Massimo Tornatore

List of Publications by Year
in descending order

391	7,830	87888	95266
papers	citations	38	68
		h-index	g-index
391	391	391	4067
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Survivable Virtual Network Mapping With Fiber Tree Establishment in Filterless Optical Networks. IEEE Transactions on Network and Service Management, 2022, 19, 37-48.	4.9	8
2	Domain adaptation and transfer learning for failure detection and failure-cause identification in optical networks across different lightpaths [Invited]. Journal of Optical Communications and Networking, 2022, 14, A91.	4.8	11
3	Machine-Learning-Enabled DDoS Attacks Detection in P4 Programmable Networks. Journal of Network and Systems Management, 2022, 30, 1.	4.9	32
4	Tutorial on filterless optical networks [Invited]. Journal of Optical Communications and Networking, 2022, 14, 1.	4.8	17
5	Progressive Slice Recovery With Guaranteed Slice Connectivity After Massive Failures. IEEE/ACM Transactions on Networking, 2022, 30, 826-839.	3.8	6
6	Machine Learning methods for Quality-of-Transmission estimation. , 2022, , 189-224.		2
7	Coflow scheduling and placement for packet-switched optical datacenter networks. Photonic Network Communications, 2022, 43, 156-164.	2.7	0
8	Multilayer protection-at-lightpath for reliable slicing with isolation in optical metro-aggregation networks. Journal of Optical Communications and Networking, 2022, 14, 289.	4.8	7
9	On Deep Reinforcement Learning for Static Routing and Wavelength Assignment. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-12.	2.9	14
10	If Not Here, There. Explaining Machine Learning Models for Fault Localization in Optical Networks. , 2022, , .		7
11	Impact of Processing-Resource Sharing on the Placement of Chained Virtual Network Functions. IEEE Transactions on Cloud Computing, 2021, 9, 1479-1492.	4.4	29
12	Energy-Efficient vBBU Migration and Wavelength Reassignment in Cloud-Fog RAN. IEEE Transactions on Green Communications and Networking, 2021, 5, 18-28.	5.5	5
13	Intelligent Reflecting Surface Assisted Anti-Jamming Communications: A Fast Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2021, 20, 1963-1974.	9.2	124
14	Machine learning regression for QoT estimation of unestablished lightpaths. Journal of Optical Communications and Networking, 2021, 13, B92.	4.8	36
15	QoT-Aware Optical Amplifier Placement in Filterless Metro Networks. IEEE Communications Letters, 2021, 25, 931-935.	4.1	14
16	Supervised and Semi-Supervised Learning for Failure Identification in Microwave Networks. IEEE Transactions on Network and Service Management, 2021, 18, 1934-1945.	4.9	9
17	Optical Metro Network Design with Low Cost of Equipment. , 2021, , .		6
18	C+L-band upgrade strategies to sustain traffic growth in optical backbone networks. Journal of Optical Communications and Networking, 2021, 13, 193.	4.8	17

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19	Online Virtual Machine Evacuation for Disaster Resilience in Inter-Data Center Networks. IEEE Transactions on Network and Service Management, 2021, 18, 1990-2001.	4.9	7
20	A novel bandwidth allocation scheme for OTSS-enabled flex-grid intra-datacenter networks. Photonic Network Communications, 2021, 42, 93-104.	2.7	0
21	Guest Editorial Latest Advances in Optical Networks for 5G Communications and Beyond. IEEE Journal on Selected Areas in Communications, 2021, 39, 2667-2671.	14.0	3
22	Disaster resilience of optical networks: State of the art, challenges, and opportunities. Optical Switching and Networking, 2021, 42, 100619.	2.0	16
23	Dynamic secret-key provisioning in quantum-secured passive optical networks (PONs). Optics Express, 2021, 29, 1578.	3.4	8
24	Comparison of domain adaptation and active learning techniques for quality of transmission estimation with small-sized training datasets [Invited]. Journal of Optical Communications and Networking, 2021, 13, A56.	4.8	27
25	27 Machine Learning Algorithms Based on Haplotype Libraries for Classification of Stillbirth Susceptibility in Holstein Cows. Journal of Animal Science, 2021, 99, 15-16.	0.5	2
26	Quantifying Resource Savings from Low-Margin Design in Optical Networks with Probabilistic Constellation Shaping. , 2021, , .		11
27	Reoptimizing Network Slice Embedding on EON-enabled Transport Networks. , 2021, , .		2
28	Survivable Virtual Network Mapping against Double-Link Failures Based on Virtual Network Capacity Sharing. , 2021, , .		1
29	Strategies for Dedicated Path Protection in Filterless Optical Networks. , 2021, , .		7
30	Latency- and capacity-aware placement of chained Virtual Network Functions in FMC metro networks. Optical Switching and Networking, 2020, 35, 100536.	2.0	11
31	Reducing probes for quality of transmission estimation in optical networks with active learning. Journal of Optical Communications and Networking, 2020, 12, A38.	4.8	29
32	Traffic-Adaptive Re-Configuration of Programmable Filterless Optical Networks. , 2020, , .		7
33	Dynamic DU/CU Placement for 3-layer C-RANs in Optical Metro-Access Networks. , 2020, , .		5
34	Joint Optimization of Survivability and Energy Efficiency in 5G C-RAN With mm-Wave Based RRH. IEEE Access, 2020, 8, 100159-100171.	4.2	4
35	Virtualized controller placement for multi-domain optical transport networks using machine learning. Photonic Network Communications, 2020, 40, 126-136.	2.7	8
36	Survivable virtual network mapping with content connectivity against multiple link failures in optical metro networks. Journal of Optical Communications and Networking, 2020, 12, 301.	4.8	16

