

Hoa Le Minh

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

3,489
citations

304743

22
h-index

414414

32
g-index

62
all docs

62
docs citations

62
times ranked

1970
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	100-Mb/s NRZ Visible Light Communications Using a Postequalized White LED. IEEE Photonics Technology Letters, 2009, 21, 1063-1065.	2.5	521
3	High-Speed Visible Light Communications Using Multiple-Resonant Equalization. IEEE Photonics Technology Letters, 2008, 20, 1243-1245.	2.5	305
4	Experimental Demonstration of 50-Mb/s Visible Light Communications Using 4×4 MIMO. IEEE Photonics Technology Letters, 2014, 26, 945-948.	2.5	193
5	High-Speed Optical Wireless Demonstrators: Conclusions and Future Directions. Journal of Lightwave Technology, 2012, 30, 2181-2187.	4.6	124
6	Experimental Demonstration of RGB LED-Based Optical Camera Communications. IEEE Photonics Journal, 2015, 7, 1-12.	2.0	107
7	Performance analysis of a car-to-car visible light communication system. Applied Optics, 2015, 54, 1696.	1.8	101
8	Undersampled phase shift ON-OFF keying for camera communication. , 2014, , .		86
9	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
10	Smartphone Camera Based Visible Light Communication. Journal of Lightwave Technology, 2016, 34, 4121-4127.	4.6	75
11	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
12	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
13	A 1.25-Gb/s Indoor Cellular Optical Wireless Communications Demonstrator. IEEE Photonics Technology Letters, 2010, 22, 1598-1600.	2.5	71
14	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
15	Multi-band carrier-less amplitude and phase modulation for bandlimited visible light communications systems. IEEE Wireless Communications, 2015, 22, 46-53.	9.0	68
16	80 Mbit/s Visible Light Communications using pre-equalized white LED. , 2008, , .		61
17	Fundamental analysis of a car to car visible light communication system. , 2014, , .		56
18	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

#	ARTICLE	IF	CITATIONS
19	Experimental Demonstration of a 1024-QAM Optical Camera Communication System. IEEE Photonics Technology Letters, 2016, 28, 139-142.	2.5	43
20	A novel encounter-based metric for mobile ad-hoc networks routing. Ad Hoc Networks, 2014, 14, 2-14.	5.5	42
21	Indoor Gigabit optical wireless communications: Challenges and possibilities. , 2010, , .		39
22	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
23	Home access networks using optical wireless transmission. , 2008, , .		34
24	Data Rate Enhancement in Optical Camera Communications Using an Artificial Neural Network Equaliser. IEEE Access, 2020, 8, 42656-42665.	4.2	33
25	Undersampled-PAM with subcarrier modulation for camera communications. , 2015, , .		30
26	Experimental demonstration of a 10BASE-T Ethernet visible light communications system using white phosphor light-emitting diodes. IET Circuits, Devices and Systems, 2014, 8, 322-330.	1.4	29
27	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
28	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
29	Sum-rate maximization of multi-user MIMO visible light communications. , 2015, , .		23
30	Secured communications-zone multiple input multiple output visible light communications. , 2014, , .		21
31	Effect of optimal Lambertian order for cellular indoor optical wireless communication and positioning systems. Optical Engineering, 2016, 55, 066114.	1.0	20
32	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
33	2 \times 80 Gbit/s DWDM Bidirectional Wavelength Reuse Optical Wireless Transmission. IEEE Photonics Journal, 2013, 5, 7901708-7901708.	2.0	18
34	Multi-cell VLC: Multi-user downlink capacity with coordinated precoding. , 2017, , .		18
35	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
36	Equalisation for high-speed Visible Light Communications using white-LEDs. , 2008, , .		12

#	ARTICLE	IF	CITATIONS
37	Dynamic Physical-Layer Secured Link in a Mobile MIMO VLC System. IEEE Photonics Journal, 2020, 12, 1-14.	2.0	12
38	Gigabit optical wireless for a Home Access Network. , 2009, , .		11
39	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
40	Data detection for Smartphone visible light communications. , 2014, , .		8
41	Self-Adaptive proactive routing scheme for mobile ad-hoc networks. IET Networks, 2015, 4, 128-136.	1.8	8
42	High data-rate infra-red optical wireless communications: Implementation challenges. , 2010, , .		7
43	Investigation of data encryption impact on broadcasting visible light communications. , 2014, , .		7
44	Low-Crosstalk 3 × 3 Optical Cross-Connect Using Fiber Bragg Gratings. Fiber and Integrated Optics, 2012, 31, 229-236.	2.5	6
45	Organic visible light communications: Recent progress. , 2014, , .		6
46	Self-correcting MIMO visible light communications system using localization. , 2015, , .		6
47	Bayesian model for mobility prediction to support routing in Mobile Ad-Hoc Networks. , 2013, , .		4
48	Investigation into Using Compensation for the Nonlinear Effects of the Output of LEDs in Visible Light Communication Systems. , 2019, , .		4
49	A gigabit/s indoor optical wireless system for Home Access Networks. , 2010, , .		3
50	LiCompass: Extracting orientation from polarized light. , 2017, , .		3
51	Investigation of WDM VLC Using Standard 5 mm RGB LEDs. , 2018, , .		3
52	Investigation of imperfect control pulse effect on performance of the all-optical pulse-position-modulation routing scheme. , 2011, , .		2
53	Comparative Study of Image Processing Performance of Camera-Based Visible Light Communication Using Android Acceleration Frameworks. , 2018, , .		2
54	An Artificial Neural Network Equalizer for Constant Power 4-PAM in Optical Camera Communications. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
55	Simulation of All-Optical Routing Employing PPM-based Header Processing in Photonic Packet Switched Core Network. , 2006, , .		1
56	A 280Mbit/s infrared optical wireless communications system. Proceedings of SPIE, 2011, , .	0.8	1
57	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
58	Investigation of the impact of hop-count and node density on MANET's performance. , 2012, , .		0
59	BER evaluation/or 3×3 reconfigurable multiwavelength bidirectional optical cross-connect. , 2013, , .		0
60	High-capacity transmission combined fiber cable and optical wireless for self-healing in bridge damage situation. , 2014, , .		0
61	Guest Editorial: Special Issue on Optical&Wireless Communications. IET Optoelectronics, 2015, 9, 169-171.	3.3	0