

Jianping Wang

List of Publications by Year in descending order

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75
papers

518
citations

759233

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all docs

75
docs citations

75
times ranked

431
citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-layer Routing Design in Cognitive Radio Networks by Colored Multigraph Model. <i>Wireless Personal Communications</i> , 2009, 49, 123-131.	2.7	56
2	Single-channel 102 Tbit/s (256 Tbaud) optical Nyquist pulse transmission over 300 km. <i>Optics Express</i> , 2018, 26, 27221.	3.4	41
3	Joint Optical Performance Monitoring and Modulation Format/Bit-Rate Identification by CNN-Based Multi-Task Learning. <i>IEEE Photonics Journal</i> , 2018, 10, 1-12.	2.0	36
4	Single LED-Based Indoor Positioning System Using Multiple Photodetectors. <i>IEEE Photonics Journal</i> , 2018, 10, 1-8.	2.0	25
5	An experimental study of NOMA in underwater visible light communication system. <i>Optics Communications</i> , 2020, 475, 126199.	2.1	20
6	New design of optical zero correlation zone codes in quasi-synchronous VLC CDMA systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2015, 2015, .	2.4	18
7	Feature Fusion-Based Multi-Task ConvNet for Simultaneous Optical Performance Monitoring and Bit-Rate/Modulation Format Identification. <i>IEEE Access</i> , 2019, 7, 126709-126719.	4.2	18
8	Fountain code-based error control scheme for dimmable visible light communication systems. <i>Optics Communications</i> , 2015, 347, 20-24.	2.1	17
9	Performance improvement of OFDM-ROF system with clipping and filtering technique. <i>IEEE Transactions on Consumer Electronics</i> , 2008, 54, 296-299.	3.6	16
10	On the study of the relation between linear/nonlinear PAPR reduction and transmission performance for OFDM-based VLC systems. <i>Optics Express</i> , 2018, 26, 13891.	3.4	15
11	Mitigating ambiguity by deep-learning-based modal decomposition method. <i>Optics Communications</i> , 2020, 471, 125845.	2.1	15
12	High accuracy indoor visible light positioning using a long short term memory-fully connected network based algorithm. <i>Optics Express</i> , 2021, 29, 41109.	3.4	14
13	Design of 20-polarization-maintaining-mode "pseudo-rectangle" elliptical-core fiber for MIMO-less MDM networks. <i>Optical Fiber Technology</i> , 2019, 50, 87-94.	2.7	13
14	A CDMA system implementation with dimming control for visible light communication. <i>Optics Communications</i> , 2018, 412, 172-177.	2.1	11
15	Alleviation of LED nonlinearity impact in visible light communication using companding and predistortion. <i>IET Communications</i> , 2019, 13, 818-821.	2.2	11
16	Deployment Issues and Performance Study in a Relay-Assisted Indoor Visible Light Communication System. <i>IEEE Systems Journal</i> , 2019, 13, 562-570.	4.6	11
17	An efficient MIMO-OFDM VLC system of combining space time block coding with orthogonal circulant matrix transform precoding. <i>Optics Communications</i> , 2020, 473, 125993.	2.1	11
18	Spatial-mode switchable ring fiber laser based on low mode-crosstalk all-fiber mode MUX/DEMUX. <i>Optics and Laser Technology</i> , 2018, 101, 21-24.	4.6	10