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37	Survivable Virtual Network Mapping in Filterless Optical Networks. , 2020, , .		11
38	Machine-learning-assisted DDoS attack detection with P4 language. , 2020, , .		41
39	A Privacy-Preserving Reinforcement Learning Algorithm for Multi-Domain Virtual Network Embedding. IEEE Transactions on Network and Service Management, 2020, 17, 2291-2304.	4.9	16
40	On Dynamic Service Chaining in Filterless Optical Metro-Aggregation Networks. IEEE Access, 2020, 8, 222233-222241.	4.2	9
41	Optimal Cache Deployment for Video-On-Demand in Optical Metro Edge Nodes under Limited Storage Capacity. Applied Sciences (Switzerland), 2020, 10, 1984.	2.5	0
42	Cost-Efficient VNF Placement and Scheduling in Public Cloud Networks. IEEE Transactions on Communications, 2020, 68, 4946-4959.	7.8	46
43	Reliable Slicing of 5G Transport Networks With Bandwidth Squeezing and Multi-Path Provisioning. IEEE Transactions on Network and Service Management, 2020, 17, 1418-1431.	4.9	30
44	Dynamic routing, spectrum, and modulation-format allocation in mixed-grid optical networks. Journal of Optical Communications and Networking, 2020, 12, 79.	4.8	34
45	Emergency OPM Recreation and Telemetry for Disaster Recovery in Optical Networks. Journal of Lightwave Technology, 2020, 38, 2656-2668.	4.6	9
46	Isolation-Aware 5G RAN Slice Mapping Over WDM Metro-Aggregation Networks. Journal of Lightwave Technology, 2020, 38, 1125-1137.	4.6	36
47	Minimum-Cost Optical Amplifier Placement in Metro Networks. Journal of Lightwave Technology, 2020, 38, 3221-3228.	4.6	11
48	Latency and energy-aware provisioning of network slices in cloud networks. Computer Communications, 2020, 157, 1-19.	5.1	17
49	Joint Progressive Network and Datacenter Recovery After Large-Scale Disasters. IEEE Transactions on Network and Service Management, 2020, 17, 1501-1514.	4.9	16
50	Fragmentation metrics and fragmentation-aware algorithm for spectrally/spatially flexible optical networks. Journal of Optical Communications and Networking, 2020, 12, 133.	4.8	29
51	Fragmentation Metrics in Spectrally-Spatially Flexible Optical Networks. Lecture Notes in Computer Science, 2020, , 235-247.	1.3	8
52	Virtualized Controller Placement for Multi-domain Optical Transport Networks. Lecture Notes in Computer Science, 2020, , 39-50.	1.3	1
53	DU/CU Placement for C-RAN over Optical Metro-Aggregation Networks. Lecture Notes in Computer Science, 2020, , 82-93.	1.3	12
54	Reliable Control and Data Planes forÂSoftwarized Networks. Computer Communications and Networks, 2020, , 243-270.	0.8	3

