

# Xiaobin Sun

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Giant clam inspired high-speed photo-conversion for ultraviolet optical wireless communication. <i>Optical Materials Express</i> , 2021, 11, 1515.	1.6	2
2	Reduction of the beam pointing error for improved free-space optical communication link performance. <i>IFAC Journal of Systems and Control</i> , 2021, 16, 100154.	1.1	2
3	Non-line-of-sight methodology for high-speed wireless optical communication in highly turbid water. <i>Optics Communications</i> , 2020, 461, 125264.	1.0	34
4	A Review on Practical Considerations and Solutions in Underwater Wireless Optical Communication. <i>Journal of Lightwave Technology</i> , 2020, 38, 421-431.	2.7	126
5	Survey of energy-autonomous solar cell receivers for satellite-air-ground-ocean optical wireless communication. <i>Progress in Quantum Electronics</i> , 2020, 74, 100300.	3.5	32
6	Diffused-Line-of-Sight Communication for Mobile and Fixed Underwater Nodes. <i>IEEE Photonics Journal</i> , 2020, 12, 1-13.	1.0	11
7	AquaE-lite Hybrid-Solar-Cell Receiver-Modality for Energy-Autonomous Terrestrial and Underwater Internet-of-Things. <i>IEEE Photonics Journal</i> , 2020, 12, 1-13.	1.0	20
8	Field Demonstrations of Wide-Beam Optical Communications Through Water-Air Interface. <i>IEEE Access</i> , 2020, 8, 160480-160489.	2.6	31
9	Tunable Violet Laser Diode System for Optical Wireless Communication. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 546-549.	1.3	8
10	480-nm distributed-feedback InGaN laser diode for 10.5-Gbit/s visible-light communication. <i>Optics Letters</i> , 2020, 45, 742.	1.7	26
11	High-speed colour-converting photodetector with all-inorganic CsPbBr <sub>3</sub> perovskite nanocrystals for ultraviolet light communication. <i>Light: Science and Applications</i> , 2019, 8, 94.	7.7	225
12	Spectrally Resolved Characterization of Thermally Induced Underwater Turbulence Using a Broadband White-Light Interrogator. <i>IEEE Photonics Journal</i> , 2019, 11, 1-9.	1.0	6
13	On the realization of across wavy water-air-interface diffuse-line-of-sight communication based on an ultraviolet emitter. <i>Optics Express</i> , 2019, 27, 19635.	1.7	42
14	Toward self-powered and reliable visible light communication using amorphous silicon thin-film solar cells. <i>Optics Express</i> , 2019, 27, 34542.	1.7	27
15	Visible diode lasers for high bitrate underwater wireless optical communications. , 2019, , .		3
16	Scintillations of RGB laser beams in weak temperature and salinity-induced oceanic turbulence. , 2018, , .		13
17	375-nm ultraviolet-laser based non-line-of-sight underwater optical communication. <i>Optics Express</i> , 2018, 26, 12870.	1.7	50
18	Light based underwater wireless communications. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 08PA06.	0.8	89

#	ARTICLE	IF	CITATIONS
19	Going beyond 10-meter, Gbit/s underwater optical wireless communication links based on visible lasers. , 2017, , .		13
20	71-Mbit/s ultraviolet-B LED communication link based on 8-QAM-OFDM modulation. Optics Express, 2017, 25, 23267.	1.7	54