

# Massimo Tornatore

## List of PR Articles by Year in descending order

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212

PR articles

4,624

PR citations

105543

32

PR h-index

82633

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405

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9399

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59108

42

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5307

citing authors

#	ARTICLE	IF	PR CITATIONS
1	DeepLS: Local Search for Network Optimization Based on Lightweight Deep Reinforcement Learning. IEEE Transactions on Network and Service Management, 2024, 21, 108-119.	4.2	7
2	Routing, Channel, Key-Rate, and Time-Slot Assignment for QKD in Optical Networks. IEEE Transactions on Network and Service Management, 2024, 21, 148-160.	4.2	34
3	Resilience enhancement in open networkâ€œcloud ecosystems through disaggregation and cooperation [Invited]. Journal of Optical Communications and Networking, 2024, 16, A105.	3.0	6
4	Digital-twin-assisted meta learning for soft-failure localization in ROADM-based optical networks. Journal of Optical Communications and Networking, 2024, 16, C11.	3.0	18
5	Scheme of carrier cooperation with coordinated scheduling for faster and lower-cost failure/disaster recovery. Journal of Optical Communications and Networking, 2024, 16, B45.	3.0	3
6	MEC-Enabled Edge Network Deployment With Converged Fiber and Millimeter-Wave Communications. IEEE Transactions on Communications, 2024, 72, 6520-6537.	6.2	3
7	Digital Twin of Optical Networks: A Review of Recent Advances and Future Trends. Journal of Lightwave Technology, 2024, 42, 4233-4259.	3.5	62
8	Machine Learning for Failure Management in Microwave Networks: A Data-Centric Approach. IEEE Transactions on Network and Service Management, 2024, 21, 5420-5431.	4.2	3
9	DRL-based progressive recovery for quantum-key-distribution networks. Journal of Optical Communications and Networking, 2024, 16, E36.	3.0	5
10	Zero-cost upgrade to a multi-fiber network with partial lane-change capabilities. Journal of Optical Communications and Networking, 2024, 16, H18.	3.0	3
11	Guest Editorsâ€™ Introduction: Special Issue on Robust and Resilient Future Communication Networks. IEEE Transactions on Network and Service Management, 2024, 21, 4929-4935.	4.2	1
12	Infrastructure-efficient Virtual-Machine Placement and Workload Assignment in Cooperative Edge-Cloud Computing Over Backhaul Networks. IEEE Transactions on Cloud Computing, 2023, 11, 653-665.	4.1	25
13	Maximizing Revenue With Adaptive Modulation and Multiple FECs in Flexible Optical Networks. IEEE/ACM Transactions on Networking, 2023, 31, 220-233.	2.9	3
14	Towards explainable artificial intelligence in optical networks: the use case of lightpath QoT estimation. Journal of Optical Communications and Networking, 2023, 15, A26.	3.0	44
15	Dual-Stage Planning for Elastic Optical Networks Integrating Machine-Learning-Assisted QoT Estimation. IEEE/ACM Transactions on Networking, 2023, 31, 1293-1307.	2.9	8
16	Reliable Provisioning With Degraded Service Using Multipath Routing From Multiple Data Centers in Optical Metro Networks. IEEE Transactions on Network and Service Management, 2023, 20, 3334-3347.	4.2	5
17	DRL-Assisted Reoptimization of Network Slice Embedding on EON-Enabled Transport Networks. IEEE Transactions on Network and Service Management, 2023, 20, 800-814.	4.2	8
18	Introduction to the ONDM 2022 special issue. Journal of Optical Communications and Networking, 2023, 15, ONDM1.	3.0	0