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55	Measurement and control of geo-location privacy on Twitter. Online Social Networks and Media, 2020, 17, 100078.	3.6	3
56	Auto-Scaling Network Service Chains Using Machine Learning and Negotiation Game. IEEE Transactions on Network and Service Management, 2020, 17, 1322-1336.	4.9	15
57	Towards explainable artificial intelligence for network function virtualization. , 2020, , .		8
58	Active vs Transfer Learning Approaches for QoT Estimation with Small Training Datasets. , 2020, , .		13
59	Experimental Demonstration of Optical Multicast Packet Transmissions in Optical Packet/Circuit Integrated Networks. , 2020, , .		5
60	Disruption-minimized Re-adaptation of Virtual Links in Elastic Optical Networks. , 2020, , .		5
61	Fundamentals of Communication Networks Resilience to Disasters and Massive Disruptions. Computer Communications and Networks, 2020, , 1-43.	0.8	14
62	Resilient NFV Technology and Solutions. Computer Communications and Networks, 2020, , 675-697.	0.8	0
63	Transfer Learning across Different Lightpaths for Failure-Cause Identification in Optical Networks. , 2020, , .		8
64	Intelligent Reflecting Surface Assisted Anti-Jamming Communications Based on Reinforcement Learning. , 2020, , .		7
65	Virtual Network Mapping vs Embedding with Link Protection in Filterless Optical Networks. , 2020, , .		5
66	Machine Learning Regression vs. Classification for QoT Estimation of Unestablished Lightpaths. , 2020, , .		4
67	Reconfiguration of VNF Placement in an Optical Metro Network by a Modular Planning Tool. , 2020, , .		1
68	Alert-Based Network Reconfiguration and Data Evacuation. Computer Communications and Networks, 2020, , 353-377.	0.8	4
69	Reprovisioning for latency-aware dynamic service chaining in metro networks. Journal of Optical Communications and Networking, 2020, 12, 355.	4.8	1
70	Dynamic 5G RAN slice adjustment and migration based on traffic prediction in WDM metro-aggregation networks. Journal of Optical Communications and Networking, 2020, 12, 403.	4.8	9
71	Exploiting DPDK in Containerized Environment with Unsupported Hardware. , 2020, , .		1
72	An Open Privacy-Preserving and Scalable Protocol for a Network-Neutrality Compliant Caching. , 2019, , .		5

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73	Latency-Aware Traffic Grooming for Dynamic Service Chaining in Metro Networks. , 2019, , .		9
74	Provisioning Short-Term Traffic Fluctuations in Elastic Optical Networks. IEEE/ACM Transactions on Networking, 2019, 27, 1460-1473.	3.8	13
75	A Tutorial on Machine Learning for Failure Management in Optical Networks. Journal of Lightwave Technology, 2019, 37, 4125-4139.	4.6	83
76	Edge Computing and Networking: A Survey on Infrastructures and Applications. IEEE Access, 2019, 7, 101213-101230.	4.2	58
77	Achieving a Fully-Flexible Virtual Network Embedding in Elastic Optical Networks. , 2019, , .		24
78	Network Traffic Prediction based on Diffusion Convolutional Recurrent Neural Networks. , 2019, , .		56
79	Privacy-Preserving Caching in ISP Networks. , 2019, , .		1
80	Efficient Online Virtual Machines Migration for Alert-Based Disaster Resilience. , 2019, , .		5
81	Routing and Spectrum Assignment Integrating Machine-Learning-Based QoT Estimation in Elastic Optical Networks. , 2019, , .		27
82	Low-Latency and Energy-Efficient BBU Placement and VPON Formation in Virtualized Cloud-Fog RAN. Journal of Optical Communications and Networking, 2019, 11, B37.	4.8	25
83	Latency-Aware CU Placement/Handover in Dynamic WDM Access-Aggregation Networks. Journal of Optical Communications and Networking, 2019, 11, B71.	4.8	14
84	Transceivers and Spectrum Usage Minimization in Few-Mode Optical Networks. Journal of Lightwave Technology, 2019, 37, 4030-4040.	4.6	3
85	Energy-Efficient Video-On-Demand Content Caching and Distribution in Metro Area Networks. IEEE Transactions on Green Communications and Networking, 2019, 3, 159-169.	5.5	20
86	Machine Learning for Optical Network and Transmission - Why and Where?. , 2019, , .		0
87	Logical Network Mapping With Content Connectivity Against Multiple Link Failures in Optical Metro Networks. , 2019, , .		2
88	Energy-Efficient Baseband Processing via vBBU Migration in Virtualized Cloud-Fog RAN. , 2019, , .		2
89	Reliable Slicing of 5G Transport Networks with Dedicated Protection. , 2019, , .		10
90	Slice-Aware Service Restoration with Recovery Trucks for Optical Metro-Access Networks. , 2019, , .		3

