networks. IEEE Transactions on Network and Service Management, 2019, 16, 1884-1898.	4.9	6
243	Delay-Constrained Load Balancing in the SDN. Communications in Computer and Information Science, 2019, , 124-134.	0.5	0
244	Software-Defined architecture for QoS-Aware IoT deployments in 5G systems. Ad Hoc Networks, 2019, 93, 101911.	5.5	27
245	The State of the Art of Software Defined Networking (SDN) Issues in Current Network Architecture and a Solution for Network Management Using the SDN. International Journal of Technology Diffusion, 2019, 10, 33-48.	0.3	12
246	QoS improvement with an optimum controller selection for software-defined networks. PLoS ONE, 2019, 14, e0217631.	2.5	32
247	A Survey: Security Threats and Countermeasures in Software Defined Networking. , 2019, , .		9
248	Load Balancing for Software-Defined Networks. Lecture Notes in Electrical Engineering, 2019, , 235-244.	0.4	9
250	SDN Security: Challenges and Solutions. Lecture Notes in Electrical Engineering, 2019, , 837-848.	0.4	3
251	Secure Exchanges Activity in Function of Event Detection with the SDN. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 315-324.	0.3	5
252	Joint Load Control and Energy Sharing for Autonomous Operation of 5G Mobile Networks in Micro-Grids. IEEE Access, 2019, 7, 31140-31150.	4.2	20
253	Adaptable and Data-Driven Softwarized Networks: Review, Opportunities, and Challenges. Proceedings of the IEEE, 2019, 107, 711-731.	21.3	80
254	Performance Analysis of Quality of Service in Software-Defined Networking. Network Protocols and Algorithms, 2019, 10, 1.	1.0	2
255	Asymmetric network information cache based on mobile traffic in software-defined network. Advances in Mechanical Engineering, 2019, 11, 168781401881989.	1.6	0
256	A 5G V2X Ecosystem Providing Internet of Vehicles. Sensors, 2019, 19, 550.	3.8	97

#	ARTICLE	IF	CITATIONS
257	LB-UAVnet: Load Balancing Algorithm for UAV Based Network using SDN. , 2019, , .		8
258	MigrateSDN: efficient approach to integrate OpenFlow networks with STP-enabled networks. International Journal of Computational Science and Engineering, 2019, 20, 480.	0.5	0
259	Efficient QoS Provisioning Using SDN for End-to-end Data Delivery in UAV Assisted Network. , 2019, , .		7
260	A Security Mechanism for Software Defined Vulnerabilities. , 2019, , .		0
261	A Framework for QoS-aware Class Mapping in Multi-domain SDN. , 2019, , .		3
262	A Review of Load Balancing in Fog Computing. , 2019, , .		25
263	Buffer Management for Reducing Packet-in Messages in OpenFlow Networks. , 2019, , .		1
264	Real Time Experimentation Study of Software Defined Networking based on Openflow Protocol. , 2019, , .		2
265	A Review of Software-Defined WLANs: Architectures and Central Control Mechanisms. IEEE Communications Surveys and Tutorials, 2019, 21, 431-463.	39.4	34
266	A Survey of Quality of Service (QoS) Protocols and Software-Defined Networks (SDN). Advances in Intelligent Systems and Computing, 2019, , 527-545.	0.6	1
267	End-to-End Delay Enhancement in 6LoWPAN Testbed Using Programmable Network Concepts. IEEE Internet of Things Journal, 2019, 6, 3070-3086.	8.7	24
268	A High-Speed, Scalable, and Programmable Traffic Manager Architecture for Flow-Based Networking. IEEE Access, 2019, 7, 2231-2243.	4.2	2
269	Flexibility in Softwarized Networks: Classifications and Research Challenges. IEEE Communications Surveys and Tutorials, 2019, 21, 2600-2636.	39.4	55
270	Advances in Software-Defined Technologies for Underwater Acoustic Sensor Networks: A Survey. Journal of Sensors, 2019, 2019, 1-13.	1.1	17
271	Chaotic salp swarm algorithm for SDN multi-controller networks. Engineering Science and Technology, an International Journal, 2019, 22, 1001-1012.	3.2	77
