

Takehiro Tsuritani

List of Publications by Year in descending order

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76
papers

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218677

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	SNR Enhancement of up to 9.5 Db Utilizing Four-Wave Mixing for Angle-Modulated Analog Optical Links. <i>Journal of Lightwave Technology</i> , 2022, 40, 1464-1471.	4.6	9
2	Long-Haul Coupled 4-Core Fiber Transmission Over 7,200 Km With Real-Time MIMO DSP. <i>Journal of Lightwave Technology</i> , 2022, 40, 1640-1649.	4.6	12
3	Scalability analysis of machine learning QoT estimators for a cloud-native SDN controller on a WDM over SDM network. <i>Journal of Optical Communications and Networking</i> , 2022, 14, 257.	4.8	5
4	Trans-Pacific class transmission over a standard cladding ultralow-loss 4-core fiber. <i>Optics Express</i> , 2022, 30, 9482.	3.4	15
5	Optical parametric wideband frequency modulation. <i>APL Photonics</i> , 2022, 7, .	5.7	8
6	50.47-Tbit/s Standard Cladding Coupled 4-Core Fiber Transmission Over 9,150 km. <i>Journal of Lightwave Technology</i> , 2021, 39, 7099-7105.	4.6	13
7	Photonic Armstrong method enabled by direct detection for wideband electrical PM generation. <i>Optics Express</i> , 2021, 29, 4721.	3.4	4
8	Experimental evaluation of control and monitoring protocols for optical SDN networks and equipment [Invited Tutorial]. <i>Journal of Optical Communications and Networking</i> , 2021, 13, D1.	4.8	14
9	Spatial-light-modulator-based optical-fiber joint switch for few-mode multicore fibers. <i>Optics Express</i> , 2021, 29, 39096.	3.4	3
10	Enabling Technology for 9.5-dB SNR Enhancement Utilizing Four-Wave Mixing Between a Conjugate Pair of Angle Modulation for Analog Radio-over-Fiber Links. , 2021, , .		4
11	Optical Fibre Capacity Optimisation via Continuous Bandwidth Amplification and Geometric Shaping. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 1021-1024.	2.5	85
12	A novel carrier-cooperation scheme with an incentive to offer emergency lightpath support during disaster recovery. <i>Photonic Network Communications</i> , 2020, 40, 175-193.	2.7	2
13	402.7-Tb/s MDM-WDM Transmission Over Weakly Coupled 10-Mode Fiber Using Rate-Adaptive PS-16QAM Signals. <i>Journal of Lightwave Technology</i> , 2020, 38, 2835-2841.	4.6	37
14	Weakly coupled 10-mode-division multiplexed transmission over 48-km few-mode fibers with real-time coherent MIMO receivers. <i>Optics Express</i> , 2020, 28, 19655.	3.4	26
15	Experimental Verification on Digital Back Propagation Gain in MCF transmission over 6020-km Uncoupled and Coupled 4-Core Fibres. , 2020, , .		4
16	Performance Comparison for Standard Cladding Ultra-Low-Loss Uncoupled and Coupled 4-Core Fibre Transmission over 15,000 km. , 2020, , .		6
17	Design of Multicore Fiber Having Upgradability From Standard Single-Mode Fibers and Its Application. <i>Journal of Lightwave Technology</i> , 2019, 37, 396-403.	4.6	38
18	Integration of IoT, Transport SDN, and Edge/Cloud Computing for Dynamic Distribution of IoT Analytics and Efficient Use of Network Resources. <i>Journal of Lightwave Technology</i> , 2018, 36, 1420-1428.	4.6	115