#	ARTICLE	IF	PR CITATIONS
19	Experimental impact of power re-optimization in a mesh network. Journal of Optical Communications and Networking, 2023, 15, C20.	3.0	15
20	Probabilistic low-margin optical-network design with multiple physical-layer parameter uncertainties. Journal of Optical Communications and Networking, 2023, 15, C129.	3.0	15
21	Selective hybrid EDFA/Raman amplifier placement to mitigate lightpath degradation in (Câ€™+â€™L) networks. Journal of Optical Communications and Networking, 2023, 15, C232.	3.0	9
22	Minimizing the cost of hierarchical optical transport network traffic grooming boards in metro networks. Journal of Optical Communications and Networking, 2023, 15, E18.	3.0	6
23	Resource-efficient protection scheme for optical service units in fifth-generation fixed networks. Journal of Optical Communications and Networking, 2023, 15, 466.	3.0	11
24	Real-Time 59.2 Tb/s Unrepeated Transmission Over 201.6 km Using Ultra-Wideband SOA as High-Power Booster. Journal of Lightwave Technology, 2023, 41, 3925-3931.	3.5	18
25	Guest Editorsâ€™ Introduction: Special Section on Robust and Reliable Networks of the Future. IEEE Transactions on Network and Service Management, 2023, 20, 2151-2156.	4.2	0
26	Survivable Virtual Network Mapping With Fiber Tree Establishment in Filterless Optical Networks. IEEE Transactions on Network and Service Management, 2022, 19, 37-48.	4.2	13
27	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.	3.0	26
28	Tutorial on filterless optical networks [Invited]. Journal of Optical Communications and Networking, 2022, 14, 1.	3.0	33
29	Progressive Slice Recovery With Guaranteed Slice Connectivity After Massive Failures. IEEE/ACM Transactions on Networking, 2022, 30, 826-839.	2.9	17
30	Coflow scheduling and placement for packet-switched optical datacenter networks. Photonic Network Communications, 2022, 43, 156-164.	1.5	1
31	Multilayer protection-at-lightpath for reliable slicing with isolation in optical metro-aggregation networks. Journal of Optical Communications and Networking, 2022, 14, 289.	3.0	17
32	On Deep Reinforcement Learning for Static Routing and Wavelength Assignment. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-12.	2.8	36
33	Flexible Technologies to Increase Optical Network Capacity. Proceedings of the IEEE, 2022, 110, 1714-1724.	9.6	26
34	Guest Editors Introduction: Special Section on Recent Advances in the Design and Management of Reliable Communication Networks. IEEE Transactions on Network and Service Management, 2022, 19, 2434-2439.	4.2	0
35	Dynamic Decomposition of Service Function Chain Using a Deep Reinforcement Learning Approach. IEEE Access, 2022, 10, 111254-111271.	3.1	7
36	Impact of Processing-Resource Sharing on the Placement of Chained Virtual Network Functions. IEEE Transactions on Cloud Computing, 2021, 9, 1479-1492.	4.1	43

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37	Energy-Efficient vBBU Migration and Wavelength Reassignment in Cloud-Fog RAN. IEEE Transactions on Green Communications and Networking, 2021, 5, 18-28.	5.4	10
38	Intelligent Reflecting Surface Assisted Anti-Jamming Communications: A Fast Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2021, 20, 1963-1974.	8.4	200
39	Machine learning regression for QoT estimation of unestablished lightpaths. Journal of Optical Communications and Networking, 2021, 13, B92.	3.0	59
40	QoT-Aware Optical Amplifier Placement in Filterless Metro Networks. IEEE Communications Letters, 2021, 25, 931-935.	3.5	27
41	Supervised and Semi-Supervised Learning for Failure Identification in Microwave Networks. IEEE Transactions on Network and Service Management, 2021, 18, 1934-1945.	4.2	18
42	C+L-band upgrade strategies to sustain traffic growth in optical backbone networks. Journal of Optical Communications and Networking, 2021, 13, 193.	3.0	43
43	Online Virtual Machine Evacuation for Disaster Resilience in Inter-Data Center Networks. IEEE Transactions on Network and Service Management, 2021, 18, 1990-2001.	4.2	14
44	A novel bandwidth allocation scheme for OTSS-enabled flex-grid intra-datacenter networks. Photonic Network Communications, 2021, 42, 93-104.	1.5	0
45	Guest Editorial Latest Advances in Optical Networks for 5G Communications and Beyond. IEEE Journal on Selected Areas in Communications, 2021, 39, 2667-2671.	11.1	3
46	Guest Editorsâ€™ Introduction: Special Section on Design and Management of Reliable Communication Networks. IEEE Transactions on Network and Service Management, 2021, 18, 2455-2459.	4.2	2
47	Disaster resilience of optical networks: State of the art, challenges, and opportunities. Optical Switching and Networking, 2021, 42, 100619.	2.1	63
48	Dynamic secret-key provisioning in quantum-secured passive optical networks (PONs). Optics Express, 2021, 29, 1578.	3.0	13
49	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.	3.0	39
50	27 Machine Learning Algorithms Based on Haplotype Libraries for Classification of Stillbirth Susceptibility in Holstein Cows. Journal of Animal Science, 2021, 99, 15-16.	0.8	2
51	Machine-Learning-Enabled DDoS Attacks Detection in P4 Programmable Networks. Journal of Network and Systems Management, 2021, 30, .	2.6	104
52	Latency- and capacity-aware placement of chained Virtual Network Functions in FMC metro networks. Optical Switching and Networking, 2020, 35, 100536.	2.1	13
53	Reducing probes for quality of transmission estimation in optical networks with active learning. Journal of Optical Communications and Networking, 2020, 12, A38.	3.0	38
54	Joint Optimization of Survivability and Energy Efficiency in 5G C-RAN With mm-Wave Based RRH. IEEE Access, 2020, 8, 100159-100171.	3.1	6