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91	A Privacy-Preserving Protocol for Network-Neutral Caching in ISP Networks. IEEE Access, 2019, 7, 160227-160240.	4.2	7
92	Virtual Network Embedding with Path-based Latency Guarantees in Elastic Optical Networks. , 2019, , .		13
93	A Techno-Economic Evaluation of VNF Placement Strategies in Optical Metro Networks. , 2019, , .		3
94	An Overview on Application of Machine Learning Techniques in Optical Networks. IEEE Communications Surveys and Tutorials, 2019, 21, 1383-1408.	39.4	374
95	Crosstalk-Aware Core and Spectrum Assignment in a Multicore Optical Link With Flexible Grid. IEEE Transactions on Communications, 2019, 67, 2144-2156.	7.8	24
96	Resilient BBU placement in 5G C-RAN over optical aggregation networks. Photonic Network Communications, 2019, 37, 388-398.	2.7	13
97	Data evacuation from data centers in disaster-affected regions through software-defined satellite networks. Computer Networks, 2019, 148, 88-100.	5.1	9
98	Using Active Learning to Decrease Probes for QoT Estimation in Optical Networks. , 2019, , .		7
99	Demand-adaptive VNF placement and scheduling with low latency in optical datacenter networks. , 2019, , .		2
100	Bandwidth Provisioning for Virtual Machine Migration in Cloud: Strategy and Application. IEEE Transactions on Cloud Computing, 2018, 6, 967-976.	4.4	25
101	Machine-Learning Method for Quality of Transmission Prediction of Unestablished Lightpaths. Journal of Optical Communications and Networking, 2018, 10, A286.	4.8	150
102	Power reduction strategies with differentiated quality of protection in IP-over-WDM networks. Annales Des Telecommunications/Annals of Telecommunications, 2018, 73, 81-94.	2.5	4
103	A Scalable Approach for Service Chain Mapping With Multiple SC Instances in a Wide-Area Network. IEEE Journal on Selected Areas in Communications, 2018, 36, 529-541.	14.0	49
104	On service-chaining strategies using Virtual Network Functions in operator networks. Computer Networks, 2018, 133, 1-16.	5.1	41
105	Dynamic Workload Migration Over Backbone Network to Minimize Data Center Electricity Cost. IEEE Transactions on Green Communications and Networking, 2018, 2, 570-579.	5.5	29
106	Optimal Cache Deployment for Video-an-Demand Delivery in Optical Metro-Area Networks. , 2018, , .		2
107	Caching Placement Strategies for Dynamic Content Delivery in Metro Area Networks. , 2018, , .		1
108	Cost-Efficient Resource Sharing in Ethernet-based 5G Mobile Fronthaul Networks. , 2018, , .		0

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109	Combating Resource Crunch in an Optical Network: Demand-Responsive Dynamic OSNR Margin Allocation. , 2018, , .		0
110	Dynamic Routing and Spectrum Assignment in Co-Existing Fixed/Flex-Grid Optical Networks. , 2018, , .		5
111	Discovering the Geographic Distribution of Live Videos' Users: A Privacy-Preserving Approach. , 2018, , .		5
112	Running the Network Harder: Connection Provisioning Under Resource Crunch. IEEE Transactions on Network and Service Management, 2018, 15, 1615-1629.	4.9	5
113	ICC 2018 Workshops Message from the Workshop Co-Chairs. , 2018, , .		0
114	To be Neutral or Not Neutral? The In-Network Caching Dilemma. IEEE Internet Computing, 2018, 22, 18-26.	3.3	5
115	Introduction to the JOCN Special Issue on Machine Learning and Data Analytics for Optical Communications and Networking. Journal of Optical Communications and Networking, 2018, 10, ML1.	4.8	2
116	RASCAR: Recovery-Aware Switch-Controller Assignment and Routing in SDN. IEEE Transactions on Network and Service Management, 2018, 15, 1222-1234.	4.9	21
117	Dynamic Controller Deployment for Mixed-Grid Optical Networks. , 2018, , .		2
118	Insights from Analysis of Video Streaming Data to Improve Resource Management. , 2018, , .		9
119	Energy-Efficient Dynamic Lightpath Adjustment in a Decomposed AWGR-Based Passive WDM Fronthaul: publisher's note. Journal of Optical Communications and Networking, 2018, 10, 936.	4.8	0
120	Content Fragmentation: A Redundancy Scheme to Save Energy in Cloud Networks. IEEE Transactions on Green Communications and Networking, 2018, 2, 1186-1196.	5.5	4
121	Energy-Efficient Lightpath Reconfiguration in a Decomposed-AWGR-Based Passive WDM Fronthaul. , 2018, , .		0
122	Migrating from Fixed Grid to Flexible Grid Optical Networks. , 2018, , .		0
123	Survivable BBU Placement for C-RAN over Optical Aggregation Networks. , 2018, , .		5
124	Network Performance Trade-Off in Modular Data Centers With Optical Spatial Division Multiplexing. Journal of Optical Communications and Networking, 2018, 10, 796.	4.8	1
125	Energy-Efficient Dynamic Lightpath Adjustment in a Decomposed AWGR-Based Passive WDM Fronthaul. Journal of Optical Communications and Networking, 2018, 10, 749.	4.8	16
126	Enhancing RAN Throughput by Optimized CoMP Controller Placement in Optical Metro Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 2561-2569.	14.0	12

