Xiaobin Sun

List of Publications by Year
in descending order

20 papers	814 citations	759055 12 h-index	887953 17 g-index
20 all docs	20 docs citations	20 times ranked	791 citing authors

#	Article	IF	Citations
1	High-speed colour-converting photodetector with all-inorganic CsPbBr3 perovskite nanocrystals for ultraviolet light communication. Light: Science and Applications, 2019, 8, 94.	7.7	225
2	A Review on Practical Considerations and Solutions in Underwater Wireless Optical Communication. Journal of Lightwave Technology, 2020, 38, 421-431.	2.7	126
3	Light based underwater wireless communications. Japanese Journal of Applied Physics, 2018, 57, 08PA06.	0.8	89
4	71-Mbit/s ultraviolet-B LED communication link based on 8-QAM-OFDM modulation. Optics Express, 2017, 25, 23267.	1.7	54
5	375-nm ultraviolet-laser based non-line-of-sight underwater optical communication. Optics Express, 2018, 26, 12870.	1.7	50
6	On the realization of across wavy water-air-interface diffuse-line-of-sight communication based on an ultraviolet emitter. Optics Express, 2019, 27, 19635.	1.7	42
7	Non-line-of-sight methodology for high-speed wireless optical communication in highly turbid water. Optics Communications, 2020, 461, 125264.	1.0	34
8	Survey of energy-autonomous solar cell receivers for satelliteâ€“airâ€“groundâ€“ocean optical wireless communication. Progress in Quantum Electronics, 2020, 74, 100300.	3.5	32
9	Field Demonstrations of Wide-Beam Optical Communications Through Waterâ€“Air Interface. IEEE Access, 2020, 8, 160480-160489.	2.6	31
10	Toward self-powered and reliable visible light communication using amorphous silicon thin-film solar cells. Optics Express, 2019, 27, 34542.	1.7	27
11	480-nm distributed-feedback InGaN laser diode for 10.5-Gbit/s visible-light communication. Optics Letters, 2020, 45, 742.	1.7	26
12	AquaE-lite Hybrid-Solar-Cell Receiver-Modality for Energy-Autonomous Terrestrial and Underwater Internet-of-Things. IEEE Photonics Journal, 2020, 12, 1-13.	1.0	20
13	Going beyond 10-meter, Gbit/s underwater optical wireless communication links based on visible lasers. , 2017, , .		13
14	Scintillations of RGB laser beams in weak temperature and salinity-induced oceanic turbulence. , 2018, , .		13
15	Diffused-Line-of-Sight Communication for Mobile and Fixed Underwater Nodes. IEEE Photonics Journal, 2020, 12, 1-13.	1.0	11
16	Tunable Violet Laser Diode System for Optical Wireless Communication. IEEE Photonics Technology Letters, 2020, 32, 546-549.	1.3	8
17	Spectrally Resolved Characterization of Thermally Induced Underwater Turbulence Using a Broadband White-Light Interrogator. IEEE Photonics Journal, 2019, 11, 1-9.	1.0	6
18	Visible diode lasers for high bitrate underwater wireless optical communications. , 2019, , .		3

#	Article	IF	Citations
19	Giant clam inspired high-speed photo-conversion for ultraviolet optical wireless communication. Optical Materials Express, 2021, 11, 1515.	1.6	2
20	Reduction of the beam pointing error for improved free-space optical communication link performance. IFAC Journal of Systems and Control, 2021, 16, 100154.	1.1	2