Jian Zhang

List of Publications by Year
in descending order

24 papers	783 citations	1307594 7 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	1308 citing authors

#	Article	IF	Citations
1	Energy-Efficient Optimization Design for the Multi-Color LED Based Visible Light Communication Systems under Illumination Constraints. Applied Sciences (Switzerland), 2019, 9, 1.	2.5	668
2	Weight Threshold Check Coding for Dimmable Indoor Visible Light Communication Systems. IEEE Photonics Journal, 2018, 10, 1-11.	2.0	18
3	Autoencoder-Based Transceiver Design for OWC Systems in Log-Normal Fading Channel. IEEE Photonics Journal, 2019, 11, 1-12.	2.0	17
4	A Novel Coding Based Dimming Scheme with Constant Transmission Efficiency in VLC Systems. Applied Sciences (Switzerland), 2019, 9, 803.	2.5	8
5	A spectral-efficient dimming control scheme with multi-level incremental constant weight codes in visible light communication systems. Optics Communications, 2018, 426, 531-534.	2.1	7
6	Constant Weight Space-Time Codes for Dimmable MIMO-VLC Systems. IEEE Photonics Journal, 2020, 12, 1-15.	2.0	7
7	Constant Transmission Efficiency Dimming Control Scheme for VLC Systems. Photonics, 2021, 8, 7.	2.0	7
8	Capacity Maximization for Reconfigurable Intelligent Surface-Aided MISO Visible Light Communications. Photonics, 2022, 9, 487.	2.0	7
9	Adaptive beamforming algorithm for coprime array based on interference and noise covariance matrix reconstruction. IET Radar, Sonar and Navigation, 2022, 16, 668-677.	1.8	6
10	Dimming control scheme for VLC systems based on multilevel data transmission. Applied Optics, 2018, 57, 9584.	1.8	5
11	Joint data transmission and dimming control optimization for MIMOâ€“VLC systems with channel-adaptive spatial constellation design. Optics Communications, 2019, 436, 21-25.	2.1	4
12	A super transformed nested array with reduced mutual coupling for direction of arrival estimation of nonâ€circular signals. IET Radar, Sonar and Navigation, 2022, 16, 799-814.	1.8	4
13	On the Capacity of MISO Optical Intensity Channels With Per-Antenna Intensity Constraints. IEEE Transactions on Information Theory, 2022, 68, 3920-3941.	2.4	4
14	Power Allocation Optimization Design for the Quadrichromatic LED Based VLC Systems with Illumination Control. Crystals, 2019, 9, 169.	2.2	3
15	FFT-Assisted Coded Modem for Intensity-Modulated Signals Under Peak and Average Power Constraints. IEEE Transactions on Communications, 2020, 68, 274-288.	7.8	3
16	Joint multi-LED dimming control scheme based on the additively uniquely decomposable constellation group. Optics Communications, 2021, 495, 127053.	2.1	3
17	Efficient multi-LED dimming control scheme with spaceâ€“time codes for VLC systems. Applied Optics, 2020, 59, 8553.	1.8	3
18	Neural Network-Based Transceiver Design for VLC System over ISI Channel. Photonics, 2022, 9, 190.	2.0	3

#	Article	IF	Citations
19	Optimal Hexagonal Constellations Based on a Two-Dimensional Signal Space for Peak-Limited Intensity-Modulated Channels. IEEE Communications Letters, 2019, 23, 254-257.	4.1	2
20	Space-Time Constellation for MU-MISO Dimmable Visible Light Communications. IEEE Communications Letters, 2021, 25, 2329-2332.	4.1	2
21	A Two-Level Coded Modem for High-Rate Low-Latency Peak-Limited VLC. IEEE Wireless Communications Letters, 2020, 9, 658-661.	5.0	1
22	Instantaneous Bandwidth Enhancement for Variable Inclination Continuous Transverse Stub Antenna. International Journal of Antennas and Propagation, 2022, 2022, 1-8.	1.2	1
23	Transceiver design for MUâ€SIMO FSO communication over correlated lognormal channels. IET Communications, 2021, 15, 2259.	2.2	0
24	Dimming Control Scheme of Visible Light Communication Based on Joint Multilevel Time-Shifted Coding. Electronics (Switzerland), 2022, 11, 1602.	3.1	0