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55	Virtualized controller placement for multi-domain optical transport networks using machine learning. <i>Photonic Network Communications</i> , 2020, 40, 126-136.	1.5	10
56	Survivable virtual network mapping with content connectivity against multiple link failures in optical metro networks. <i>Journal of Optical Communications and Networking</i> , 2020, 12, 301.	3.0	23
57	A Privacy-Preserving Reinforcement Learning Algorithm for Multi-Domain Virtual Network Embedding. <i>IEEE Transactions on Network and Service Management</i> , 2020, 17, 2291-2304.	4.2	22
58	On Dynamic Service Chaining in Filterless Optical Metro-Aggregation Networks. <i>IEEE Access</i> , 2020, 8, 222233-222241.	3.1	11
59	Optimal Cache Deployment for Video-On-Demand in Optical Metro Edge Nodes under Limited Storage Capacity. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1984.	2.2	0
60	Cost-Efficient VNF Placement and Scheduling in Public Cloud Networks. <i>IEEE Transactions on Communications</i> , 2020, 68, 4946-4959.	6.2	74
61	Reliable Slicing of 5G Transport Networks With Bandwidth Squeezing and Multi-Path Provisioning. <i>IEEE Transactions on Network and Service Management</i> , 2020, 17, 1418-1431.	4.2	47
62	Dynamic routing, spectrum, and modulation-format allocation in mixed-grid optical networks. <i>Journal of Optical Communications and Networking</i> , 2020, 12, 79.	3.0	51
63	Emergency OPM Recreation and Telemetry for Disaster Recovery in Optical Networks. <i>Journal of Lightwave Technology</i> , 2020, 38, 2656-2668.	3.5	9
64	Isolation-Aware 5G RAN Slice Mapping Over WDM Metro-Aggregation Networks. <i>Journal of Lightwave Technology</i> , 2020, 38, 1125-1137.	3.5	55
65	Minimum-Cost Optical Amplifier Placement in Metro Networks. <i>Journal of Lightwave Technology</i> , 2020, 38, 3221-3228.	3.5	19
66	Latency and energy-aware provisioning of network slices in cloud networks. <i>Computer Communications</i> , 2020, 157, 1-19.	3.8	23
67	Joint Progressive Network and Datacenter Recovery After Large-Scale Disasters. <i>IEEE Transactions on Network and Service Management</i> , 2020, 17, 1501-1514.	4.2	33
68	Fragmentation metrics and fragmentation-aware algorithm for spectrally/spatially flexible optical networks. <i>Journal of Optical Communications and Networking</i> , 2020, 12, 133.	3.0	52
69	Measurement and control of geo-location privacy on Twitter. <i>Online Social Networks and Media</i> , 2020, 17, 100078.	2.2	5
70	Auto-Scaling Network Service Chains Using Machine Learning and Negotiation Game. <i>IEEE Transactions on Network and Service Management</i> , 2020, 17, 1322-1336.	4.2	23
71	Reprovisioning for latency-aware dynamic service chaining in metro networks. <i>Journal of Optical Communications and Networking</i> , 2020, 12, 355.	3.0	4
72	Dynamic 5G RAN slice adjustment and migration based on traffic prediction in WDM metro-aggregation networks. <i>Journal of Optical Communications and Networking</i> , 2020, 12, 403.	3.0	16