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19	Panda type elliptical ring core few-mode fiber. <i>Optical Fiber Technology</i> , 2020, 60, 102361.	2.7	10
20	Design of weakly-coupled three-spatial-mode rectangular-ring core fiber for short-reach MDM networks in C-band. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	3.3	8
21	Photonic frequency-octupling scheme for stable microwave generation based on two incoherent optical sources. <i>OSA Continuum</i> , 2020, 3, 1038.	1.8	8
22	Experimental demonstration of quasi-synchronous CDMA-VLC systems employing a new OZCZ code construction. <i>Optics Express</i> , 2019, 27, 12945.	3.4	8
23	A novel multicast routing algorithm in sparse splitting WDM network with power attenuation constraint. <i>Photonic Network Communications</i> , 2010, 19, 134-143.	2.7	7
24	An experimental study of power division multiplexing in visible light communication. <i>Optics Communications</i> , 2020, 455, 124296.	2.1	7
25	Multicast routing and wavelength assignment with delay constraint in WDM networks with sparse wavelength conversions. <i>Photonic Network Communications</i> , 2010, 19, 144-154.	2.7	6
26	Reconfigurable Optical Frequency Comb and Nyquist Pulses Generation With Tunable Sensitivities. <i>IEEE Access</i> , 2020, 8, 157211-157217.	4.2	6
27	Adaptive feedback threshold based demodulation for mobile visible light communication and positioning integrated system. <i>Optics Express</i> , 2022, 30, 13331.	3.4	6
28	Research of cooperative communication network with both preferential and random attachments. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 31, 47-59.	3.3	5
29	Reliable Optical Performance Monitor: The Combination of Parallel Framework and Skip Connected Generative Adversarial Network. <i>IEEE Access</i> , 2020, 8, 158391-158401.	4.2	5
30	Signature Codes in Visible Light Positioning. <i>IEEE Wireless Communications</i> , 2021, 28, 178-184.	9.0	5
31	Visible light indoor positioning via an iterative algorithm based on an M5 model tree. <i>Applied Optics</i> , 2020, 59, 10194.	1.8	5
32	Routing and Wavelength Assignment Strategy in Distributed Multi-Domain DWDM Network. , 2011, , .		4
33	All-fiber optical mode switching based on cascaded mode selective couplers for short-reach MDM networks. <i>Optical Engineering</i> , 2017, 56, 046104.	1.0	4
34	Design of weakly-coupled trench-assisted five-mode M-type fiber for short-haul communication in O band. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	3.3	4
35	Variable-Ratio Mode-Insensitive 1 × 2 Power Splitter Based on MMI Couplers and Phase Shifters. <i>IEEE Photonics Journal</i> , 2018, 10, 1-12.	2.0	4
36	Enhancing the Credibility of the Optical Performance Monitor With Adversarial Training. <i>IEEE Access</i> , 2020, 8, 75682-75690.	4.2	4

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37	Performance Evaluation of ZCC and OZCZ Code Set in an Integrated VLCP-CDMA System. IEEE Photonics Technology Letters, 2022, 34, 846-849.	2.5	4
38	A Topology Aggregation Algorithm Based on Asymmetric Multi-Domain Optical Network. , 2009, , .		3
39	Nonlinear dynamic evolution and control in CCFN with mixed attachment mechanisms. Physica A: Statistical Mechanics and Its Applications, 2017, 466, 120-132.	2.6	3
40	Indoor Positioning System Based on Single LED Using Symmetrical Optical Receiver. , 2018, , .		3
41	Joint evaluation of internal quantum efficiency and light extraction efficiency for AlGaIn-based deep ultraviolet LEDs considering optical polarization properties. Journal of Applied Physics, 2020, 128, 125703.	2.5	3
42	Improving the adaptability of the optical performance monitor by transfer learning. Applied Optics, 2021, 60, 4827.	1.8	3
43	Experimental implementation of digital equalizer for multilevel signal in visible light communication. Optical Engineering, 2020, 59, 1.	1.0	3
44	Octagonal polarization-maintaining supermode fiber for mode division multiplexing system. Optics Communications, 2022, 510, 127897.	2.1	3
45	A subscription-based two-way signaling for optical burst switched networks. Photonic Network Communications, 2012, 24, 198-209.	2.7	2
46	Performance improvement of VLC system by using GaN-based LEDs with strain relief layers. IEEE Photonics Technology Letters, 2016, , 1-1.	2.5	2
47	Low-complexity peak-to-average power ratio reduction scheme for flip-orthogonal frequency division multiplexing visible light communication system based on $1/4$ -law mapping. Optical Engineering, 2017, 56, 066110.	1.0	2
48	A novel relay selection strategy based on deterministic small world model on CCN. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 559-568.	2.6	2
49	Design of solid-core Bragg few-mode fiber for short-reach MIMO networks in $O \times C$	2.1	2
50	New Construction of OVSF-OZCZ Codes in Multi-Rate Quasi-Synchronous CDMA VLC Systems for IoT Applications. IEEE Access, 2020, 8, 130888-130895.	4.2	2
51	Switchable multi-wavelength linearly-polarized lasing oscillations in a figure eight EDF laser based on spatial-mode beating by means of weakly-coupled FMF. Optics and Laser Technology, 2020, 128, 106259.	4.6	2
52	Single light-emitting diode-based high-accuracy indoor positioning system using symmetrical optical receiver. Optical Engineering, 2018, 57, 1.	1.0	2
53	On the study of a quasi-synchronous CDMA-VLC system with two channels. Optics Express, 2019, 27, 30249.	3.4	2
54	Performance-enhanced indoor MIMO-OFDM visible light communications using individual/joint CAZAC precoding techniques. Applied Optics, 2020, 59, 10746.	1.8	2