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127	An Online Strategy for Service Degradation with Proportional QoS in Elastic Optical Networks. , 2018, , .		7
128	Filterless and Semi-Filterless Solutions in a Metro-HAUL Network Architecture. , 2018, , .		15
129	Multiplexing Gain and Processing Savings of 5G Radio-Access-Network Functional Splits. IEEE Transactions on Green Communications and Networking, 2018, 2, 982-991.	5.5	30
130	A survey on high-precision time synchronization techniques for optical datacenter networks and a zero-overhead microsecond-accuracy solution. Photonic Network Communications, 2018, 36, 56-67.	2.7	10
131	QoE Enhancement Schemes for Video in Converged OFDMA Wireless Networks and EPONs. Journal of Optical Communications and Networking, 2018, 10, 229.	4.8	8
132	Auto-Scaling VNFs Using Machine Learning to Improve QoS and Reduce Cost. , 2018, , .		53
133	Virtual-network-function placement for dynamic service chaining in metro-area networks. , 2018, , .		40
134	Robust hierarchical control plane for Transport Software-Defined Networks. Optical Switching and Networking, 2018, 30, 10-22.	2.0	10
135	Scheduling with Machine-Learning-Based Flow Detection for Packet-Switched Optical Data Center Networks. Journal of Optical Communications and Networking, 2018, 10, 365.	4.8	34
136	Resource Allocation in Optical Networks Secured by Quantum Key Distribution. IEEE Communications Magazine, 2018, 56, 130-137.	6.1	103
137	Traffic Classification and Sifting to Improve TDM-EPON Fronthaul Upstream Efficiency. Journal of Optical Communications and Networking, 2018, 10, C15.	4.8	8
138	An Inter-Modal-Coupling-Aware Heuristic Algorithm for Routing, Spectrum and Mode Assignment in Few-Mode Optical Networks. , 2018, , .		1
139	Modulation Format, Spectrum and Core Assignment in a Multicore Flexi-Grid Optical Link. , 2018, , .		5
140	Machine-Learning-Based Soft-Failure Detection and Identification in Optical Networks. , 2018, , .		71
141	Data Analytics and Machine learning applied to Transport Layer. , 2018, , .		4
142	Coordinating Multi-access Edge Computing with Mobile Fronthaul for Optimizing 5G End-to-End Latency. , 2018, , .		12
143	ABNO-driven content distribution in the telecom cloud. Optical Switching and Networking, 2017, 26, 25-38.	2.0	2
144	5G Fronthaulâ€"Latency and Jitter Studies of CPRI Over Ethernet. Journal of Optical Communications and Networking, 2017, 9, 172.	4.8	99