272	Learning-based network path planning for traffic engineering. Future Generation Computer Systems, 2019, 92, 59-67.	7.5	58
273	Resource allocation in SDN based 5G cellular networks. Peer-to-Peer Networking and Applications, 2019, 12, 514-538.	3.9	25
274	Green Cloudlet Network: A Sustainable Platform for Mobile Cloud Computing. IEEE Transactions on Cloud Computing, 2020, 8, 180-192.	4.4	34

#	ARTICLE	IF	CITATIONS
275	Improving high-tech enterprise innovation in big data environment: A combinative view of internal and external governance. International Journal of Information Management, 2020, 50, 575-585.	17.5	66
276	A comprehensive survey of security threats and their mitigation techniques for next-generation SDN controllers. Concurrency Computation Practice and Experience, 2020, 32, e5300.	2.2	23
277	The Network-Integrated Storage System. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 486-500.	5.6	3
278	Software-Defined Networking (SDN): the security review. Journal of Cyber Security Technology, 2020, 4, 1-66.	2.9	19
279	An SDN-Enabled Pseudo-Honeypot Strategy for Distributed Denial of Service Attacks in Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2020, 16, 648-657.	11.3	70
280	5G network slicing using SDN and NFV: A survey of taxonomy, architectures and future challenges. Computer Networks, 2020, 167, 106984.	5.1	465
281	QoE Management of Multimedia Streaming Services in Future Networks: A Tutorial and Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 526-565.	39.4	125
282	Information Flow Tracking and Auditing for the Internet of Things Using Software-Defined Networking. Arabian Journal for Science and Engineering, 2020, 45, 3123-3132.	3.0	0
283	Proactive eviction of flow entry for SDN based on hidden Markov model. Frontiers of Computer Science, 2020, 14, 1.	2.4	18
284	Auction Design for Edge Computation Offloading in SDN-Based Ultra Dense Networks. IEEE Transactions on Mobile Computing, 2022, 21, 1580-1595.	5.8	19
285	Direct data flow bandwidth evaluation in SDN environment. , 2020, , .		0
286	Intelligent Load Balancing Techniques in Software Defined Networks: A Survey. Electronics (Switzerland), 2020, 9, 1091.	3.1	35
287	Detecting and Mitigating ARP Attacks in SDN-Based Cloud Environment. , 2020, , .		10
288	Enhancing Internet of Things Security using Software-Defined Networking. Journal of Systems Architecture, 2020, 110, 101779.	4.3	20
289	QoS aware and fault tolerant handovers in software defined LTE networks. Wireless Networks, 2020, 26, 4249-4267.	3.0	5
291	Detection and mitigation of DDoS attacks in SDN: A comprehensive review, research challenges and future directions. Computer Science Review, 2020, 37, 100279.	15.3	101
292	SDN-Based Centralized Channel Assignment Scheme Using Clustering in Dense WLAN Environments. Wireless Personal Communications, 2020, 114, 2693-2716.	2.7	4
293	Software-Defined Networking Approaches for Link Failure Recovery: A Survey. Sustainability, 2020, 12, 4255.	3.2	57

#	ARTICLE	IF	CITATIONS
294	Load-Balancing Algorithm for Multiple Gateways in Fog-Based Internet of Things. IEEE Internet of Things Journal, 2020, 7, 7043-7053.	8.7	22
295	Security and privacy attacks during data communication in Software Defined Mobile Clouds. Computer Communications, 2020, 153, 515-526.	5.1	17
296	Security in SDN: A comprehensive survey. Journal of Network and Computer Applications, 2020, 159, 102595.	9.1	110
297	Radio resource management: approaches and implementations from 4G to 5G and beyond. Wireless Networks, 2021, 27, 693-734.	3.0	28
298	Dynamic Resource Allocation Model for Distribution Operations Using SDN. IEEE Internet of Things Journal, 2021, 8, 976-988.	8.7	21
