

Maximilian Zapf

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

171
citations

1307594

7
h-index

1125743

13
g-index

16
all docs

16
docs citations

16
times ranked

390
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning nanowire lasers via hybridization with two-dimensional materials. <i>Nanoscale</i> , 2022, 14, 6822-6829.	5.6	2
2	Role of free-carrier interaction in strong-field excitations in semiconductors. <i>Physical Review B</i> , 2021, 104, .	3.2	1
3	Polarization Dependent Excitation and High Harmonic Generation from Intense Mid-IR Laser Pulses in ZnO. <i>Nanomaterials</i> , 2021, 11, 4.	4.1	9
4	Polarization dependent multiphoton absorption in ZnO thin films. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 055102.	2.8	6
5	Photoluminescence of ZnO/ZnMgO heterostructure nanobelts grown by MBE. <i>Nanotechnology</i> , 2020, 31, 135604.	2.6	11
6	Hot electrons in a nanowire hard X-ray detector. <i>Nature Communications</i> , 2020, 11, 4729.	12.8	4
7	In-Operando Nanoscale X-ray Analysis Revealing the Local Electrical Properties of Rubidium-Enriched Grain Boundaries in $\text{Cu}(\text{In,Ga})\text{Se}_2$ Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57117-57123.	8.0	7
8	Grayscale Nanopatterning of Phase-Change Materials for Subwavelength-Scaled, Inherently Planar, Nonvolatile, and Reconfigurable Optical Devices. <i>ACS Applied Nano Materials</i> , 2020, 3, 4486-4493.	5.0	7
9	Transition Metal and Rare Earth Element Doped Zinc Oxide Nanowires for Optoelectronics. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800604.	1.5	30
10	Strong Light-Field Driven Nanolasers. <i>Nano Letters</i> , 2019, 19, 3563-3568.	9.1	4
11	Tailoring Spectral and Temporal Properties of Semiconductor Nanowire Lasers. <i>Advanced Optical Materials</i> , 2019, 7, 1900504.	7.3	9
12	Single nanowire defined emission properties of ZnO nanowire arrays. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 295101.	2.8	4
13	Overall Distribution of Rubidium in Highly Efficient $\text{Cu}(\text{In,Ga})\text{Se}_2$ Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40592-40598.	8.0	44
14	Paramagnetic, NIR luminescent Nd^{3+} and Gd^{3+} doped fluorapatite as contrast agent for multimodal biomedical imaging. <i>Journal of the American Ceramic Society</i> , 2018, 101, 4441-4446.	3.8	2
15	Dynamical Tuning of Nanowire Lasing Spectra. <i>Nano Letters</i> , 2017, 17, 6637-6643.	9.1	19
16	High temperature limit of semiconductor nanowire lasers. <i>Applied Physics Letters</i> , 2017, 110, 173103.	3.3	12