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145	Spatial Division Multiplexing for High Capacity Optical Interconnects in Modular Data Centers. Journal of Optical Communications and Networking, 2017, 9, A143.	4.8	27
146	Introduction to the Special Issue on Optical Network Design and Modeling. Journal of Optical Communications and Networking, 2017, 9, ODM1.	4.8	1
147	Dynamic Bandwidth and Wavelength Allocation Scheme for Next-Generation Wavelength-Agile EPON. Journal of Optical Communications and Networking, 2017, 9, B33.	4.8	43
148	Efficient Routing and Bandwidth Assignment for Inter-Data-Center Live Virtual-Machine Migrations. Journal of Optical Communications and Networking, 2017, 9, B12.	4.8	13
149	Green Data Center Placement in Optical Cloud Networks. IEEE Transactions on Green Communications and Networking, 2017, 1, 347-357.	5.5	37
150	Protection strategies for virtual network functions placement and service chains provisioning. Networks, 2017, 70, 373-387.	2.7	33
151	Virtualized Cloud Radio Access Network for 5G Transport. , 2017, 55, 202-209.		46
152	Post-disaster data evacuation from isolated data centers through LEO satellite networks. , 2017, , .		0
153	Enhancing RAN throughput by optimizec controller placement in optical metro networks. , 2017, , .		2
154	Virtual machine placement and workload assignment for mobile edge computing. , 2017, , .		32
155	Routing, Modulation Format, Baud Rate and Spectrum Allocation in Optical Metro Rings With Flexible Grid and Few-Mode Transmission. Journal of Lightwave Technology, 2017, 35, 61-70.	4.6	46
156	Optimal Placement of Virtualized BBU Processing in Hybrid Cloud-Fog RAN over TWDM-PON. , 2017, , .		14
157	TDM EPON Fronthaul Upstream Capacity Improvement via Traffic Classification and Sifting. , 2017, , .		1
158	C-RAN baseband pooling: Cost model and multiplexing gain analysis. , 2017, , .		6
159	Techno-Economic Evaluation of CDN Deployments in Metropolitan Area Networks. , 2017, , .		6
160	QoT Estimation for Unestablished Lighpaths using Machine Learning. , 2017, , .		62
161	Multiple service chain placement and routing in a network-enabled cloud. , 2017, , .		4
162	Service Chain (SC) Mapping with Multiple SC Instances in a Wide Area Network. , 2017, , .		3

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163	Cost-effective migration towards C-RAN with optimal fronthaul design. , 2017, , .		11
164	Game-Assisted Distributed Decision Making to Build Virtual TDM-PONs in C-RANs Adaptively. Journal of Optical Communications and Networking, 2017, 9, 546.	4.8	11
165	Priority-aware scheduling for packet-switched optical networks in datacenter. , 2017, , .		4
166	Application-aware resource provisioning in a heterogeneous Internet of Things. , 2017, , .		7
167	Dynamic Placement of BaseBand Processing in 5G WDM-based Aggregation Networks. , 2017, , .		11
168	Network Performance Trade-Off in Optical Spatial Division Multiplexing Data Centers. , 2017, , .		1
169	BBU Hotelling in Centralized Radio Access Networks. Optical Networks Series, 2017, , 265-291.	1.1	0
170	Joint Progressive Recovery of Optical Network and Datacenters After Large-Scale Disasters. , 2017, , .		8
171	Joint Allocation of Radio and Optical Resources in Virtualized Cloud RAN with CoMP. , 2016, , .		14
172	Virtual Network Function placement for resilient Service Chain provisioning. , 2016, , .		72
173	Handover Reduction in Virtualized Cloud Radio Access Networks Using TWDM-PON Fronthaul. Journal of Optical Communications and Networking, 2016, 8, B124.	4.8	29
174	Strategies for effective converged control of LTE and Wi-Fi networks. , 2016, , .		0
175	Network requirements for latency-critical services in a full cloud deployment. , 2016, , .		2
176	Energy Efficiency and Blocking Reduction for Tidal Traffic via Stateful Grooming in IP-Over-Optical Networks. Journal of Optical Communications and Networking, 2016, 8, 175.	4.8	29
177	Multiple traveling repairmen problem with virtual networks for post-disaster resilience. , 2016, , .		1
178	Green and Low-Risk Content Placement in optical content delivery networks. , 2016, , .		2
179	Survivable Multipath Routing of Anycast and Unicast Traffic in Elastic Optical Networks. Journal of Optical Communications and Networking, 2016, 8, 343.	4.8	26
180	Fairness-Aware Degradation Based Multipath Re-provisioning Strategy for Post-Disaster Telecom Mesh Networks. Journal of Optical Communications and Networking, 2016, 8, 441.	4.8	8