299	A kangaroo-based intrusion detection system on software-defined networks. Computer Networks, 2021, 184, 107688.	5.1	35
300	Critical infrastructure protection system design based on SCOUT multitech seCurity system for intercOnnected space control groUnd staTions. International Journal of Critical Infrastructure Protection, 2021, 32, 100407.	4.6	1
301	Forensic Investigation-Based Framework for SDN Using Blockchain. Advances in Information Security, Privacy, and Ethics Book Series, 2021, , 74-98.	0.5	3
303	Towards a Distributed Caching Service at the WiFi Edge Using Wi-Cache. IEEE Transactions on Network and Service Management, 2021, 18, 4489-4502.	4.9	3
304	Leveraging Software-Defined Networking Approach for Future Information-Centric Networking Enhancement. Symmetry, 2021, 13, 441.	2.2	11
305	Buffering and prioritization in switches for fast processing tableâ€miss packets in softwareâ€defined networks. International Journal of Communication Systems, 2021, 34, e4770.	2.5	0
306	Quality of service provisioning in network function virtualization: a survey. Computing (Vienna/New) Tj ETQq1 1 0.784314 rgBT /Overbo	4.8	21
307	Reaching Consensus with Byzantine Faulty Controllers in Software-Defined Networks. Wireless Communications and Mobile Computing, 2021, 2021, 1-9.	1.2	4
308	A review of IoT network management: Current status and perspectives. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 4163-4176.	3.9	34
309	DDoS Detection Using a Cloud-Edge Collaboration Method Based on Entropy-Measuring SOM and KD-Tree in SDN. Security and Communication Networks, 2021, 2021, 1-16.	1.5	7
310	Management of Software-Defined Networking Powered by Artificial Intelligence. , 0, , .		2
311	A survey of low-latency transmission strategies in software defined networking. Computer Science Review, 2021, 40, 100386.	15.3	16
312	An Enhanced Message Distribution Mechanism for Northbound Interfaces in the SDN Environment. Applied Sciences (Switzerland), 2021, 11, 4346.	2.5	4

#	ARTICLE	IF	CITATIONS
313	Fault-Tolerance Mechanisms for Software-Defined Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3859-3868.	8.0	18
314	Enhancing the security of blockchain-based software defined networking through trust-based traffic fusion and filtration. Information Fusion, 2021, 70, 60-71.	19.1	41
315	Denial of ARP spoofing in SDN and NFV enabled cloud-fog-edge platforms. Cluster Computing, 2021, 24, 3147-3172.	5.0	11
316	A comprehensive survey 5G wireless communication systems: open issues, research challenges, channel estimation, multi carrier modulation and 5G applications. Multimedia Tools and Applications, 2021, 80, 28789-28827.	3.9	36
317	Programmable and Reconfigurable Cyber-Physical Networked Microgrids through Software-Defined Networking. , 2021, , .		7
318	Bandwidth-Aware Rescheduling Mechanism in SDN-Based Data Center Networks. Electronics (Switzerland), 2021, 10, 1774.	3.1	3
319	Repeated game theory-based reducer selection strategy for energy management in SDWSN. Computer Networks, 2021, 193, 108094.	5.1	9
321	An Efficient Intrusion Detection System for SDN using Convolutional Neural Network. , 2021, , .		2
322	Comparative Analysis of Traditional and Software Defined Networks. , 2021, , .		6
323	Securing SDN-Based IoT Group Communication. Future Internet, 2021, 13, 207.	3.8	1
324	A survey on the roles of Bloom Filter in implementation of the Named Data Networking. Computer Networks, 2021, 196, 108232.	5.1	15
325	TSDN-WISE: Automatic Threshold-Based Low Control-Flow Communication Protocol for SDWSN. IEEE Sensors Journal, 2021, 21, 19560-19569.	4.7	9