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73	Provisioning Short-Term Traffic Fluctuations in Elastic Optical Networks. IEEE/ACM Transactions on Networking, 2019, 27, 1460-1473.	2.9	17
74	A Tutorial on Machine Learning for Failure Management in Optical Networks. Journal of Lightwave Technology, 2019, 37, 4125-4139.	3.5	130
75	Edge Computing and Networking: A Survey on Infrastructures and Applications. IEEE Access, 2019, 7, 101213-101230.	3.1	83
76	Low-Latency and Energy-Efficient BBU Placement and VPON Formation in Virtualized Cloud-Fog RAN. Journal of Optical Communications and Networking, 2019, 11, B37.	3.0	29
77	Latency-Aware CU Placement/Handover in Dynamic WDM Access-Aggregation Networks. Journal of Optical Communications and Networking, 2019, 11, B71.	3.0	20
78	Transceivers and Spectrum Usage Minimization in Few-Mode Optical Networks. Journal of Lightwave Technology, 2019, 37, 4030-4040.	3.5	4
79	Energy-Efficient Video-On-Demand Content Caching and Distribution in Metro Area Networks. IEEE Transactions on Green Communications and Networking, 2019, 3, 159-169.	5.4	23
80	A Privacy-Preserving Protocol for Network-Neutral Caching in ISP Networks. IEEE Access, 2019, 7, 160227-160240.	3.1	9
81	An Overview on Application of Machine Learning Techniques in Optical Networks. IEEE Communications Surveys and Tutorials, 2019, 21, 1383-1408.	35.0	514
82	Crosstalk-Aware Core and Spectrum Assignment in a Multicore Optical Link With Flexible Grid. IEEE Transactions on Communications, 2019, 67, 2144-2156.	6.2	34
83	Resilient BBU placement in 5G C-RAN over optical aggregation networks. Photonic Network Communications, 2019, 37, 388-398.	1.5	15
84	Data evacuation from data centers in disaster-affected regions through software-defined satellite networks. Computer Networks, 2019, 148, 88-100.	3.8	17
85	Bandwidth Provisioning for Virtual Machine Migration in Cloud: Strategy and Application. IEEE Transactions on Cloud Computing, 2018, 6, 967-976.	4.1	28
86	Machine-Learning Method for Quality of Transmission Prediction of Unestablished Lightpaths. Journal of Optical Communications and Networking, 2018, 10, A286.	3.0	192
87	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.	11.1	53
88	On service-chaining strategies using Virtual Network Functions in operator networks. Computer Networks, 2018, 133, 1-16.	3.8	49
89	Dynamic Workload Migration Over Backbone Network to Minimize Data Center Electricity Cost. IEEE Transactions on Green Communications and Networking, 2018, 2, 570-579.	5.4	38
90	Running the Network Harder: Connection Provisioning Under Resource Crunch. IEEE Transactions on Network and Service Management, 2018, 15, 1615-1629.	4.2	11

