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Concurrent illumination and communication: A survey on Visible Light Communication

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#	Paper	IF	Citations
25	6G Wireless Systems: A Vision, Architectural Elements, and Future Directions. <i>IEEE Access</i> , 2020 , 8, 147029-147044	3.5	147044
24	A New Equalizer Structure for High-Speed Optical Links Based on Carrierless Amplitude and Phase Modulation. 2020 ,		
23	Carrierless amplitude and phase modulation in wireless visible light communication systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190187	1	5
22	Illuminance Sensing in Agriculture Applications Based on Infra-Red Short-Range Compact Transmitter Using 0.35 μm CMOS Active Device. <i>IEEE Access</i> , 2020 , 8, 18149-18161	3.5	0
21	Challenges and Opportunities of VLC Application in Intelligent Transportation Systems. <i>Advances in Information Quality and Management</i> , 2021 , 1051-1064	0.1	
20	Smart lighting systems: state-of-the-art and potential applications in warehouse order picking. <i>International Journal of Production Research</i> , 2021 , 59, 3817-3839	7.8	15
19	The LoRa-Modulation Technique Applied to Outdoor Visible Light Communication Links. 2021 ,		
18	Enhanced three-lane vehicle visible light communication system. <i>Optical and Quantum Electronics</i> , 2021 , 53, 1	2.4	
17	Uniformity improvement on received optical power for an indoor visible light communication system with an angle diversity receiver. <i>Applied Optics</i> , 2021 , 60, 8031-8037	1.7	0
16	On Energy Efficiency of Visible Light Communication Systems. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 6396-6407	5.6	5
15	A Survey of Channel Modeling Techniques for Visible Light Communications. <i>Journal of Network and Computer Applications</i> , 2021 , 194, 103206	7.9	5
14	The Evolution of Optical OFDM. <i>IEEE Communications Surveys and Tutorials</i> , 2021 , 23, 1430-1457	37.1	15
13	Optimized design of the light source for an indoor visible light communication system based on an improved bat algorithm. <i>Applied Optics</i> , 2020 , 59, 10638-10644	1.7	4
12	Threshold detection and slot clustering algorithms in DPIM-VLC systems. <i>Optik</i> , 2021 , 248, 168085	2.5	0
11	Content triggering system using tricolor LED strips and Optical Camera Communication in Rolling Shutter mode. 2021 ,		0
10	Semantic Modeling of a VLC-Enabled Task Automation Platform for Smart Offices. <i>Electronics (Switzerland)</i> , 2022 , 11, 326	2.6	
9	Short range electromagnetic interface using 0.35 μm CMOS blocks for temperature monitoring in isolated areas. <i>Journal of Advanced Research</i> , 2022 ,	13	

8	Theoretical and Experimental Analysis of LED Lamp for Visible Light Communications. <i>Wireless Personal Communications</i> ,	1.9	0
7	Performance analysis of novel precoding matrix techniques for optical OFDM-based visible light communication systems. <i>Optics and Laser Technology</i> , 2022 , 154, 108293	4.2	1
6	A brief survey on 6G communications. <i>Wireless Networks</i> ,	2.5	0
5	A survey on the integration of visible light communication with power line communication: Conception, applications and research challenges. <i>Optik</i> , 2022 , 266, 169582	2.5	0
4	Optical Wireless Hybrid VLC/OCC System Based on a Single Centralized LED. 2022 ,		0
3	Experimental analysis of received power for OOK-NRZ visible light communication system using off-the-shelf components.		0
2	Synchronization in Power-Efficient DST-based ACO-OFDM-VLC Systems. 2021 ,		0
1	Performance Analysis of a Long-Range MIMO VLC System for Indoor IoT. 2022 , 1-1		0