

# Rui Deng

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

891  
citations

471509

17  
h-index

552781

26  
g-index

65  
all docs

65  
docs citations

65  
times ranked

942  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance Analysis of Visible Light Communication Based on 16-QAM Companded OFDM Using Laser Diode. <i>Journal of Optical Communications</i> , 2020, 41, 153-158.	4.7	2
2	A phosphofructokinase B-type carbohydrate kinase family protein, PFKB1, is essential for chloroplast development at early seedling stage in rice. <i>Plant Science</i> , 2020, 290, 110295.	3.6	8
3	Haemin pre-treatment augments the cardiac protection of mesenchymal stem cells by inhibiting mitochondrial fission and improving survival. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 431-440.	3.6	27
4	A Simple Blind Sampling Frequency Offset Estimation Scheme for Short-Reach DD-OFDM Systems. <i>IEEE Photonics Journal</i> , 2020, 12, 1-10.	2.0	1
5	Real-Time 2.2-Gb/s Water-Air OFDM-OWC System With Low-Complexity Transmitter-Side DSP. <i>Journal of Lightwave Technology</i> , 2020, 38, 5668-5675.	4.6	35
6	Downregulation of RIG-I mediated by ITGB3/c-SRC/STAT3 signaling confers resistance to interferon- $\beta$ -induced apoptosis in tumor-repopulating cells of melanoma. , 2020, 8, e000111.		22
7	Real-Time Software-Reconfigurable Hybrid In-House Access With OFDM-NOMA. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 379-382.	2.5	5
8	Beyond 100-kbit/s Transmission over Rolling Shutter Camera-based VLC Enabled by Color and Spatial Multiplexing. , 2020, , .		10
9	Nonlinear Compensation Based on K-Means Clustering Algorithm for Nyquist PAM-4 VLC System. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 935-938.	2.5	28
10	Demonstration of Real-Time Software Reconfigurable Dynamic Power-and-Subcarrier Allocation Scheme for OFDM-NOMA-Based Multi-User Visible Light Communications. <i>Journal of Lightwave Technology</i> , 2019, 37, 4401-4409.	4.6	26
11	Fluid Phase Simulation and Evolution of a Condensate Gas Reservoir in the Tazhong Uplift, Tarim Basin. <i>Geofluids</i> , 2019, 2019, 1-15.	0.7	5
12	Performance enhancement of OFDM-VLC system using joint preprocessing scheme. <i>Optics Communications</i> , 2019, 451, 111-115.	2.1	5
13	Spaced color shift keying modulation for camera-based visible light communication system using rolling shutter effect. <i>Optics Communications</i> , 2019, 449, 19-23.	2.1	3
14	Efficient Sampling Scheme Based on Length Estimation for Optical Camera Communication. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 841-844.	2.5	12
15	Experimental demonstration of an adaptive SFO pre-compensation scheme for OFDM-PON. <i>Optics Communications</i> , 2019, 440, 26-31.	2.1	2
16	Two-level encryption for physical-layer security in OFDM-PON based on multi-scrolls system. <i>Optics Communications</i> , 2019, 440, 126-131.	2.1	11
17	Immobilized laccase on bentonite-derived mesoporous materials for removal of tetracycline. <i>Chemosphere</i> , 2019, 222, 865-871.	8.2	121
18	MnTE-2-PyP Attenuates TGF- $\beta$ -Induced Epithelial-Mesenchymal Transition of Colorectal Cancer Cells by Inhibiting the Smad2/3 Signaling Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-11.	4.0	14

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19	2D-Constellation-Assisted CSK transmission over OCC system under low-level illuminance. , 2019, , .		2
20	Performance Enhancement by Spatial Diversity for Robust VLC systems with Fast-moving Terminals. , 2019, , .		3
21	Enhancement of Signal Performance in bidirectional RSE-based CVLC system employing NPM modulation scheme. Optics Communications, 2019, 432, 97-100.	2.1	7
22	47-kbit/s RGB-LED-based optical camera communication based on 2D-CNN and XOR-based data loss compensation. Optics Express, 2019, 27, 33840.	3.4	40
23	Robust UOWC systems against bubble-induced impairments via transmit/receive diversities [Invited]. Chinese Optics Letters, 2019, 17, 100006.	2.9	5
24	Real-time Demonstration of Software Reconfigurable Dynamic Power-and-subcarrier Allocation Scheme for OFDM-NOMA based Multi-user Visible Light Communications. , 2019, , .		4
25	160 Gb/s 256QAM Transmission in a 25 GHz Grid Using Kramers-Kronig Detection. , 2019, , .		5
26	Experimental demonstration of blind equalization for OFDM/OQAM-VLC system. Optical Engineering, 2019, 58, 1.	1.0	3
27	Experimental Demonstration of a Real-Time gigabit OFDM-VLC system with a cost-efficient precoding scheme. Optics Communications, 2018, 423, 69-73.	2.1	18
28	Kinetic study of marine and lacustrine shale grains using Rock-Eval pyrolysis: Implications to hydrocarbon generation, retention and expulsion. Marine and Petroleum Geology, 2018, 89, 164-173.	3.3	34
29	Twin-SSB-OFDM Transmission Over Heterodyne W-Band Fiber-Wireless System With Real-Time Implementable Blind Carrier Recovery. Journal of Lightwave Technology, 2018, 36, 5562-5572.	4.6	21
30	Experimental demonstration of 20-Gb/s dual-band Nyquist PAM-4 transmission over a short-reach IMDD system using super-Nyquist sampling technique. Optics Letters, 2018, 43, 2640.	3.3	6
31	Increasing data rate of an optical IMDD system using a cost-efficient dual-band transmission scheme based on RTZ DAC and sub-Nyquist sampling ADC. Optics Express, 2018, 26, 11599.	3.4	10
32	Performance improvement of ACO-OFDM system using OCT precoding combined with digital peak-clipping. , 2018, , .		1
33	Experimental Demonstration of OQAM-OFDM based MIMO-NOMA over Visible Light Communications. , 2018, , .		14
34	On the Hardware Complexity of Kramers-Kronig Receiver. , 2018, , .		3
35	Experimental Research on Adaptive 128/64QAM DFT-Spread IFFT/FFT Size Efficient OFDM With a High SE in VLC System. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	11
36	Flexible Multiband OFDM Ultra-Wideband Services Based on Optical Frequency Combs. Journal of Optical Communications and Networking, 2017, 9, 393.	4.8	29