326	Deep Reinforcement Learning for Autonomous Mobile Networks in Micro-grids. Studies in Computational Intelligence, 2021, , 259-308.	0.9	0
327	Distributed Virtual Network Embedding for Software-Defined Networks Using Multiagent Systems. IEEE Access, 2021, 9, 12027-12043.	4.2	7
328	Taxonomy of controller placement problem (CPP) optimization in Software Defined Network (SDN): a survey. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 10473-10498.	4.9	37
329	Energy savings in SDN networks. Gradus, 2021, 8, 205-210.	0.1	1
330	Cross-Layer Design. Springer Handbooks, 2020, , 553-582.	0.6	1
331	SDN-Based Replication Management Framework for CCN Networks. Advances in Intelligent Systems and Computing, 2020, , 83-99.	0.6	6

#	ARTICLE	IF	CITATIONS
332	A Study of Reducing Resource Waste for Mobile Grid with Software Defined Network. Lecture Notes in Computer Science, 2014, , 755-765.	1.3	1
333	Softwarization and Virtualization in 5G Networks for Smart Cities. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 179-186.	0.3	11
335	Survey of Software Components to Emulate OpenFlow Protocol as an SDN Implementation. American Journal of Software Engineering and Applications, 2014, 3, 74.	0.1	20
336	An Adaptation of Proxy Mobile IPv6 to OpenFlow Architecture over Software Defined Networking. IEICE Transactions on Communications, 2015, E98.B, 596-606.	0.7	4
337	Design and Performance Analysis of OpenFlow-Enabled Network Topologies Using Mininet. International Journal of Computer and Communication Engineering, 2016, 5, 419-429.	0.2	18
338	PERFORMANCE EVALUATION OF SDN CONTROLLERS: FLOODLIGHT AND OPENDAYLIGHT. IIUM Engineering Journal, 2016, 17, 47-57.	0.8	33
339	A survey on key roles of optical switching and labeling technologies on big data traffic of Data Centers and HPC environments. AIMS Electronics and Electrical Engineering, 2019, 3, 233-256.	1.5	5
340	DATA CENTER ARCHITECTURES: CHALLENGES AND OPPORTUNITIES. International Journal of New Computer Architectures and Their Applications, 2014, 4, 117-129.	0.2	0
341	Investigating the Performance of Link Aggregation on OpenFlow Switches. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 194-202.	0.3	3
342	A Study on OpenFlow based Virtual Network Platform for KREONET. Journal of Digital Convergence, 2014, 12, 309-319.	0.1	0
343	Interconnecting Smart Grids and Clouds to save Energy. , 2015, , .		3
345	Research and Implementation on Virtual Network Mapping Mechanism based on SDN. Open Cybernetics and Systemics Journal, 2015, 9, 1449-1452.	0.3	1
346	Random Tree Multicast Communications in Reconfigurable Network. International Journal of Future Generation Communication and Networking, 2016, 9, 1-10.	0.7	0
347	Evaluation and Comparison of Binary Trie base IP Lookup Algorithms with Real Edge Router IP Prefix Dataset. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.7	3
348	Campus Network using Software Defined Networking. International Journal of Computer Applications, 2016, 138, 1-5.	0.2	0
349	Firewall Policies Provisioning Through SDN in the Cloud. Lecture Notes in Computer Science, 2017, , 293-310.	1.3	1
350	New method for controller-to-controller communication in distributed SDN architecture. International Journal of Communication Networks and Distributed Systems, 2017, 19, 357.	0.4	2
351	Assuring Quality of Service by Using Openflow Protocol. Science: Future of Lithuania, 2017, 9, 329-333.	0.1	0

#	ARTICLE	IF	CITATIONS
352	Early Detection of Performance Degradation from Basic Aggregated Link Utilization Statistics. IEICE Transactions on Communications, 2018, E101.B, 508-519.	0.7	0
