

Mahmoud A Gaafar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

192
citations

9
h-index

13
g-index

30
ext. papers

276
ext. citations

6.5
avg, IF

2.8
L-index

#	Paper	IF	Citations
19	Fourier optics with linearly tapered waveguides: Light trapping and focusing. <i>APL Photonics</i> , 2021 , 6, 066108	5.2	
18	Pulse time reversal and stopping by a refractive index front. <i>APL Photonics</i> , 2020 , 5, 080801	5.2	3
17	Front-induced transitions. <i>Nature Photonics</i> , 2019 , 13, 737-748	33.9	15
16	Linear Schrödinger equation with temporal evolution for front induced transitions. <i>Optics Express</i> , 2019 , 27, 21273-21284	3.3	8
15	Free-carrier detection in a silicon slab via absorption measurement in 2D integrating cells. <i>Optics Letters</i> , 2019 , 44, 175-178	3	0
14	Reflection from a free carrier front via an intraband indirect photonic transition. <i>Nature Communications</i> , 2018 , 9, 1447	17.4	12
13	Free Carrier Front Induced Indirect Photonic Transitions: A New Paradigm for Frequency Manipulation on Chip. <i>ACS Photonics</i> , 2017 , 4, 2751-2758	6.3	10
12	TiN Nanoparticles for Enhanced THz Generation in TDS Systems. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2017 , 38, 1206-1214	2.2	7
11	A serially-connected two-chip VECSEL for dual-wavelength emission with high intracavity power 2016 ,		1
10	Mode-locked semiconductor disk lasers. <i>Advances in Optics and Photonics</i> , 2016 , 8, 370	16.7	39
9	Dual-Wavelength Emission From a Serially Connected Two-Chip VECSEL. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 927-929	2.2	14
8	Self-mode-locked vertical-external-cavity surface-emitting laser 2016 ,		2
7	Recent advances in the field of vertical-external-cavity surface-emitting lasers 2015 ,		1
6	High-Power Operation of Quantum-Dot Semiconductor Disk Laser at 1180 nm. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 1128-1131	2.2	9
5	High-Power Quantum-Dot Vertical-External-Cavity Surface-Emitting Laser Exceeding 8 W. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 1561-1564	2.2	16
4	Self-mode-locked quantum-dot vertical-external-cavity surface-emitting laser. <i>Optics Letters</i> , 2014 , 39, 4623-6	3	24
3	Self-mode-locking semiconductor disk laser. <i>Optics Express</i> , 2014 , 22, 28390-9	3.3	31

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|---|---|-----|---|
| 2 | Effect of microwave irradiation on parametric resonance in intrinsic Josephson junctions. <i>Physica C: Superconductivity and Its Applications</i> , 2013 , 491, 56-58 | 1.3 | o |
| 1 | Simulation of Shapiro Steps in Current-Voltage Characteristics of Intrinsic Josephson Junctions in High Temperature Superconductors. <i>Lecture Notes in Computer Science</i> , 2012 , 221-226 | 0.9 | o |