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181	To distribute or not to distribute? Impact of latency on Virtual Network Function distribution at the edge of FMC networks. , 2016, , .		13
182	A survey of strategies for communication networks to protect against large-scale natural disasters. , 2016, , .		90
183	Load balancing and latency reduction in multi-user CoMP over TWDM-VPONs. , 2016, , .		9
184	A survey on network resiliency methodologies against weather-based disruptions. , 2016, , .		17
185	Resilient cloud network mapping with virtualized BBU placement for cloud-RAN. , 2016, , .		13
186	Backup reprovisioning with partial protection for disaster-survivable software-defined optical networks. Photonic Network Communications, 2016, 31, 186-195.	2.7	14
187	Differential delay constrained multipath routing for SDN and optical networks. Electronic Notes in Discrete Mathematics, 2016, 52, 277-284.	0.4	9
188	Survivable virtual network mapping to provide content connectivity against double-link failures. , 2016, , .		15
189	Progressive datacenter recovery over optical core networks after a large-scale disaster. , 2016, , .		3
190	Energy-Efficient Virtual Base Station Formation in Optical-Access-Enabled Cloud-RAN. IEEE Journal on Selected Areas in Communications, 2016, 34, 1130-1139.	14.0	85
191	Optimal BBU Placement for 5G C-RAN Deployment Over WDM Aggregation Networks. Journal of Lightwave Technology, 2016, 34, 1963-1970.	4.6	119
192	A Survey on Resiliency Techniques in Cloud Computing Infrastructures and Applications. IEEE Communications Surveys and Tutorials, 2016, 18, 2244-2281.	39.4	110
193	Dynamic bandwidth and wavelength allocation with coexisting transceiver technology in WDM/TDM PONs. Optical Switching and Networking, 2016, 21, 31-42.	2.0	10
194	Demand-Aware Network Function Placement. Journal of Lightwave Technology, 2016, 34, 2590-2600.	4.6	73
195	Optical Spatial Division Multiplexing for Ultra-High-Capacity Modular Data Centers. , 2016, , .		5
196	On the Benefits of Few-Mode Transmission in Ring Metro Optical Networks with Flexible Grid. , 2016, , .		6
197	Experimental Demonstration of VM Designation in Hybrid Cloud-Fog Computing with Software-Defined Optical Networking. , 2016, , .		1
198	Risk-Aware Rapid Data Evacuation for Large-Scale Disasters in Optical Cloud Networks. , 2016, , .		1

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199	Cost-efficient live VM migration based on varying electricity cost in optical cloud networks. Photonic Network Communications, 2015, 30, 376-386.	2.7	12
200	Optimal Network Function Virtualization Realizing End-to-End Requests. , 2015, , .		20
201	Application-aware software-defined EPON access network. Photonic Network Communications, 2015, 30, 324-336.	2.7	6
202	Cloud-Network Disaster Recovery against Cascading Failures. , 2015, , .		1
203	On service chaining using Virtual Network Functions in Network-enabled Cloud systems. , 2015, , .		17
204	Disaster-resilient control plane design and mapping in software-defined networks. , 2015, , .		24
205	Energy efficiency in reliable optical core networks. , 2015, , .		4
206	Energy-efficient caching for Video-on-Demand in Fixed-Mobile Convergent networks. , 2015, , .		10
207	Rapid Data Evacuation for Large-Scale Disasters in Optical Cloud Networks [Invited]. Journal of Optical Communications and Networking, 2015, 7, B163.	4.8	33
208	BBU placement over a WDM aggregation network considering OTN and overlay fronthaul transport. , 2015, , .		15
209	Impact of processing costs on service chain placement in network functions virtualization. , 2015, , .		65
210	Progressive network recovery in optical core networks. , 2015, , .		19
211	Cost models for BaseBand Unit (BBU) hotelling: From local to cloud. , 2015, , .		13
212	Routing and spectrum assignment in metro optical ring networks with distance-adaptive transceivers. , 2015, , .		2
213	Exploiting Excess Capacity, Part II: Differentiated Services Under Traffic Growth. IEEE/ACM Transactions on Networking, 2015, 23, 1599-1609.	3.8	3
214	Optimization of long-reach TDM/WDM passive optical networks. Optical Switching and Networking, 2015, 16, 36-45.	2.0	23
215	Migration from fixed grid to flexible grid in optical networks. , 2015, 53, 34-43.		48
216	Disaster-Aware Datacenter Placement and Dynamic Content Management in Cloud Networks. Journal of Optical Communications and Networking, 2015, 7, 681.	4.8	65

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