

Hongxiang Wang

List of Publications by Year in descending order

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times ranked

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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	Investigation on the complex and tunable laser chaos generated by the microresonator optical combs injection. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2022, , 1-1.	2.9	0
3	Channel Characteristics Based Adjustable Fingerprint for Identity Authentication in WDM-PON With Deep Neural Networks. <i>IEEE Photonics Journal</i> , 2022, 14, 1-11.	2.0	1
4	Three-loop electro-optical phase chaotic secure communication system with time-delay signatures concealment and key space enhancement. <i>Optics Communications</i> , 2022, 512, 128065.	2.1	14
5	A time-delay signature elimination and broadband electro-optic chaotic system with enhanced nonlinearity by deep learning. <i>Optics Express</i> , 2022, 30, 17698.	3.4	8
6	Optical chaos generation and synchronization in secure communication with electro-optic coupling mutual injection. <i>Optics Communications</i> , 2022, 521, 128565.	2.1	9
7	Electro-optic chaotic system based on time delay feature hiding and key space enhancement based on chaotic post-processing. <i>Applied Optics</i> , 2022, 61, 5098.	1.8	1
8	All-Optical Aggregation and De-Aggregation of 4Å—BPSK-16QAM Using Nonlinear Wave Mixing for Flexible Optical Network. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-8.	2.9	8
9	2D-to-1D constellation reforming using phase-sensitive amplifier-based constellation squeezing and shifting. <i>Optics Express</i> , 2021, 29, 3724.	3.4	13
10	Electro-optic chaos system with time delay signature concealment based on XOR operation and multi-bit PRBS. <i>Optics Express</i> , 2021, 29, 7327.	3.4	13
11	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
12	Time-delay signature concealing electro-optic chaotic system with multiply feedback nonlinear loops. <i>Optics Express</i> , 2021, 29, 706.	3.4	15
13	Wideband complex-enhanced bidirectional phase chaotic secure communication with time-delay signature concealment. <i>Chaos</i> , 2020, 30, 093138.	2.5	8
14	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
15	All-optical phase regeneration for DP-QPSK/8PSK signals based on dual-conjugate pump degenerate phase sensitive amplification. <i>Optics Communications</i> , 2020, 473, 125847.	2.1	1
16	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
17	Key space enhancement of a chaos secure communication based on VCSELs with a common phase-modulated electro-optic feedback. <i>Optics Express</i> , 2020, 28, 23961.	3.4	24
18	Optical De-aggregation from 9QAM to PAM3 using Phase-sensitive Amplifier-based Optical Quadrature De-multiplexing and Two-level Vector Moving. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
19	All-optical aggregation and de-aggregation between 3 Å— BPSK and 8QAM in HNLf with wavelength preserved. <i>Applied Optics</i> , 2020, 59, 1092.	1.8	10
20	Multi-channel phase regeneration of QPSK signals based on phase sensitive amplification. <i>Frontiers of Optoelectronics</i> , 2019, 12, 24-30.	3.7	6
21	QPSK Signal Regeneration Based on Vector Phase Sensitive Amplification With Low Pump Powers. <i>IEEE Access</i> , 2019, 7, 63936-63943.	4.2	11
22	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
23	All-optical signal processing technologies in flexible optical networks. <i>Photonic Network Communications</i> , 2019, 38, 14-36.	2.7	44
24	Simultaneous All-Optical Channel Aggregation and De-Aggregation for 8QAM Signal in Elastic Optical Networking. <i>IEEE Photonics Journal</i> , 2019, 11, 1-8.	2.0	13
25	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
26	All-optical deaggregation from 8PSK to 3Å—BPSK based on FWM in HNLf. <i>Applied Optics</i> , 2019, 58, 1246.	1.8	9
27	Simultaneous all-optical channel aggregation and de-aggregation based on nonlinear effects for OOK and MPSK formats in elastic optical networking. <i>Optics Express</i> , 2019, 27, 30158.	3.4	13
28	Multi-bit wavelength coding phase-shift-keying optical steganography based on amplified spontaneous emission noise. <i>Optics Communications</i> , 2018, 407, 1-8.	2.1	16
29	All-Optical Multi-Level Phase Quantization Based on Phase-Sensitive Amplification With Low-Order Harmonics. <i>Journal of Lightwave Technology</i> , 2018, 36, 5833-5840.	4.6	7
30	Demonstration of optical channel de-aggregation for 8QAM Signal using FWM in HNLf. , 2018, , .		0
31	Analytical Solution of Amplitude Ratio in Optical Phase Quantization Based on Phase Sensitive Amplification. <i>Journal of Lightwave Technology</i> , 2018, , 1-1.	4.6	4
32	Security-Enhanced Electro-Optic Feedback Phase Chaotic System Based on Nonlinear Coupling of Two Delayed Interfering Branches. <i>IEEE Photonics Journal</i> , 2018, 10, 1-15.	2.0	10
33	Reconfigurable Optical Network Intermediate Node With Full-Quadrature Regeneration and Format Conversion Capacity. <i>Journal of Lightwave Technology</i> , 2018, 36, 4691-4700.	4.6	10
34	All-optical simultaneous multichannel quadrature phase shift keying signal regeneration based on phase-sensitive amplification. <i>Optical Engineering</i> , 2018, 57, 1.	1.0	1
35	All-optical simultaneous phase and amplitude regenerator based on a modified Machâ€Zehnder interferometric phase sensitive amplifier. <i>Optical Engineering</i> , 2017, 56, 026101.	1.0	4
36	All-Optical Phase Quantization with High Accuracy Based on a Multiwave Interference Phase Sensitive Amplifier. <i>IEEE Photonics Journal</i> , 2017, 9, 1-8.	2.0	5

