

Asghar Gholami

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

411
citations

840776

11
h-index

794594

19
g-index

30
all docs

30
docs citations

30
times ranked

399
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study of the turbulence effect on underwater optical wireless communications. Applied Optics, 2018, 57, 8314.	1.8	50
2	Modeling turbulence in underwater wireless optical communications based on Monte Carlo simulation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 1187.	1.5	47
3	An Asynchronous Adaptive Direct Kalman Filter Algorithm to Improve Underwater Navigation System Performance. IEEE Sensors Journal, 2017, 17, 1061-1068.	4.7	45
4	Experimental Investigation of Environment Effects on the FSO Link With Turbulence. IEEE Photonics Technology Letters, 2017, 29, 1435-1438.	2.5	33
5	Asynchronous direct Kalman filtering approach for underwater integrated navigation system. Nonlinear Dynamics, 2015, 80, 71-85.	5.2	32
6	Variational Bayesian adaptive Kalman filter for asynchronous multirate multi-sensor integrated navigation system. Ocean Engineering, 2019, 174, 108-116.	4.3	26
7	Physical Modeling of 10 GbE Optical Communication Systems. Journal of Lightwave Technology, 2011, 29, 115-123.	4.6	24
8	Experimental Demonstration of Vehicle to Road Side Infrastructure Visible Light Communications. , 2019, , .		20
9	Use of Gaussian beam divergence to compensate for misalignment of underwater wireless optical communication links. IET Optoelectronics, 2017, 11, 171-175.	3.3	19
10	A Complete Model for Underwater Optical Wireless Communications System. , 2018, , .		17
11	Multirate Adaptive Kalman Filter for Marine Integrated Navigation System. Journal of Navigation, 2017, 70, 628-647.	1.7	13
12	System parameters effect on the turbulent underwater optical wireless communications link. Optik, 2019, 198, 163153.	2.9	13
13	Improved Underwater Integrated Navigation System using Unscented Filtering Approach. Journal of Navigation, 2016, 69, 561-581.	1.7	12
14	Experimental investigation of scintillation effect on FSO channel. , 2016, , .		9
15	Fundamental Analysis of Vehicular Light Communications and the Mitigation of Sunlight Noise. IEEE Transactions on Vehicular Technology, 2021, 70, 5932-5943.	6.3	7
16	An Image Sensor Based Indoor VLP System. , 2018, , .		6
17	Investigation of a High-Power Low-Threshold Single-Mode Microsphere Laser Using a Serially Coupled Double Microsphere Structure. Journal of Lightwave Technology, 2019, 37, 3273-3279.	4.6	6
18	Experimental Investigation of the Photocapacitance Effect in Organic Heterojunction Devices. Transactions on Electrical and Electronic Materials, 2020, 21, 394-398.	1.9	5

#	ARTICLE	IF	CITATIONS
19	Modeling turbulence in underwater wireless optical communications based on Monte Carlo simulation: erratum. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2021, 38, 1130.	1.5	5
20	Investigation of a serially coupled double microsphere resonator to expand resonance frequency spacing of microsphere resonators. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 1993.	2.1	4
21	Investigation of the Scattering Noise in Underwater Optical Wireless Communications. Sci, 2021, 3, 27.	3.0	4
22	Investigation of a WDM M-QAM RoF-RoFSO System. , 2020, , .		3
23	Optimizing Optical Output Power of Single-Mode VCSELs Using Multiple Oxide Layers. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1701708-1701708.	2.9	2
24	The Channel Impulse Response of SIMO Underwater Optical Wireless Communication Link based on Monte Carlo Simulation. , 2019, , .		2
25	Investigation of Infrared Silicon-Organic Photodetectors. , 2019, , .		2
26	Thermal Effects of Laser-osteotomy on Bone: Mathematical Computation Using Maple. Journal of Medical Signals and Sensors, 2013, 3, 262-8.	1.0	2
27	Investigation of Serially Coupled Double Microsphere Sensor for Detection of Biomolecules. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7.	2.9	1
28	Special Issue on Light Communications: Latest Advances and Prospects. Applied Sciences (Switzerland), 2022, 12, 2349.	2.5	1
29	The effect of exposure time on the performance of an underwater optical camera communication system. , 2022, , .		1
30	Receiver Parameters Effect on Underwater Optical Wireless Communication Performance in the Presence of Transmitted Gaussian Beam. , 2018, , .		0