#	ARTICLE	IF	CITATIONS
37	Experimental Demonstration of Software-Configurable Asynchronous Real-Time OFDM Signal Transmission in a Hybrid Fiber-VLLC System. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	17
38	An approach enabling adaptive FEC for OFDM in fiber-VLLC system. Optics Communications, 2017, 405, 329-333.	2.1	20
39	Experimental research of adaptive OFDM and OCT precoding with a high SE for VLLC system. Optical Fiber Technology, 2017, 37, 21-25.	2.7	8
40	DFT-spread combined with clipping method to reduce the PAPR in VLC-OFDM system. Optoelectronics Letters, 2017, 13, 229-232.	0.8	2
41	A DCT-spread FOFDM signal with low PAPR in W-band RoF system. , 2017, , .		1
42	DFT-Spread Combined with Clipping Method to Reduce the PAPR in VLC-OFDM System. , 2017, , .		2
43	OLT-centralized sampling frequency offset compensation scheme for OFDM-PON. Optics Express, 2017, 25, 19508.	3.4	19
44	238 Kbits/frame WDM transmission over a CVLC system with sampling reconstruction for SFO mitigation. Optics Express, 2017, 25, 30575.	3.4	11
45	Real-Time VLLC-OFDM HD-SDI Video transmission system with TS-based SFO estimation. , 2017, , .		14
46	W-Band Vector Signal Generation by Photonic Frequency Quadrupling and Balanced Pre-Coding. IEEE Photonics Technology Letters, 2016, 28, 1807-1810.	2.5	20
47	The Research of Optical Fast OFDM Based on Channel Estimation Algorithm. IEEE Photonics Journal, 2016, 8, 1-5.	2.0	6
48	Performance investigation of the FFT/IFFT size efficient DFT-Spread-OFDM signals in hybrid Fiber-VLLC systems. , 2016, , .		0
49	Time domain zero-padding based adaptive-PAM signal transmission with high spectral efficiency in IMDD optical communication system. Optics Communications, 2016, 372, 126-131.	2.1	1
50	Demonstration of 2.97-Gb/s video signal transmissions in DML-based IM-DDO-OFDM systems. Optical Fiber Technology, 2016, 29, 90-94.	2.7	6
51	Enhanced Performance of CAP System Using an Overlap Frequency-Domain Equalization Scheme. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	9
52	Low-cost bidirectional hybrid fiber-visible laser light communication system based on carrier-less amplitude phase modulation. Optical Engineering, 2016, 55, 086109.	1.0	9
53	FFT-Size Efficient 4096-QAM OFDM for Low-Cost DML-Based IMDD System. IEEE Photonics Journal, 2016, 8, 1-10.	2.0	8
54	Performance improvement by orthogonal pulse amplitude modulation and discrete multitone modulation signals in hybrid fiber-visible laser light communication system. Optical Engineering, 2016, 55, 106106.	1.0	3

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55	MPR-CT Imaging for Stapes Prosthesis. <i>Otology and Neurotology</i> , 2016, 37, 321-323.	1.3	4
56	WDM-CAP-PON integration with VLLC system based on optical frequency comb. <i>Optics Communications</i> , 2016, 374, 127-132.	2.1	22
57	A serial IFFT precoding scheme to mitigate the periodic noise in OFDM system. <i>IEEE Communications Letters</i> , 2016, , 1-1.	4.1	2
58	Adaptive modulation and intra-symbol frequency-domain averaging scheme for multiband OFDM UWB over fiber system. <i>Optics Communications</i> , 2016, 358, 45-53.	2.1	7
59	Inhibitory effect of 2-mercaptoethane sulfonate on the formation of <i>Escherichia coli</i> biofilms in vitro. <i>Molecular Medicine Reports</i> , 2015, 12, 5223-5230.	2.4	3
60	SFO compensation by pilot-aided channel estimation for real-time DDO-OFDM system. <i>Optics Communications</i> , 2015, 355, 172-176.	2.1	21
61	Real-Time LR-DDO-OFDM Transmission System Using EML With 1024-Point FFT. <i>IEEE Photonics Technology Letters</i> , 2015, 27, 1841-1844.	2.5	15
62	Molecular insights into the promiscuous interaction of human pregnane X receptor (hPXR) with diverse environmental chemicals and drug compounds. <i>Chemosphere</i> , 2014, 96, 138-145.	8.2	5
63	Contribution of Auditory Working Memory to Speech Understanding in Mandarin-Speaking Cochlear Implant Users. <i>PLoS ONE</i> , 2014, 9, e99096.	2.5	30
64	Electrostatic tuning of Kondo effect in a rare-earth-doped wide-band-gap oxide. <i>Physical Review B</i> , 2013, 87, .	3.2	49
65	Etiologic Diagnosis of Lower Respiratory Tract Bacterial Infections Using Sputum Samples and Quantitative Loop-Mediated Isothermal Amplification. <i>PLoS ONE</i> , 2012, 7, e38743.	2.5	24