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55	A Novel Wavelength Assignment Algorithm for Distributed Optical Networks. , 2009, , .		1
56	Ellipse-underlay protection algorithm to deal with regional demolishments in mesh optical networks. Photonic Network Communications, 2010, 20, 247-256.	2.7	1
57	A Mixed Message Distribution Inter-domain Signaling Protocol. , 2012, , .		1
58	Spatial-mode switchable, multi-wavelength all-fiber erbium-doped fiber (EDF) laser based on low modal crosstalk mode multiplexer/demultiplexer (MUX/DEMUX). Laser Physics, 2019, 29, 075105.	1.2	1
59	Switchable transverse-mode operation of an actively mode-locked EDF laser based on low-modal-crosstalk mode MUX/DEMUX. Indian Journal of Physics, 2020, 94, 1071-1078.	1.8	1
60	Design of Weakly-Coupled 16-Vector-Mode Coaxial Bragg FMF for Short-Haul Communication. IEEE Access, 2020, 8, 215214-215223.	4.2	1
61	Design of a side-hole-assisted weakly coupled rectangular ring-core multimode fiber for mode-division-multiplexing networks. Applied Optics, 2021, 60, 7406.	1.8	1
62	An Integrated Visible Light Communication and Positioning CDMA System Implementation Based on OZCZ Code. , 2021, , .		1
63	Separate least mean square based equalizer with joint optimization for multi-CAP visible light communication. China Communications, 2022, 19, 264-273.	3.2	1
64	EA-HD: a novel link state update mechanism for ASON. Photonic Network Communications, 2010, 20, 209-215.	2.7	0
65	A foresighted strategy for greed-based multicasting algorithms in all-optical mesh networks. Photonic Network Communications, 2010, 20, 278-283.	2.7	0
66	Dynamic Uplink Power Allocation with Hierarchical Interference Bound for Multi-Cell Multi-User Cognitive Radio System. , 2010, , .		0
67	Topology aggregation and decoding algorithms based on a minimum spanning tree in asymmetric multi-domain optical networks. Photonic Network Communications, 2011, 21, 28-33.	2.7	0
68	Optimization 6-bit all-optical quantization with positive or negative pre-chirp based on photonic crystal fiber. Optical Review, 2015, 22, 686-692.	2.0	0
69	Selective mapping and restorable clipping joint scheme for light-emitting diode nonlinearity alleviation in visible light communication system. Optical Engineering, 2016, 55, 056106.	1.0	0
70	A Novel Data-Aided Joint Timing and Carrier Frequency Offset Estimation Based on Central Symmetry ZC Sequence in OFDM/OQAM Systems. Wireless Personal Communications, 2016, 90, 1619-1634.	2.7	0
71	The efficiency droop impact of GaN-based LEDs on the performance of OFDM visible light communication system. Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 13, 278-282.	0.8	0
72	Experimental investigation on impacts of PAPR reduction schemes in OFDM-based VLC systems. , 2017, , .		0

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73	Design of ultra-flattened dispersion weakly coupled few-mode photonic crystal fiber with low confinement loss. <i>Optical Engineering</i> , 2022, 61, .	1.0	0
74	Design of trench-nanopore-assisted double-clad weakly coupled few-mode fiber for short-haul mode division multiplexing. <i>Indian Journal of Physics</i> , 0, , 1.	1.8	0
75	Design of weakly-coupled ultra-flattened dispersion few-mode photonic crystal fiber. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	3.3	0