353	SDN Based Content-Centric QoS-Guaranteed for Wireless Multimedia Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 40-48.	0.3	1
356	Optimal software-defined network topology for distributed denial of service attack mitigation. Bulletin of Electrical Engineering and Informatics, 2020, 9, 2588-2594.	0.8	4
357	Software-Defined Networking: A Novel Approach to Networks. , 2020, , 313-339.		11
358	Enhancing an SDN Architecture with DoS Attack Detection Mechanisms. Advances in Science, Technology and Engineering Systems, 2020, 5, 215-224.	0.5	1
359	QoEMultiSDN: Management of Multimedia Services using MPTCP/SR in Softwarized and Virtualized Networks. IEEE Access, 2020, , 1-1.	4.2	5
361	An Adaptive Cloud Proto Type Model for Health Care System. Advances in Healthcare Information Systems and Administration Book Series, 0, , 66-76.	0.2	0
363	SDMN Architecture in 5G. MÅ±szaki TudomÅ±nyos KÅ±zlemÅ±nyek, 2020, 13, 101-104.	0.1	1
364	Adaptive Server Load Balancing in SDN Using PID Neural Network Controller. Computer Systems Science and Engineering, 2022, 42, 229-243.	2.4	5
365	Dynamic Resource Allocation for Virtual Machines in Cloud Data Center. Lecture Notes in Electrical Engineering, 2022, , 501-510.	0.4	1
366	Optimizing Energy Efficiency of QoS-Based Routing in Software-Defined Networks. , 2021, , .		7
368	SDN Mininet Emulator Benchmarking and Result Analysis. , 2020, , .		13
369	Searching for Optimal Software Defined Network Controller Against DDoS Attacks. , 2020, , .		0
370	A Pipelined Processing Model of Packets in an Open Flow Switch. , 2020, , .		0
371	Architecture and Deployment Models-SDN Protocols, APIs, and Layers, Applications and Implementations. Internet of Things, 2022, , 63-77.	1.7	3
372	Intrusion Detection System for SDN-enabled IoT Networks using Machine Learning Techniques. , 2021, , .		6
374	Source-Based Defense Against DDoS Attacks in SDN Based on sFlow and SOM. IEEE Access, 2022, 10, 2097-2116.	4.2	10
375	Generic Method for SDN Controller Selection Using AHP and TOPSIS Methods. International Journal of Information Technology and Decision Making, 0, , 1-29.	3.9	5

#	ARTICLE	IF	CITATIONS
376	Reinforcement Learning-Based Service-Oriented Dynamic Multipath Routing in SDN. Wireless Communications and Mobile Computing, 2022, 2022, 1-16.	1.2	6
377	Hybrid SDN Networks: A Multi-parameter Server Load Balancing Scheme. Journal of Network and Systems Management, 2022, 30, 1.	4.9	2
378	A hybrid method of entropy and SSAE-SVM based DDoS detection and mitigation mechanism in SDN. Computers and Security, 2022, 115, 102604.	6.0	19
379	Load Balancing Based on Closed Loop Control Theory (LBBCLCT): A Software Defined Networking (SDN) powered server load balancing system based on closed loop control theory. Concurrency Computation Practice and Experience, 2022, 34, .	2.2	3
380	A Survey of Machine Learning Methods for DDoS Threats Detection Against SDN. Communications in Computer and Information Science, 2022, , 99-127.	0.5	7
382	Knowledge-defined networking: Applications, challenges and future work. Array, 2022, 14, 100136.	4.0	7
383	Enabling fast path delay measurement using closeness centrality. Internet Technology Letters, 2022, 5, .	1.9	0
384	An Identity-Based Encryption Method for SDN-Enabled Source Routing Systems. Security and Communication Networks, 2022, 2022, 1-7.	1.5	2
385	Improved IOT/SDN Architecture with the Concept of NFV. Lecture Notes in Networks and Systems, 2022, , 294-301.	0.7	2
386	Network traffic discrimination improvement in software defined network (SDN) with deep autoencoder and ensemble method. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	4.9	3
387	<scp>SDN</scp>-based load balance routing mechanism for Information Centric Networking. Internet Technology Letters, 2023, 6, .	1.9	1
