

Mahmoud A Gaafar

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

326
citations

933410

10
h-index

839512

18
g-index

30
all docs

30
docs citations

30
times ranked

230
citing authors

#	ARTICLE	IF	CITATIONS
1	Mode-locked semiconductor disk lasers. <i>Advances in Optics and Photonics</i> , 2016, 8, 370.	25.5	58
2	Self-mode-locking semiconductor disk laser. <i>Optics Express</i> , 2014, 22, 28390.	3.4	46
3	Front-induced transitions. <i>Nature Photonics</i> , 2019, 13, 737-748.	31.4	43
4	Self-mode-locked quantum-dot vertical-external-cavity surface-emitting laser. <i>Optics Letters</i> , 2014, 39, 4623.	3.3	35
5	Dual-Wavelength Emission From a Serially Connected Two-Chip VECSEL. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 927-929.	2.5	21
6	Reflection from a free carrier front via an intraband indirect photonic transition. <i>Nature Communications</i> , 2018, 9, 1447.	12.8	20
7	High-Power Quantum-Dot Vertical-External-Cavity Surface-Emitting Laser Exceeding 8 W. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1561-1564.	2.5	19
8	Free Carrier Front Induced Indirect Photonic Transitions: A New Paradigm for Frequency Manipulation on Chip. <i>ACS Photonics</i> , 2017, 4, 2751-2758.	6.6	18
9	Linear Schrödinger equation with temporal evolution for front induced transitions. <i>Optics Express</i> , 2019, 27, 21273.	3.4	14
10	High-Power Operation of Quantum-Dot Semiconductor Disk Laser at 1180 nm. <i>IEEE Photonics Technology Letters</i> , 2015, 27, 1128-1131.	2.5	13
11	TiN Nanoparticles for Enhanced THz Generation in TDS Systems. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2017, 38, 1206-1214.	2.2	10
12	Pulse time reversal and stopping by a refractive index front. <i>APL Photonics</i> , 2020, 5, 080801.	5.7	9
13	Self-mode-locked vertical-external-cavity surface-emitting laser. <i>Proceedings of SPIE</i> , 2016, , .	0.8	5
14	Indirect transitions at a free carrier front in a silicon slow light waveguide. , 2018, , .		4
15	Transmission and reflection from a free carrier front in a silicon slow light waveguide. , 2017, , .		3
16	Recent advances in the field of vertical-external-cavity surface-emitting lasers. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
17	Effect of microwave irradiation on parametric resonance in intrinsic Josephson junctions. <i>Physica C: Superconductivity and Its Applications</i> , 2013, 491, 56-58.	1.2	1
18	A serially-connected two-chip VECSEL for dual-wavelength emission with high intracavity power. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1

#	ARTICLE	IF	CITATIONS
19	Simulation of Shapiro Steps in Current-Voltage Characteristics of Intrinsic Josephson Junctions in High Temperature Superconductors. Lecture Notes in Computer Science, 2012, , 221-226.	1.3	1
20	Free-carrier detection in a silicon slab via absorption measurement in 2D integrating cells. Optics Letters, 2019, 44, 175.	3.3	1
21	Front-induced intraband indirect photonic transition in slow-light waveguide. , 2019, , .		1
22	Linear Schrödinger equation with temporal evolution for front-induced indirect transitions in highly dispersive waveguides. , 2019, , .		1
23	Self-mode-locked semiconductor disk lasers. , 2016, , .		0
24	A serially-connected two-chip VECSEL for dual-wavelength emission. , 2016, , .		0
25	Correction to "Free Carrier Front Induced Indirect Photonic Transitions: A New Paradigm for Frequency Manipulation on Chip. ACS Photonics, 2018, 5, 2969-2969.	6.6	0
26	Self-mode-locking and nonlinear lensing in VECSELs. , 2018, , .		0
27	Light stopping by reflection from a moving index front. , 2021, , .		0
28	Time lens induced by optical pushbroom effect. , 2021, , .		0
29	Fourier optics with linearly tapered waveguides: Light trapping and focusing. APL Photonics, 2021, 6, 066108.	5.7	0