Hoa Le Minh

List of Publications by Year
in descending order

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		304743	414414
61	3,489	22	32
papers	citations	h-index	g-index

62	62	62	1970
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamic Physical-Layer Secured Link in a Mobile MIMO VLC System. IEEE Photonics Journal, 2020, 12, 1-14.	2.0	12
2	Data Rate Enhancement in Optical Camera Communications Using an Artificial Neural Network Equaliser. IEEE Access, 2020, 8, 42656-42665.	4.2	33
3	An Artificial Neural Network Equalizer for Constant Power 4-PAM in Optical Camera Communications. , 2020, , .		2
4	Investigation into Using Compensation for the Nonlinear Effects of the Output of LEDs in Visible Light Communication Systems. , 2019, , .		4
5	Comparative Study of Image Processing Performance of Camera-Based Visible Light Communication Using Android Acceleration Frameworks. , 2018, , .		2
6	Investigation of WDM VLC Using Standard 5 mm RGB LEDs. , 2018, , .		3
7	LiCompass: Extracting orientation from polarized light. , 2017, , .		3
8	Multi-cell VLC: Multi-user downlink capacity with coordinated precoding. , 2017, , .		18
9	Position encoded asymmetrically clipped optical orthogonal frequency division multiplexing in visible light communications. Journal of Communications and Information Networks, 2017, 2, 1-10.	5.2	38
10	Smartphone Camera Based Visible Light Communication. Journal of Lightwave Technology, 2016, 34, 4121-4127.	4.6	75
11	Effect of optimal Lambertian order for cellular indoor optical wireless communication and positioning systems. Optical Engineering, 2016, 55, 066114.	1.0	20
12	Experimental Demonstration of a 1024-QAM Optical Camera Communication System. IEEE Photonics Technology Letters, 2016, 28, 139-142.	2.5	43
13	Guest Editorial: Special Issue on Opticalâ€Wireless Communications. IET Optoelectronics, 2015, 9, 169-171.	3.3	0
14	Selfâ€adaptive proactive routing scheme for mobile adâ€hoc networks. IET Networks, 2015, 4, 128-136.	1.8	8
15	Self-correcting MIMO visible light communications system using localization. , 2015, , .		6
16	Undersampled-PAM with subcarrier modulation for camera communications. , 2015, , .		30
17	Wavelength-Multiplexed Polymer LEDs: Towards 55 Mb/s Organic Visible Light Communications. IEEE Journal on Selected Areas in Communications, 2015, 33, 1819-1828.	14.0	51
18	A Multi-CAP Visible-Light Communications System With 4.85-b/s/Hz Spectral Efficiency. IEEE Journal on Selected Areas in Communications, 2015, 33, 1771-1779.	14.0	85

#	Article	IF	Citations
19	Multi-band carrier-less amplitude and phase modulation for bandlimited visible light communications systems. IEEE Wireless Communications, 2015, 22, 46-53.	9.0	68
20	Sum-rate maximization of multi-user MIMO visible light communications. , 2015, , .		23
21	Performance analysis of a car-to-car visible light communication system. Applied Optics, 2015, 54, 1696.	1.8	101
22	Experimental Demonstration of RGB LED-Based Optical Camera Communications. IEEE Photonics Journal, 2015, 7, 1-12.	2.0	107
23	Investigation of data encryption impact on broadcasting visible light communications. , 2014, , .		7
24	Bidirectional Wavelength Reconfigurable Module Based on Tunable Fiber Bragg Grating and Remote Pump Amplifier. Fiber and Integrated Optics, 2014, 33, 383-394.	2.5	1
25	Secured communications-zone multiple input multiple output visible light communications. , 2014, , .		21
26	Experimental demonstration of a 10BASEâ€T Ethernet visible light communications system using white phosphor lightâ€emitting diodes. IET Circuits, Devices and Systems, 2014, 8, 322-330.	1.4	29
27	High-capacity transmission combined fiber cable and optical wireless for self-healing in bridge damage situation. , 2014, , .		0
28	Visible light communications: real time 10 Mb/s link with a low bandwidth polymer light-emitting diode. Optics Express, 2014, 22, 2830.	3.4	73
29	Undersampled phase shift ON-OFF keying for camera communication. , 2014, , .		86
30	A novel encounter-based metric for mobile ad-hoc networks routing. Ad Hoc Networks, 2014, 14, 2-14.	5.5	42
31	Data detection for Smartphone visible light communications. , 2014, , .		8
32	Fundamental analysis of a car to car visible light communication system. , 2014, , .		56
33	Organic visible light communications: Recent progress. , 2014, , .		6
34	A 20-Mb/s VLC Link With a Polymer LED and a Multilayer Perceptron Equalizer. IEEE Photonics Technology Letters, 2014, 26, 1975-1978.	2.5	25
35	Experimental Demonstration of 50-Mb/s Visible Light Communications Using 4<inline-formula> <tex-math notation="TeX">$,imes,$ </tex-math></inline-formula>4 MIMO. IEEE Photonics Technology Letters, 2014, 26, 945-948.	2.5	193
36	2.7 Mb/s With a 93-kHz White Organic Light Emitting Diode and Real Time ANN Equalizer. IEEE Photonics Technology Letters, 2013, 25, 1687-1690.	2.5	27