#	ARTICLE	IF	CITATIONS
19	Novel Automatic Service Restoration Technique by Using Self-Reconfiguration of Network Resources for a Disaster-struck Metro-Access Network. <i>Journal of Lightwave Technology</i> , 2018, 36, 1516-1523.	4.6	9
20	257-Tbit/s Weakly Coupled 10-Mode C + L-Band WDM Transmission. <i>Journal of Lightwave Technology</i> , 2018, 36, 1375-1381.	4.6	102
21	Experimental Demonstration of Disaggregated Emergency Optical System for Quick Disaster Recovery. <i>Journal of Lightwave Technology</i> , 2018, 36, 3083-3096.	4.6	11
22	Mode conversion based on dual-phase modulation utilizing interference of two-phase-modulated beams. <i>Optical Review</i> , 2018, 25, 734-742.	2.0	2
23	Reducing the Impact of Nonlinear Distortion in DML-Based OFDM Transmission by Frequency Gap. <i>Journal of Lightwave Technology</i> , 2018, 36, 5617-5625.	4.6	6
24	Effective area measurement of few-mode fiber using far field scan technique with Hankel transform generalized for circularly-asymmetric mode. <i>Optics Express</i> , 2018, 26, 11137.	3.4	7
25	Adaptive DC interconnection provisioning in distributed all-optical micro-datacenters using holistically SDN orchestration for dynamic access. <i>Photonic Network Communications</i> , 2018, 35, 129-140.	2.7	1
26	Control Orchestration Protocol: Unified Transport API for Distributed Cloud and Network Orchestration. <i>Journal of Optical Communications and Networking</i> , 2017, 9, A216.	4.8	17
27	Software-Defined Optical Networks and Network Abstraction With Functional Service Design [Invited]. <i>Journal of Optical Communications and Networking</i> , 2017, 9, C65.	4.8	16
28	Resilient Optical Network Technologies for Catastrophic Disasters [Invited]. <i>Journal of Optical Communications and Networking</i> , 2017, 9, A280.	4.8	8
29	Optimal and dynamic virtual datacenter provisioning over metro-embedded datacenters with holistic SDN orchestration. <i>Optical Switching and Networking</i> , 2017, 24, 1-11.	2.0	15
30	Impact of Metro-Embedded Data Centers on Metropolitan Network Design and Traffic Profile. <i>Journal of Optical Communications and Networking</i> , 2017, 9, 900.	4.8	4
31	10.16 Peta-bit/s Dense SDM/WDM transmission over Low-DMD 6-Mode 19-Core Fibre Across C+L Band. , 2017, , .		85
32	Bit-Error Ratio Performance Improvement Using Iterative Decoding for Polybinary-Shaped Super-Nyquist Wavelength Division Multiplexed Signals. <i>Journal of Lightwave Technology</i> , 2017, 35, 4605-4612.	4.6	4
33	Reference-free holographic diversity interferometry via iterative measurements for high accuracy phase detection. <i>Optics Express</i> , 2016, 24, 24739.	3.4	5
34	Ultra-dense spatial-division-multiplexed optical fiber transmission over 6-mode 19-core fibers. <i>Optics Express</i> , 2016, 24, 10213.	3.4	69
35	User-access-frequency statistics based hotspot adjustment in all-optically interconnected metro-embedded datacenters. <i>Optics Communications</i> , 2016, 381, 437-442.	2.1	6
36	51.1-Tbit/s MCF Transmission Over 2520 km Using Cladding-Pumped Seven-Core EDFAs. <i>Journal of Lightwave Technology</i> , 2016, 34, 761-767.	4.6	28

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37	Dynamic Virtual Network Reconfiguration Over SDN Orchestrated Multitechnology Optical Transport Domains. <i>Journal of Lightwave Technology</i> , 2016, 34, 1933-1938.	4.6	31
38	Polybinary Shaping for Highly-Spectral-Efficient Super-Nyquist WDM QAM Signals. <i>Journal of Lightwave Technology</i> , 2016, 34, 1724-1731.	4.6	21
39	Scalable software-defined optical networking with high-performance routing and wavelength assignment algorithms. <i>Optics Express</i> , 2015, 23, 27354.	3.4	7
40	SDN-Based Network Orchestration of Variable-Capacity Optical Packet Switching Network Over Programmable Flexi-Grid Elastic Optical Path Network. <i>Journal of Lightwave Technology</i> , 2015, 33, 609-617.	4.6	35
41	Ultra-Long-Haul High-Capacity Super-Nyquist-WDM Transmission Experiment Using Multi-Core Fibers. <i>Journal of Lightwave Technology</i> , 2015, 33, 1027-1036.	4.6	28
42	Dynamic Multi-Domain Virtual Optical Network Deployment With Heterogeneous Control Domains [Invited]. <i>Journal of Optical Communications and Networking</i> , 2015, 7, A135.	4.8	10
43	SDN Orchestration of OpenFlow and GMPLS Flexi-Grid Networks With a Stateful Hierarchical PCE [Invited]. <i>Journal of Optical Communications and Networking</i> , 2015, 7, A106.	4.8	31
44	Overarching Control of Flexi Grid Optical Networks: Interworking of GMPLS and OpenFlow Domains. <i>Journal of Lightwave Technology</i> , 2015, 33, 1054-1062.	4.6	11
45	Dynamic OpenFlow-Based Lightpath Restoration in Elastic Optical Networks on the GENI Testbed. <i>Journal of Lightwave Technology</i> , 2015, 33, 1531-1539.	4.6	17
46	Selective mode multiplexer based on phase plates and Mach-Zehnder interferometer with image inversion function. <i>Optics Express</i> , 2015, 23, 183.	3.4	41
47	Transport Network Orchestration for End-to-End Multilayer Provisioning Across Heterogeneous SDN/OpenFlow and GMPLS/PCE Control Domains. <i>Journal of Lightwave Technology</i> , 2015, 33, 1540-1548.	4.6	57
48	Multidomain Network Hypervisor for Abstraction and Control of OpenFlow-Enabled Multitenant Multitechnology Transport Networks [Invited]. <i>Journal of Optical Communications and Networking</i> , 2015, 7, B55.	4.8	13
49	Design and performance evaluation of an OpenFlow-based control plane for software-defined elastic optical networks with direct-detection optical OFDM (DDO-OFDM) transmission. <i>Optics Express</i> , 2014, 22, 30.	3.4	96
50	Performance evaluation of selective mode conversion based on phase plates for a 10-mode fiber. <i>Optics Express</i> , 2014, 22, 20881.	3.4	36
51	Super-Nyquist-WDM transmission over 7,326-km seven-core fiber with capacity-distance product of 103 Exabit/sÅ·km. <i>Optics Express</i> , 2014, 22, 1220.	3.4	197
52	Trans-oceanic class ultra-long-haul transmission using multi-core fiber. <i>Optics Express</i> , 2014, 22, 31761.	3.4	10
53	Photonic Network Vision 2020â€”Toward Smart Photonic Cloud. <i>Journal of Lightwave Technology</i> , 2014, 32, 2760-2770.	4.6	14
54	Transmission of High-Baud PDM-64QAM Signals. <i>Journal of Lightwave Technology</i> , 2013, 31, 2146-2162.	4.6	35