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91	To be Neutral or Not Neutral? The In-Network Caching Dilemma. IEEE Internet Computing, 2018, 22, 18-26.	1.6	5
92	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.	3.0	2
93	RASCAR: Recovery-Aware Switch-Controller Assignment and Routing in SDN. IEEE Transactions on Network and Service Management, 2018, 15, 1222-1234.	4.2	24
94	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.	3.0	0
95	Content Fragmentation: A Redundancy Scheme to Save Energy in Cloud Networks. IEEE Transactions on Green Communications and Networking, 2018, 2, 1186-1196.	5.4	6
96	Network Performance Trade-Off in Modular Data Centers With Optical Spatial Division Multiplexing. Journal of Optical Communications and Networking, 2018, 10, 796.	3.0	1
97	Energy-Efficient Dynamic Lightpath Adjustment in a Decomposed AWGR-Based Passive WDM Fronthaul. Journal of Optical Communications and Networking, 2018, 10, 749.	3.0	18
98	Enhancing RAN Throughput by Optimized CoMP Controller Placement in Optical Metro Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 2561-2569.	11.1	13
99	Multiplexing Gain and Processing Savings of 5G Radio-Access-Network Functional Splits. IEEE Transactions on Green Communications and Networking, 2018, 2, 982-991.	5.4	40
100	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.	1.5	11
101	QoE Enhancement Schemes for Video in Converged OFDMA Wireless Networks and EPONs. Journal of Optical Communications and Networking, 2018, 10, 229.	3.0	9
102	Robust hierarchical control plane for Transport Software-Defined Networks. Optical Switching and Networking, 2018, 30, 10-22.	2.1	13
103	Scheduling with Machine-Learning-Based Flow Detection for Packet-Switched Optical Data Center Networks. Journal of Optical Communications and Networking, 2018, 10, 365.	3.0	40
104	Resource Allocation in Optical Networks Secured by Quantum Key Distribution. IEEE Communications Magazine, 2018, 56, 130-137.	3.1	126
105	Traffic Classification and Sifting to Improve TDM-EPON Fronthaul Upstream Efficiency. Journal of Optical Communications and Networking, 2018, 10, C15.	3.0	9
106	ABNO-driven content distribution in the telecom cloud. Optical Switching and Networking, 2017, 26, 25-38.	2.1	2
107	5G Fronthaul's Latency and Jitter Studies of CPRI Over Ethernet. Journal of Optical Communications and Networking, 2017, 9, 172.	3.0	120
108	Spatial Division Multiplexing for High Capacity Optical Interconnects in Modular Data Centers. Journal of Optical Communications and Networking, 2017, 9, A143.	3.0	31

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109	Introduction to the Special Issue on Optical Network Design and Modeling. Journal of Optical Communications and Networking, 2017, 9, ODM1.	3.0	1
110	Dynamic Bandwidth and Wavelength Allocation Scheme for Next-Generation Wavelength-Agile EPON. Journal of Optical Communications and Networking, 2017, 9, B33.	3.0	52
111	Efficient Routing and Bandwidth Assignment for Inter-Data-Center Live Virtual-Machine Migrations. Journal of Optical Communications and Networking, 2017, 9, B12.	3.0	13
112	Green Data Center Placement in Optical Cloud Networks. IEEE Transactions on Green Communications and Networking, 2017, 1, 347-357.	5.4	44
113	Protection strategies for virtual network functions placement and service chains provisioning. Networks, 2017, 70, 373-387.	1.5	41
114	Virtualized Cloud Radio Access Network for 5G Transport. , 2017, 55, 202-209.		53
115	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.	3.5	51
116	Game-Assisted Distributed Decision Making to Build Virtual TDM-PONs in C-RANs Adaptively. Journal of Optical Communications and Networking, 2017, 9, 546.	3.0	13
117	Power reduction strategies with differentiated quality of protection in IP-over-WDM networks. Annales Des Telecommunications/Annals of Telecommunications, 2017, 73, 81-94.	1.6	4
118	Handover Reduction in Virtualized Cloud Radio Access Networks Using TWDM-PON Fronthaul. Journal of Optical Communications and Networking, 2016, 8, B124.	3.0	32
119	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.	3.0	31
120	Survivable Multipath Routing of Anycast and Unicast Traffic in Elastic Optical Networks. Journal of Optical Communications and Networking, 2016, 8, 343.	3.0	33
121	Fairness-Aware Degradation Based Multipath Re-provisioning Strategy for Post-Disaster Telecom Mesh Networks. Journal of Optical Communications and Networking, 2016, 8, 441.	3.0	9
122	Differential delay constrained multipath routing for SDN and optical networks. Electronic Notes in Discrete Mathematics, 2016, 52, 277-284.	0.0	11
123	Energy-Efficient Virtual Base Station Formation in Optical-Access-Enabled Cloud-RAN. IEEE Journal on Selected Areas in Communications, 2016, 34, 1130-1139.	11.1	89
124	Optimal BBU Placement for 5G C-RAN Deployment Over WDM Aggregation Networks. Journal of Lightwave Technology, 2016, 34, 1963-1970.	3.5	131
125	A Survey on Resiliency Techniques in Cloud Computing Infrastructures and Applications. IEEE Communications Surveys and Tutorials, 2016, 18, 2244-2281.	35.0	134
126	Dynamic bandwidth and wavelength allocation with coexisting transceiver technology in WDM/TDM PONs. Optical Switching and Networking, 2016, 21, 31-42.	2.1	11

