

Xiangyu Wu

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

259
citations

1163117

8
h-index

996975

15
g-index

32
all docs

32
docs citations

32
times ranked

166
citing authors

#	ARTICLE	IF	CITATIONS
1	A probabilistically shaped star-CAP-16/32 modulation based on constellation design with honeycomb-like decision regions. <i>Optics Express</i> , 2019, 27, 2732.	3.4	41
2	Probabilistic shaping 16 quadrature amplitude modulation scheme based on trellis-coded modulation for short-reach optical communication. <i>Optical Engineering</i> , 2020, 59, 1.	1.0	38
3	A robust probabilistic shaping PON based on symbol-level labeling and rhombus-shaped modulation. <i>Optics Express</i> , 2018, 26, 26576.	3.4	34
4	Three-Dimensional Probabilistically Shaped CAP Modulation Based on Constellation Design Using Regular Tetrahedron Cells. <i>Journal of Lightwave Technology</i> , 2020, 38, 1728-1734.	4.6	20
5	High-Security Physical Layer in CAP-PON System Based on Floating Probability Disturbance. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 367-370.	2.5	17
6	Security-Enhanced 3D-CAP-PON Based on Two-Stage Spherical Constellation Masking. <i>IEEE Access</i> , 2020, 8, 111966-111973.	4.2	12
7	Transfer learning assisted convolutional neural networks for modulation format recognition in few-mode fibers. <i>Optics Express</i> , 2021, 29, 36953.	3.4	12
8	Secure Optical 3D Probabilistic Shaping CAP System Based on Spherical Constellation Masking. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 1171-1174.	2.5	9
9	High-security OCDM-PON system of 7-core fiber based on CFCM encryption. <i>Optics Letters</i> , 2022, 47, 186.	3.3	7
10	A Novel Multi-Level Constellation Compression Modulation for GFDM-PON. <i>IEEE Photonics Journal</i> , 2019, 11, 1-11.	2.0	6
11	Secure OFDM transmission scheme based on chaotic encryption and noise-masking key distribution. <i>Optics Letters</i> , 2022, 47, 2903.	3.3	6
12	Flexible Filter Bank Multi-Carriers PON Based on Two-Dimensional Multiple Probabilistic Shaping Distribution. <i>IEEE Access</i> , 2019, 7, 1793-1799.	4.2	5
13	High-Security Multi-Slot Chaos Encryption With Dynamic Probability for 16-CAP PON. <i>IEEE Photonics Journal</i> , 2020, 12, 1-10.	2.0	5
14	Flexible Probabilistic Shaping PON Based on Ladder-Type Probability Model. <i>IEEE Access</i> , 2020, 8, 34170-34176.	4.2	5
15	Chaotic physical security strategy based on manifold learning-assisted GANs for SDM-OFDM-PONs. <i>Optics Letters</i> , 2022, 47, 1834.	3.3	5
16	High-security multi-level constellation shaping trellis-coded modulation method based on clustering mapping rules. <i>Optics Express</i> , 2022, 30, 15401.	3.4	5
17	A Probabilistically Shaped CAP Modulation Method Employing Multiple Subsets Mapping With Symbol Classification for a Short Reach Communication. <i>IEEE Photonics Journal</i> , 2019, 11, 1-8.	2.0	3
18	Self-adaptive Bandwidth Scheduling based on Improved Random Early Detection for NG-PON. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Probabilistic Shaping Design Based on Reduced-Exponentiation Subset Indexing and Honeycomb-Structured Constellation Optimization for 5G Fronthaul Network. IEEE Access, 2019, 7, 141395-141403.	4.2	3
20	Enhanced Three-Core Three-Mode Optical Transmission System Based on Probabilistic Shaping With Low Complexity MIMO Equalization Algorithm. IEEE Access, 2020, 8, 106136-106146.	4.2	3
21	Probabilistically shaped amplitude and pulse position modulation based on stepped amplitude probability distribution for optical access networks. Microwave and Optical Technology Letters, 2021, 63, 719-724.	1.4	3
22	Modulation format recognition with transfer learning assisted convolutional neural network using multiple Stokes sectional plane image in multi-core fibers. Optics Express, 2022, 30, 21990.	3.4	3
23	High-Security Physical Layer Encryption Scheme for SCMA-FBMC in Four-Mode Fiber. IEEE Photonics Journal, 2022, 14, 1-8.	2.0	3
24	A Novel Dynamic Bandwidth Allocation Algorithm for NG-PON based on QoS and SLA. , 2018, , .		2
25	All-Optical OOK -to-QPSK Modulation Format Conversion With Wavelength Multicasting Based on Cascaded SOA Configuration. IEEE Access, 2020, 8, 77843-77849.	4.2	2
26	Probabilistically shaped CAP-9 transmission based on reverse distribution model. Optical Engineering, 2020, 59, .	1.0	2
27	Optical performance monitoring using lifelong learning with confrontational knowledge distillation in 7-core fiber for elastic optical networks. Optics Express, 2022, 30, 27109.	3.4	2
28	Recursive Neural Network Based RRH to BBU Resource Allocation in 5G Fronthaul Network. , 2018, , .		1
29	An optical frequency comb with high carrier-to-noise ratio based on interleaved recirculating frequency shifter. , 2018, , .		1
30	Secure OCDM Mode Division Multiplexed Short-Reach Optical Communication Based on Time-Frequency Joint Perturbation. Journal of Lightwave Technology, 2022, 40, 4599-4606.	4.6	1
31	Dynamic and Flexible OFDM System Based on Joint Coded Modulation. IEEE Access, 2020, 8, 86057-86064.	4.2	0
32	Low peak-to-average power ratio OFDM-PON system with multiprobabilistic shaping distribution. Optical Engineering, 2020, 59, 1.	1.0	0