

Giti A Khodaparast

List of Publications by Year in descending order

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31
papers

471
citations

933447

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h-index

713466

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35
all docs

35
docs citations

35
times ranked

814
citing authors

#	ARTICLE	IF	CITATIONS
1	Ambient-Air-Stable Lead-Free CsSn ₃ Solar Cells with Greater than 7.5% Efficiency. Journal of the American Chemical Society, 2021, 143, 4319-4328.	13.7	105
2	Ultrafast magneto-optics in ferromagnetic III-V semiconductors. Journal of Physics Condensed Matter, 2006, 18, R501-R530.	1.8	85
3	Highly-Stable Organo-Lead Halide Perovskites Synthesized Through Green Self-Assembly Process. Solar Rrl, 2018, 2, 1800052.	5.8	56
4	Enhanced piezoluminescence in non-stoichiometric ZnS:Cu microparticle based light emitting elastomers. Journal of Materials Chemistry C, 2017, 5, 5387-5394.	5.5	27
5	Nanoscale Texturing and Interfaces in Compositionally Modified Ca ₃ Co ₄ O ₉ with Enhanced Thermoelectric Performance. ACS Omega, 2018, 3, 10798-10810.	3.5	27
6	<i>In situ</i> grown Ge in an arsenic-free environment for GaAs/Ge/GaAs heterostructures on off-oriented (100) GaAs substrates using molecular beam epitaxy. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2012, 30, .	1.2	21
7	Growth, structural, and electrical properties of germanium-on-silicon heterostructure by molecular beam epitaxy. AIP Advances, 2017, 7, .	1.3	20
8	Near-Infrared laser delivery of nanoparticles to developing embryos: A study of efficacy and viability. Biotechnology Journal, 2011, 6, 519-524.	3.5	17
9	Soft phonon mode dynamics in Aurivillius-type structures. Physical Review B, 2017, 96, .	3.2	17
10	Experimental measurements of effective mass in near-surface InAs quantum wells. Physical Review B, 2020, 101, .	3.2	13
11	Room temperature ferromagnetic resonance in hetero-epitaxial BTO/BFO/LSMO magnetoelectric composite. AIP Advances, 2018, 8, .	1.3	12
12	Growth and characterization of metamorphic InAs/GaSb tunnel heterojunction on GaAs by molecular beam epitaxy. Journal of Applied Physics, 2016, 119, .	2.5	9
13	Coherent acoustic phonons and ultrafast carrier dynamics in hetero-epitaxial BaTiO ₃ -BiFeO ₃ films and nanorods. Journal of Materials Chemistry C, 2019, 7, 14212-14222.	5.5	9
14	Photoluminescence study of non-polar m-plane InGaN and nearly strain-balanced InGaN/AlGaN superlattices. Journal of Applied Physics, 2020, 127, .	2.5	9
15	Sintering Temperature-Dependent Chemical Defects and the Effect on the Electrical Resistivity of Thermoelectric ZnO. Energy Harvesting and Systems, 2014, 1, 113-119.	2.7	8
16	The permittivity and refractive index measurements of doped barium titanate (BT-BCN). Optical Materials, 2017, 73, 793-798.	3.6	7
17	Ultrafast Anisotropic Optical Response and Coherent Acoustic Phonon Generation in Polycrystalline BaTiO ₃ -BiFeO ₃ . Energy Harvesting and Systems, 2016, 3, 229-236.	2.7	5
18	Critical Role of Polystyrene Layer on Plasmonic Silver Nanoplates in Organic Photovoltaics. ACS Applied Energy Materials, 2019, 2, 2475-2485.	5.1	4

#	ARTICLE	IF	CITATIONS
19	Role of Sintering Atmosphere and Synthesis Parameters on Electrical Conductivity of ZnO. Energy Harvesting and Systems, 2015, 2, .	2.7	3
20	Ultrafast magneto-optical spectroscopy of BiFeO ₃ -BaTiO ₃ based structures. Proceedings of SPIE, 2015, , .	0.8	3
21	Structural and optical properties of sulfur passivated epitaxial step-graded GaAs _{1-y} Sb _y materials. AIP Advances, 2018, 8, 115119.	1.3	2
22	Magnetic field enhanced detection of coherent phonons in a GaMnAs/GaAs film. Physical Review B, 2020, 102, .	3.2	2
23	Electronic and optical properties of highly boron-doped epitaxial Ge/AlAs(001) heterostructures. Journal of Applied Physics, 2020, 127, 075702.	2.5	2
24	Probe of the excitonic transitions and lifetimes in quasi-2D organic-inorganic halide perovskites. AIP Advances, 2022, 12, .	1.3	2
25	Carrier Dynamics in Parabolic InSb Based Multi Quantum Wells. , 2011, , .		1
26	Enhanced Thermoelectric Performance in PbTe-PbS Nanocomposites. Energy Harvesting and Systems, 2015, 2, 55-62.	2.7	1
27	Photoluminescence Study of Carrier Localization and Recombination in Nearly Strain-Balanced Nonpolar InGaN/AlGaIn Quantum Wells. Physica Status Solidi (B): Basic Research, 0, , 2100569.	1.5	1
28	Near-infrared laser cellular ablation and development in Xenopus laevis embryos. Journal of Laser Applications, 2016, 28, 012009.	1.7	0
29	Optical properties of Pb _{0.52} Zr _{0.48} TiO ₃ nanorod arrays: second harmonic generation and multiphoton carrier dynamics. JPhys Photonics, 2021, 3, 034012.	4.6	0
30	Second harmonic generation in multiferroic BaTiO ₃ -BiFeO ₃ film and nanorod arrays grown on Si substrate. , 2022, , .		0
31	Novel nitride quantum structures for infrared sensing. , 2022, , .		0