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127	Demand-Aware Network Function Placement. Journal of Lightwave Technology, 2016, 34, 2590-2600.	3.5	77
128	Cost-efficient live VM migration based on varying electricity cost in optical cloud networks. Photonic Network Communications, 2015, 30, 376-386.	1.5	14
129	Application-aware software-defined EPON access network. Photonic Network Communications, 2015, 30, 324-336.	1.5	6
130	Rapid Data Evacuation for Large-Scale Disasters in Optical Cloud Networks [Invited]. Journal of Optical Communications and Networking, 2015, 7, B163.	3.0	35
131	Exploiting Excess Capacity, Part II: Differentiated Services Under Traffic Growth. IEEE/ACM Transactions on Networking, 2015, 23, 1599-1609.	2.9	6
132	Optimization of long-reach TDM/WDM passive optical networks. Optical Switching and Networking, 2015, 16, 36-45.	2.1	23
133	Migration from fixed grid to flexible grid in optical networks. , 2015, 53, 34-43.		54
134	Disaster-Aware Datacenter Placement and Dynamic Content Management in Cloud Networks. Journal of Optical Communications and Networking, 2015, 7, 681.	3.0	70
135	Global Versus Essential Post-Disaster Re-Provisioning in Telecom Mesh Networks. Journal of Optical Communications and Networking, 2015, 7, 392.	3.0	17
136	Analysis of Performance Degradation in Sleep-Mode Enabled Core Optical Networks [Invited]. Journal of Optical Communications and Networking, 2015, 7, A537.	3.0	6
137	On the Complexity of Routing and Spectrum Assignment in Flexible-Grid Ring Networks [Invited]. Journal of Optical Communications and Networking, 2015, 7, A256.	3.0	30
138	Performance evaluation of video server replication in metro/access networks. Computer Networks, 2015, 93, 96-110.	3.8	1
139	Flexible Availability-Aware Differentiated Protection in Software-Defined Elastic Optical Networks. Journal of Lightwave Technology, 2015, 33, 3872-3882.	3.5	71
140	Impairment-aware dynamic lightpath provisioning in mixed-line-rate networks. Optical Switching and Networking, 2015, 18, 191-200.	2.1	7
141	Backup reprovisioning with partial protection for disaster-survivable software-defined optical networks. Photonic Network Communications, 2015, 31, 186-195.	1.5	14
142	Network adaptability to disaster disruptions by exploiting degraded-service tolerance. , 2014, 52, 58-65.		43
143	A Blocking Analysis for Green WDM Networks With Transponder Power Management. Journal of Lightwave Technology, 2014, 32, 4261-4271.	3.5	1
144	Disaster-aware service provisioning with manycasting in cloud networks. Photonic Network Communications, 2014, 28, 123-134.	1.5	21