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37	Optical modulation format conversion from one QPSK to one BPSK with information-integrity-employing phase-sensitive amplifier. Applied Optics, 2017, 56, 5307.	2.1	11
38	All Optical Format Conversion of 8-PSK to 4-PAM Signals Based on Phase Sensitive Amplification. , 2017, , .		4
39	Opaque virtual network mapping algorithms based on available spectrum adjacency for elastic optical networks. Science China Information Sciences, 2016, 59, 1.	4.3	13
40	LP-DWBA: A DWBA algorithm based on linear prediction in TWDM-PON. , 2015, , .		5
41	An inter multi-thread polling for bandwidth allocation in Long-Reach PON. , 2015, , .		2
42	Nonlinear decision boundary created by a machine learning-based classifier to mitigate nonlinear phase noise. , 2015, , .		50
43	A minimum wavelength tuning scheme for dynamic wavelength assignment in TWDM-PON. , 2015, , .		2
44	A PCE-based dynamic backup-reservation wavelength assignment scheme for WSONs. Photonic Network Communications, 2012, 23, 191-197.	2.7	0
45	A balancing scheme for QoS-aware service provisioning in OPS networks. Photonic Network Communications, 2012, 23, 198-203.	2.7	2
46	A GMPLS-based traffic engineering weighting scheme for reducing the routing overheads. , 2011, , .		1
47	A dynamic backup reservation scheme for wavelength assignment in WSONs. , 2011, , .		0
48	Early traffic identification using Bayesian networks. , 2010, , .		5
49	Parallel scheduling for distributed heterogeneous resources in multi-domain optical network. , 2010, , .		0
50	Performance analyses of serial-mode multicasting scheme in optical packet switched networks. Photonic Network Communications, 2009, 17, 202-208.	2.7	2
51	A novel optical Ethernet network analyzer transmitting self-similar traffic. , 2007, , .		0
52	Wavelength Tunable Optical Burst Ring Network Test-bed and Experimental Research. , 2007, , .		0
53	Hybrid Multicast Mode in All-Optical Networks. IEEE Photonics Technology Letters, 2007, 19, 1212-1214.	2.5	8
54	Optimization of Two-Stage Higher-Order PMD Compensator with Five Degrees of Freedom. , 2006, , .		0

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55	Serial Multicast Mode in All-Optical Networks. IEEE Photonics Technology Letters, 2006, 18, 2416-2418.	2.5	12
56	The limitation of initial chirp and higher-order PMD to 40 G bit/s optical transmission systems. , 0, , .		0