388	Security-driven prioritization for tactical mobile networks. Journal of Information Security and Applications, 2022, 67, 103198.	2.5	2
389	A Rapid Deployment Mechanism of Forwarding Rules for Reactive Mode SDN Networks. Symmetry, 2022, 14, 1026.	2.2	0
390	Reaching Efficient Byzantine Agreements in Bipartite Networks. IEEE Access, 2022, 10, 53578-53600.	4.2	0
391	Log collection and SIEM for 5G SOC. , 2022, , .		3
392	A Novel Approach For Reduction of DDOS Attacks in Cloud Computing using Non-Parametric Hypothesis. , 2022, , .		1
393	An Efficient Approach for Load balancing in Software-Defined Networks. , 2021, , .		2
394	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

#	ARTICLE	IF	CITATIONS
395	Enabling Reconfigurable Naval SCADA Network through Software-Defined Networking. , 2022, , .		4
396	Denial of Service Cyberattacks to Naval Software Defined-Networking-Enabled SCADA Network. , 2022, , .		3
397	A comprehensive survey on software-defined networking for smart communities. International Journal of Communication Systems, 0, , .	2.5	5
398	Network Slicing for mMTC and URLLC Using Software-Defined Networking with P4 Switches. Electronics (Switzerland), 2022, 11, 2111.	3.1	6
399	Optimized software-defined multimedia framework: networking and computing resource management. Journal of Ambient Intelligence and Humanized Computing, 0, , .	4.9	0
401	Advancing SDN from OpenFlow to P4: A Survey. ACM Computing Surveys, 2023, 55, 1-37.	23.0	21
402	Software-Defined Networks for Optical Networks Using Flexible Orchestration: Advances, Challenges, and Opportunities. Journal of Computer Networks and Communications, 2022, 2022, 1-40.	1.6	5
403	Comparative evaluation of traffic load balancing and QoS in SDN networks. AIP Conference Proceedings, 2022, , .	0.4	0
404	Intelligent Scheduling of Business and Traffic in Power Communication Network based on SDN. , 2022, , .		0
405	SDN/NFV Enabled Security for an Enterprise Network using Commodity Hardware. , 2022, , .		2
408	Survey on Enabling Network Slicing Based on SDN/NFV. Lecture Notes in Networks and Systems, 2023, , 733-758.	0.7	0
409	A Fuzzy approach for load balancing in Blockchain-based Software Defined Vehicular Networks. , 2022, , .		1
410	Reliable Application Layer Routing Using Decentralized Identifiers. Future Internet, 2022, 14, 322.	3.8	1
411	A Novel Heuristic Algorithm for Energy Saving in SDN networks. , 2022, , .		0
412	Peer-to-Peer Communication Using Novel Slice Handover Algorithm for 5G Wireless Networks. Journal of Sensor and Actuator Networks, 2022, 11, 82.	3.9	1
413	A Secure Data Flow Forwarding Method Based on Service Ordering Management. Electronics (Switzerland), 2022, 11, 4107.	3.1	2
415	A survey on data plane programming with P4: Fundamentals, advances, and applied research. Journal of Network and Computer Applications, 2023, 212, 103561.	9.1	34
416	Opportunistic coding across on-route dominating nodes in a flow-oriented <sc>SDN</sc> enabled <sc>WSN</sc>. Concurrency Computation Practice and Experience, 2023, 35, .	2.2	0

#	ARTICLE	IF	CITATIONS
417	Software-Defined Wireless Sensor Network: A Comprehensive Survey. Journal of Network and Computer Applications, 2023, 215, 103636.	9.1	7
418	Wireless networks in providing extraordinary quality of experience for camera consumers. AIP Conference Proceedings, 2023, , .	0.4	0
419	Optical path management based on machine learning for optical networks. , 2023, , .		0
420	An Investigation on Fat Tree Topology ARP Spoof Detection Using Software Defined Networking. , 2022, , .		0