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145	Protection in optical transport networks with fixed and flexible grid: Cost and energy efficiency evaluation. <i>Optical Switching and Networking</i> , 2014, 11, 55-71.	2.1	36
146	Low-Emissions Routing for Cloud Computing in IP-over-WDM Networks with Data Centers. <i>IEEE Journal on Selected Areas in Communications</i> , 2014, 32, 28-38.	11.1	25
147	Provisioning of dynamic traffic in mixed-line-rate optical networks with launch power determination. <i>Photonic Network Communications</i> , 2014, 27, 154-166.	1.5	4
148	Cloud-Integrated WOBAN: An offloading-enabled architecture for service-oriented access networks. <i>Computer Networks</i> , 2014, 68, 5-19.	3.8	18
149	Exploiting Excess Capacity for Survivable Traffic Grooming in Optical Backbone Networks. <i>Journal of Optical Communications and Networking</i> , 2014, 6, 127.	3.0	13
150	Evolving Traffic Grooming in Multi-Layer Flexible-Grid Optical Networks With Software-Defined Elasticity. <i>Journal of Lightwave Technology</i> , 2014, 32, 2905-2914.	3.5	38
151	Energy-Efficient Baseband Unit Placement in a Fixed/Mobile Converged WDM Aggregation Network. <i>IEEE Journal on Selected Areas in Communications</i> , 2014, 32, 1542-1551.	11.1	49
152	Disaster-survivable cloud-network mapping. <i>Photonic Network Communications</i> , 2014, 27, 141-153.	1.5	24
153	Minimizing the Risk From Disaster Failures in Optical Backbone Networks. <i>Journal of Lightwave Technology</i> , 2014, 32, 3175-3183.	3.5	135
154	Degraded Service Provisioning in Mixed-Line-Rate WDM Backbone Networks Using Multipath Routing. <i>IEEE/ACM Transactions on Networking</i> , 2014, 22, 840-849.	2.9	22
155	Optical ring metro networks with flexible Grid and distance-adaptive optical coherent transceivers. <i>Bell Labs Technical Journal</i> , 2013, 18, 95-110.	0.0	39
156	On the effect of channel spacing, launch power, and regenerator placement on the design of mixed-line-rate optical networks. <i>Optical Switching and Networking</i> , 2013, 10, 301-311.	2.1	11
157	Vertical and horizontal circuit/packet integration techniques for the future optical internet. <i>IEEE Network</i> , 2013, 27, 52-58.	3.6	8
158	Reach-Related Energy Consumption in IP-Over-WDM 100G Translucent Networks. <i>Journal of Lightwave Technology</i> , 2013, 31, 1828-1834.	3.5	13
159	Survivable Traffic Grooming in Elastic Optical Networksâ€™ Shared Protection. <i>Journal of Lightwave Technology</i> , 2013, 31, 903-909.	3.5	135
160	Disaster survivability in optical communication networks. <i>Computer Communications</i> , 2013, 36, 630-644.	3.8	147
161	A Multi-Threaded Dynamic Bandwidth and Wavelength Allocation Scheme With Void Filling for Long Reach WDM/TDM PONs. <i>Journal of Lightwave Technology</i> , 2013, 31, 1149-1157.	3.5	43
162	Greening the cloud using renewable-energy-aware service migration. <i>IEEE Network</i> , 2013, 27, 36-43.	3.6	66

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163	Efficient Shared Subconnection Protection in Mixed-Line-Rate Optical WDM Networks. Journal of Optical Communications and Networking, 2013, 5, 1227.	3.0	6
164	Routing, Modulation Level, and Spectrum Assignment in Optical Metro Ring Networks Using Elastic Transceivers. Journal of Optical Communications and Networking, 2013, 5, 305.	3.0	40
165	Optimization Scheme for WDM-Based Transmission Technology Selection in Future Passive Optical Networks. Journal of Optical Communications and Networking, 2013, 5, 1010.	3.0	7
166	Comments on 'Availability Formulations for Segment Protection'. IEEE Transactions on Communications, 2013, 61, 2591-2591.	6.2	0
167	Traffic Grooming and Spectrum Assignment for Coherent Transceivers in Metro-Flexible Networks. IEEE Photonics Technology Letters, 2013, 25, 183-186.	1.8	10
168	Adaptive time- and location-aware routing in telecom mesh networks. IET Networks, 2013, 2, 19-29.	1.8	1
169	Energy-efficiency of protected IP-over-WDM networks with sleep-mode devices. Journal of High Speed Networks, 2013, 19, 19-32.	0.8	22
170	Energy-efficiency of all-optical transport through time-driven switching. IET Optoelectronics, 2012, 6, 173.	1.3	4
171	Energy-Efficient and Cost-Efficient Capacity Upgrade in Mixed-Line-Rate Optical Networks. Journal of Optical Communications and Networking, 2012, 4, 1018.	3.0	22
172	Impairment-Aware Design of Translucent DWDM Networks Based on the k-Path Connectivity Graph. Journal of Optical Communications and Networking, 2012, 4, 356.	3.0	6
173	Exploiting Excess Capacity to Improve Robustness of WDM Mesh Networks. IEEE/ACM Transactions on Networking, 2012, 20, 114-124.	2.9	19
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