

Zhiqun Gu

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,273
citations

623734

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477307

29
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all docs

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docs citations

33
times ranked

1553
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental demonstration of all-optical aggregation and de-aggregation for a QPSK signal in an elastic optical network. <i>Optics Express</i> , 2022, 30, 6456.	3.4	9
2	2D-to-1D constellation reforming using phase-sensitive amplifier-based constellation squeezing and shifting. <i>Optics Express</i> , 2021, 29, 3724.	3.4	13
3	All-optical simultaneous amplitude and phase regeneration for MPSK signal with ASE noise based on two-wave PSA. <i>Optics Communications</i> , 2021, 499, 127281.	2.1	1
4	Topology Optimizing in FSO-based UAVs Relay Networks for Resilience Enhancement. <i>Mobile Networks and Applications</i> , 2020, 25, 350-362.	3.3	8
5	Optimizing Networked Flying Platform Deployment and Access Point Association in FSO-Based Fronthaul Networks. <i>IEEE Wireless Communications Letters</i> , 2020, 9, 1221-1225.	5.0	12
6	Tunable all-optical format conversion for BPSK to OOK based on highly nonlinear optical loop mirror. <i>Optics Communications</i> , 2020, 473, 125907.	2.1	4
7	Joint Optimization of Latency and Deployment Cost Over TDM-PON Based MEC-Enabled Cloud Radio Access Networks. <i>IEEE Access</i> , 2020, 8, 681-696.	4.2	21
8	Artificial intelligence-driven autonomous optical networks: 3S architecture and key technologies. <i>Science China Information Sciences</i> , 2020, 63, 1.	4.3	36
9	Can Fine-Grained Functional Split Benefit to the Converged Optical-Wireless Access Networks in 5G and Beyond?. <i>IEEE Transactions on Network and Service Management</i> , 2020, 17, 1774-1787.	4.9	26
10	Phase-sensitive amplifier-based optical conversion for direct detection of complex modulation format to bridge long-haul transmissions and short-reach interconnects. <i>Optics Express</i> , 2020, 28, 2349.	3.4	21
11	Low-Latency Oriented Network Planning for MEC-Enabled WDM-PON Based Fiber-Wireless Access Networks. <i>IEEE Access</i> , 2019, 7, 183383-183395.	4.2	22
12	Proactive Grooming With Delay Optimization in Sliceable Elastic Optical Network. <i>IEEE Access</i> , 2019, 7, 105030-105040.	4.2	2
13	A Quantum Access Network Suitable for Internetworking Optical Network Units. <i>IEEE Access</i> , 2019, 7, 92091-92099.	4.2	5
14	QPSK Signal Regeneration Based on Vector Phase Sensitive Amplification With Low Pump Powers. <i>IEEE Access</i> , 2019, 7, 63936-63943.	4.2	11
15	Design of All-Optical Modulation Format Converter From One 8PSK to Two QPSK Signals Based on Phase Sensitive Amplification in Elastic Optical Network. <i>IEEE Access</i> , 2019, 7, 51379-51385.	4.2	8
16	A Power and Spectrum Efficient NOMA Scheme for VLC Network Based on Hierarchical Pre-Distorted LACO-OFDM. <i>IEEE Access</i> , 2019, 7, 48565-48571.	4.2	24
17	SDN-Based End-to-End Fragment-Aware Routing for Elastic Data Flows in LEO Satellite-Terrestrial Network. <i>IEEE Access</i> , 2019, 7, 396-410.	4.2	34
18	On-Chip Optical Vector Quadrature De-Multiplexer Proposal for QAM De-Aggregation by Single Bi-Directional SOA-Based Phase-Sensitive Amplifier. <i>IEEE Access</i> , 2019, 7, 763-772.	4.2	8

#	ARTICLE	IF	CITATIONS
19	5G flexible optical transport networks with large-capacity, low-latency and high-efficiency. China Communications, 2019, 16, 19-32.	3.2	54
20	Simultaneous all-optical channel aggregation and de-aggregation based on nonlinear effects for OOK and MPSK formats in elastic optical networking. Optics Express, 2019, 27, 30158.	3.4	13
21	All-Optical Multi-Level Phase Quantization Based on Phase-Sensitive Amplification With Low-Order Harmonics. Journal of Lightwave Technology, 2018, 36, 5833-5840.	4.6	7
22	Resilience Aware Topology Formation in FSO-based Fronthaul/Backhaul Networks. , 2018, , .		0
23	Efficient Aerial Relays Deployment in FSO-based Backhaul Networks. , 2018, , .		0
24	Adaptability Analysis for IP Switching and Optical Switching in Geographically Distributed Inter-Datcenter Networks. IEEE Access, 2018, 6, 56851-56861.	4.2	1
25	Towards converged, collaborative and co-automatic (3C) optical networks. Science China Information Sciences, 2018, 61, 1.	4.3	63
26	Network Topology Reconfiguration for FSO-Based Fronthaul/Backhaul in 5G+ Wireless Networks. IEEE Access, 2018, 6, 69426-69437.	4.2	40
27	Topology Optimization for FSO-Based Fronthaul/Backhaul in 5G+ Wireless Networks. , 2018, , .		8
28	Solution for error propagation in a NOMA-based VLC network: symmetric superposition coding. Optics Express, 2017, 25, 29856.	3.4	36
29	Ring-like reliable PON planning with physical constraints for a smart grid. Optical Fiber Technology, 2016, 27, 24-34.	2.7	7
30	Dynamic Traffic Grooming in Sliceable Bandwidth-Variable Transponder-Enabled Elastic Optical Networks. Journal of Lightwave Technology, 2015, 33, 183-191.	4.6	82
31	Baseband unit cloud interconnection enabled by flexible grid optical networks with software defined elasticity. IEEE Communications Magazine, 2015, 53, 90-98.	6.1	651
32	Performance evaluation of multi-stratum resources integrated resilience for software defined inter-data center interconnect. Optics Express, 2015, 23, 13384.	3.4	46