421	A Promising Integration of SDN and Blockchain for IoT Networks: A Survey. IEEE Access, 2023, 11, 29800-29822.	4.2	8
422	Optimized load balancing using software-defined networking (SDN). I-manager S Journal on Computer Science, 2022, 10, 20.	0.2	0
423	Data Center Traffic Scheduling Strategy for Minimization Congestion and Quality of Service Guaranteeing. Computers, Materials and Continua, 2023, 75, 4377-4393.	1.9	1
424	WiMA: Towards a Multi-Criterion Association in Software Defined Wi-Fi Networks. Computers, Materials and Continua, 2023, 75, 2347-2363.	1.9	2
425	A Survey on SDN and SDCN Traffic Measurement: Existing Approaches and Research Challenges. Eng, 2023, 4, 1071-1115.	2.4	0
426	Performance comparison of Webserver load balancing using HAProxy in SDN. , 2023, , .		1
427	Network resource management mechanisms in SDN enabled WSNs: A comprehensive review. Computer Science Review, 2023, 49, 100569.	15.3	2
428	Mobile Edge Computing Enabled Intelligent IoT. Wireless Networks, 2023, , 271-350.	0.5	0
429	Software-Defined Networking approaches for intrusion response in Industrial Control Systems: A survey. International Journal of Critical Infrastructure Protection, 2023, 42, 100615.	4.6	2
430	Toward an SDN-Based Web Application Firewall: Defending against SQL Injection Attacks. Future Internet, 2023, 15, 170.	3.8	4
431	Threats to Control Plane of Software Defined Networks: An Extensive Study. , 2023, , .		0
432	Deep Learning Traffic Prediction to Optimize Routing Paths and Reduce Latency in SDN. , 2023, , .		0
433	Joint RMSSA Scheme and Link Load Balancing for SD-SCNs from Model Building to Algorithm Design. Journal of Optical Communications and Networking, 0, , .	4.8	0
434	Disjoint Multipath Routing for Naval SCADA Systems by Utilizing RYU SDN Controller. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
435	Evolution of Next-Generation Communication Technology. , 2023, , 1-17.		0
436	Kunerva: Automated Network Policy Discovery Framework for Containers. IEEE Access, 2023, , 1-1.	4.2	0
437	An Overview Of Low Earth Orbit Satellite Routing Algorithms. , 2023, , .		0
438	On the (in)Security of the Control Plane of SDN Architecture: A Survey. IEEE Access, 2023, 11, 91550-91582.	4.2	1
440	Enhancing Network Intrusion Recovery in SDN with machine learning: an innovative approach. Arab Journal of Basic and Applied Sciences, 2023, 30, 561-572.	2.1	2
441	Saving Energy Using the Modified Heuristic Algorithm for Energy Saving (MHAES) in Software-Defined Networks. Sensors, 2023, 23, 9581.	3.8	0
443	Detection of attacks on software defined networks using machine learning techniques and imbalanced data handling methods. Security and Privacy, 2024, 7, .	2.7	0
444	A Survey onÂDDoS Detection Using Deep Learning inÂSoftware Defined Networking. Lecture Notes in Electrical Engineering, 2024, , 479-494.	0.4	0
445	A survey on energyâ€efficient workflow scheduling algorithms in cloud computing. Software - Practice and Experience, 0, , .	3.6	1
446	Hybrid Testbed for Security Research in Software-Defined Networks. , 2023, , .		0
447	Flexible open network operating system architecture for implementing higher scalability using disaggregated softwareâ€defined optical networking. IET Networks, 0, , .	1.8	0
448	Performance Analysis of Raspberry Pi-based Testbed Development for P4 Programmable Data Plane. , 2023, , .		0
449	Towards Effective Intrusion Detection in OpenFlow-Based SDN Architectures. International Journal of Scientific Research in Computer Science Engineering and Information Technology, 2023, , 210-220.	0.3	0
450	Learning Failure-Inducing Models for Testing Software-Defined Networks. ACM Transactions on Software Engineering and Methodology, 0, , .	6.0	0