

Arivazhagan V

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

413
citations

1040056

9
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

656
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient and highly light stable planar perovskite solar cells with graphene quantum dots doped PCBM electron transport layer. <i>Nano Energy</i> , 2017, 40, 345-351.	16.0	101
2	In-situ synthesis of Co ₃ O ₄ /graphite nanocomposite for high-performance supercapacitor electrode applications. <i>Applied Surface Science</i> , 2017, 403, 578-583.	6.1	62
3	Impact of thickness on vacuum deposited PbSe thin films. <i>Vacuum</i> , 2012, 86, 1092-1096.	3.5	50
4	A ternary organic electron transport layer for efficient and photostable perovskite solar cells under full spectrum illumination. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5566-5573.	10.3	35
5	Wetting behaviors and applications of metal-catalyzed CVD grown graphene. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22437-22464.	10.3	33
6	CH ₃ NH ₃ PbBr ₃ Quantum Dot-Induced Nucleation for High Performance Perovskite Light-Emitting Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22320-22328.	8.0	32
7	All-vacuum deposited and thermally stable perovskite solar cells with F4-TCNQ/CuPc hole transport layer. <i>Nanotechnology</i> , 2020, 31, 065401.	2.6	14
8	Interface engineering of C60/ fluorine doped tin oxide on the photovoltaic performance of perovskite solar cells using the physical vapor deposition technique. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 225104.	2.8	13
9	Complementary NIR absorption of ZnSe induced by multiple PbSe submonolayers by vacuum deposition technique. <i>Vacuum</i> , 2014, 99, 95-98.	3.5	10
10	Atomic resolution imaging of beryl: an investigation of the nano-εchannel occupation. <i>Journal of Microscopy</i> , 2017, 265, 245-250.	1.8	9
11	Quantum confinement in two dimensional layers of PbSe/ZnSe multiple quantum well structures. <i>Applied Physics Letters</i> , 2013, 102, 242110.	3.3	7
12	Structural and optical properties of ZnSe thin films stacked with PbSe submonolayers. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 1773-1778.	2.3	7
13	Indoor light harvesting lead-free 2-aminothiazolium bismuth iodide solar cells. <i>Sustainable Energy and Fuels</i> , 2022, 6, 3179-3186.	4.9	7
14	Investigation of the quantum well width on the size effect of PbSe/ZnSe multiple quantum well structures by non-epitaxial growth. <i>Journal of Alloys and Compounds</i> , 2013, 577, 431-435.	5.5	6
15	Quantum size effect on cubic PbTe nanocrystals embedded in amorphous InSe thin film matrix. <i>Superlattices and Microstructures</i> , 2014, 75, 901-907.	3.1	6
16	Impact of barrier thickness on the strain effect in ZnSe/ZnS multiple quantum well structure. <i>Superlattices and Microstructures</i> , 2013, 59, 40-46.	3.1	5
17	Study on the formation of PbSe nanoclusters at the interfaces of PbSe/ZnSe multiple quantum well structure. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 53, 120-123.	2.7	5
18	Mesocrystal TiO ₂ films: <i>in situ</i> topotactic transformation and application in dye-sensitised solar cells. <i>Sustainable Energy and Fuels</i> , 2022, 6, 502-511.	4.9	5

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19	Quantum confinement of PbSe nanocrystals embedded in a spacer ZnSe matrix for solar cell applications. <i>Solar Energy</i> , 2014, 106, 38-42.	6.1	4
20	Observation on array of PbTe nanocrystals embedded in amorphous InSe multiple quantum wells. <i>Vacuum</i> , 2014, 109, 120-123.	3.5	1
21	Quantum size effect on the layer by layer assembly of PbTe/InSe multilayer nanocomposite structures. <i>Journal of Alloys and Compounds</i> , 2015, 646, 96-100.	5.5	1
22	Crystallization of amorphous InSe matrix in PbTe/InSe multilayer nanocomposite structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 13613-13619.	2.2	0
23	Effect of strain in PbSe/ZnTe stacked layers prepared by thermal evaporation method. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 7041-7047.	2.2	0