

Ronghui Lin

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

480
citations

932766

10
h-index

887659

17
g-index

18
all docs

18
docs citations

18
times ranked

710
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering of multiple bound states in the continuum by latent representation of freeform structures. <i>Photonics Research</i> , 2021, 9, B96.	3.4	12
2	Lattice-matched III-nitride structures comprising BAlN, B GaN, and AlGaN for ultraviolet applications. <i>Materials Research Express</i> , 2021, 8, 086202.	0.8	6
3	Low Resistance Asymmetric III-Nitride Tunnel Junctions Designed by Machine Learning. <i>Nanomaterials</i> , 2021, 11, 2466.	1.9	4
4	Thermal Simulation and Sonoporation Experiment Based on a Focused Ultrasonic System. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 739, 012037.	0.3	0
5	Analysis of Tapered Nanopillars for Reflective Metalens: The Role of Higher-Order Modes. <i>IEEE Photonics Journal</i> , 2020, 12, 1-7.	1.0	4
6	Numerical Simulation and Experiment of a MEMS Ultrasonic Cavitation Model. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 739, 012036.	0.3	1
7	On-Chip Hyperuniform Lasers for Controllable Transitions in Disordered Systems. <i>Laser and Photonics Reviews</i> , 2020, 14, 1800296.	4.4	10
8	Inverse design of plasmonic metasurfaces by convolutional neural network. <i>Optics Letters</i> , 2020, 45, 1362.	1.7	53
9	Multifocal metalens based on multilayer Pancharatnam Berry phase elements architecture. <i>Optics Letters</i> , 2019, 44, 2819.	1.7	51
10	Surface-Passivated AlGaIn Nanowires for Enhanced Luminescence of Ultraviolet Light Emitting Diodes. <i>ACS Photonics</i> , 2018, 5, 964-970.	3.2	67
11	Induction-heating MOCVD reactor with significantly improved heating efficiency and reduced harmful magnetic coupling. <i>Journal of Crystal Growth</i> , 2018, 488, 16-22.	0.7	7
12	Using Mosaicity to Tune Thermal Transport in Polycrystalline Aluminum Nitride Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20085-20094.	4.0	15
13	Tapering-induced enhancement of light extraction efficiency of nanowire deep ultraviolet LED by theoretical simulations. <i>Photonics Research</i> , 2018, 6, 457.	3.4	27
14	Lateral Polarity Structure of AlGaIn Quantum Wells: A Promising Approach to Enhancing the Ultraviolet Luminescence. <i>Advanced Functional Materials</i> , 2018, 28, 1802395.	7.8	51
15	Graded-Index Separate Confinement Heterostructure AlGaIn Nanowires: Toward Ultraviolet Laser Diodes Implementation. <i>ACS Photonics</i> , 2018, 5, 3305-3314.	3.2	54
16	Valence and conduction band offsets of $\text{In}_2\text{O}_3/\text{Ga}_2\text{O}_3/\text{AlN}$ heterojunction. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	75
17	Fabrication of size controllable SU-8 nanochannels using nanoimprint lithography and low-pressure thermal bonding methods. <i>Micro and Nano Letters</i> , 2014, 9, 105-108.	0.6	9
18	Identifying individual n- and p-type ZnO nanowires by the output voltage sign of piezoelectric nanogenerator. <i>Nanotechnology</i> , 2009, 20, 365703.	1.3	34