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55	Simple Carrier Recovery Approach for RF-Pilot-Assisted PDM-CO-OFDM Systems. Journal of Lightwave Technology, 2013, 31, 2555-2564.	4.6	24
56	Control and Management of Flexi-grid Optical Networks With an Integrated Stateful Path Computation Element and OpenFlow Controller [Invited]. Journal of Optical Communications and Networking, 2013, 5, A57.	4.8	69
57	OpenSlice: an OpenFlow-based control plane for spectrum sliced elastic optical path networks. Optics Express, 2013, 21, 4194.	3.4	81
58	Demonstration of a Dynamic Transparent Optical Network Employing Flexible Transmitters/Receivers Controlled by an OpenFlow-€ˆStateless PCE Integrated Control Plane [Invited]. Journal of Optical Communications and Networking, 2013, 5, A66.	4.8	28
59	Per-symbol-based digital back-propagation approach for PDM-CO-OFDM transmission systems. Optics Express, 2013, 21, 1547.	3.4	10
60	Experimental demonstration of an OpenFlow/PCE integrated control plane for IP over translucent WSON with the assistance of a per-request-based dynamic topology server. Optics Express, 2013, 21, 4183.	3.4	14
61	On the long-memory filtering gain in optical high-order QAM transmission systems. Optics Express, 2013, 21, 11021.	3.4	1
62	1109-Tbit/s SDM transmission over 6,370 km using a full C-band seven-core EDFA. Optics Express, 2013, 21, 18053.	3.4	50
63	Generation and detection of 240-Gb/s PDM-64QAM using optical binary synthesizing approach and phase-folded decision-directed equalization. Optics Express, 2012, 20, 27933.	3.4	12
64	BER-adaptive flexible-format transmitter for elastic optical networks. Optics Express, 2012, 20, 18652.	3.4	37
65	Experimental evaluation of efficient routing and distributed spectrum allocation algorithms for GMPLS elastic networks. Optics Express, 2012, 20, 28532.	3.4	12
66	Optical transmitter for 320-Gb/s PDM-RZ-16QAM generation using electrical binary drive signals. Optics Express, 2012, 20, 28772.	3.4	6
67	Transmission of High-Speed (> 100 Gb/s) Direct-Detection Optical OFDM Superchannel. Journal of Lightwave Technology, 2012, 30, 2025-2034.	4.6	63
68	GMPLS/PCE Control of Flexi-Grid DWDM Optical Networks Using CO-OFDM Transmission [Invited]. Journal of Optical Communications and Networking, 2012, 4, B1.	4.8	32
69	Dynamic virtual link mesh topology aggregation in multi-domain translucent WSON with hierarchical-PCE. Optics Express, 2011, 19, B611.	3.4	13
70	Field and lab trials of PCE-based OSNR-aware dynamic restoration in multi-domain GMPLS-enabled translucent WSON. Optics Express, 2011, 19, 26568.	3.4	7
71	Experimental validation and performance evaluation of OpenFlow-based wavelength path control in transparent optical networks. Optics Express, 2011, 19, 26578.	3.4	68
72	Field Trial of All-Optical Networking Controlled by Intelligent Control Plane With Assistance of Optical Performance Monitors. Journal of Lightwave Technology, 2009, 27, 94-100.	4.6	8

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73	Link Performance Monitoring Technique for Measuring Residual Chromatic Dispersion of Optical Links. IEEE Photonics Technology Letters, 2008, 20, 1751-1753.	2.5	2
74	In-Band OSNR Monitoring Technique Based on Link-by-Link Estimation for Dynamic Transparent Optical Networks. Journal of Lightwave Technology, 2008, 26, 1217-1225.	4.6	24
75	Integrated intracavity quasi-phase-matched second harmonic generation based on periodically poled Nd:LiTaO ₃ . Applied Physics Letters, 1997, 70, 10-12.	3.3	42
76	Integrated electro-optic Q switching in a domain-inverted Nd:LiTaO ₃ laser. Optics Letters, 1995, 20, 1985.	3.3	13