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37	Improvement of Transmission Bandwidth for Indoor Optical Wireless Communication Systems Using an Elliptical Lambertian Beam. IEEE Photonics Technology Letters, 2013, 25, 107-110.	2.5	13
38	Bayesian model for mobility prediction to support routing in Mobile Ad-Hoc Networks. , 2013, , .		4
39	2 $imes$ 80 Gbit/s DWDM Bidirectional Wavelength Reuse Optical Wireless Transmission. IEEE Photonics Journal, 2013, 5, 7901708-7901708.	2.0	18
40	BER evaluation/or 3×3 reconfigurable multiwavelength bidirectional optical cross-connect. , 2013, , .		0
41	Investigation of the impact of hop-count and node density on MANET's performance. , 2012, , .		0
42	High-Speed Optical Wireless Demonstrators: Conclusions and Future Directions. Journal of Lightwave Technology, 2012, 30, 2181-2187.	4.6	124
43	Performance Analysis of Ethernet/Fast-Ethernet Free Space Optical Communications in a Controlled Weak Turbulence Condition. Journal of Lightwave Technology, 2012, 30, 2188-2194.	4.6	71
44	Low-Crosstalk 3 Ã— 3 Optical Cross-Connect Using Fiber Bragg Gratings. Fiber and Integrated Optics, 2012, 31, 229-236.	2.5	6
45	Improvement of the Transmission Bandwidth for Indoor Optical Wireless Communication Systems Using a Diffused Gaussian Beam. IEEE Communications Letters, 2012, 16, 1316-1319.	4.1	19
46	Exploiting Equalization Techniques for Improving Data Rates in Organic Optoelectronic Devices for Visible Light Communications. Journal of Lightwave Technology, 2012, 30, 3081-3088.	4.6	72
47	A 280Mbit/s infrared optical wireless communications system. Proceedings of SPIE, 2011, , .	0.8	1
48	Investigation of imperfect control pulse effect on performance of the all-optical pulse-position-modulation routing scheme. , 2011, , .		2
49	A gigabit/s indoor optical wireless system for Home Access Networks. , 2010, , .		3
50	High data-rate infra-red optical wireless communications: Implementation challenges. , 2010, , .		7
51	A 1.25-Gb/s Indoor Cellular Optical Wireless Communications Demonstrator. IEEE Photonics Technology Letters, 2010, 22, 1598-1600.	2.5	71
52	Indoor Gigabit optical wireless communications: Challenges and possibilities. , 2010, , .		39
53	Challenges in Gbps Wireless Optical Transmission. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 484-495.	0.3	10
54	Gigabit optical wireless for a Home Access Network. , 2009, , .		11

#	Article	IF	Citations
55	High data rate multiple input multiple output (MIMO) optical wireless communications using white led lighting. IEEE Journal on Selected Areas in Communications, 2009, 27, 1654-1662.	14.0	778
56	100-Mb/s NRZ Visible Light Communications Using a Postequalized White LED. IEEE Photonics Technology Letters, 2009, 21, 1063-1065.	2.5	521
57	Equalisation for high-speed Visible Light Communications using white-LEDs. , 2008, , .		12
58	High-Speed Visible Light Communications Using Multiple-Resonant Equalization. IEEE Photonics Technology Letters, 2008, 20, 1243-1245.	2.5	305
59	Home access networks using optical wireless transmission. , 2008, , .		34
60	80 Mbit/s Visible Light Communications using pre-equalized white LED. , 2008, , .		61
61	Simulation of All-Optical Routing Employing PPM-based Header Processing in Photonic Packet Switched Core Network. , 2006, , .		1