

Jayeeta Lahiri

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,767
citations

567281

15
h-index

677142

22
g-index

27
all docs

27
docs citations

27
times ranked

5282
citing authors

#	ARTICLE	IF	CITATIONS
1	An extended defect in graphene as a metallic wire. <i>Nature Nanotechnology</i> , 2010, 5, 326-329.	31.5	909
2	Spin-orbit proximity effect in graphene. <i>Nature Communications</i> , 2014, 5, 4875.	12.8	431
3	Interface Formation in Monolayer Graphene-Boron Nitride Heterostructures. <i>Nano Letters</i> , 2012, 12, 4869-4874.	9.1	256
4	Photocatalytic Degradation of Methyl Orange over Single Crystalline ZnO: Orientation Dependence of Photoactivity and Photostability of ZnO. <i>Langmuir</i> , 2009, 25, 3310-3315.	3.5	219
5	Scalable Synthesis of Uniform Few-Layer Hexagonal Boron Nitride Dielectric Films. <i>Nano Letters</i> , 2013, 13, 276-281.	9.1	186
6	Chemical Vapor Deposition and Etching of High-Quality Monolayer Hexagonal Boron Nitride Films. <i>ACS Nano</i> , 2011, 5, 7303-7309.	14.6	183
7	Graphene Growth on Ni(111) by Transformation of a Surface Carbide. <i>Nano Letters</i> , 2011, 11, 518-522.	9.1	182
8	Graphene growth and stability at nickel surfaces. <i>New Journal of Physics</i> , 2011, 13, 025001.	2.9	107
9	Surface Functionalization of ZnO Photocatalysts with Monolayer ZnS. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4304-4307.	3.1	93
10	Graphene destruction by metal-carbide formation: An approach for patterning of metal-supported graphene. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	37
11	Soft x-ray photoemission of clean and sulfur-covered polar ZnO surfaces: A view of the stabilization of polar oxide surfaces. <i>Physical Review B</i> , 2008, 78, .	3.2	32
12	Label-Free Fluorometric Detection of Adulterant Malachite Green Using Carbon Dots Derived from the Medicinal Plant Source <i>Ocimum tenuiflorum</i> . <i>ChemistrySelect</i> , 2019, 4, 4839-4847.	1.5	25
13	Modification of Active Sites on YSZ(111) by Yttria Segregation. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5990-5996.	3.1	18
14	Large Area Few-Layer Hexagonal Boron Nitride as a Raman Enhancement Material. <i>Nanomaterials</i> , 2021, 11, 622.	4.1	17
15	Ferroelectric liquid crystal nanocomposites: recent development and future perspective. <i>Liquid Crystals Reviews</i> , 2018, 6, 143-169.	4.1	16
16	Growth and properties of solvothermally derived CZTSe nanocrystals using elemental precursors. <i>Physica B: Condensed Matter</i> , 2018, 545, 262-267.	2.7	12
17	Templating of arrays of Ru nanoclusters by monolayer graphene/Ru Moirés with different periodicities. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 314201.	1.8	11
18	Carbon Quantum Dot as Electron Transporting Layer in Organic Light Emitting Diode. <i>ChemistrySelect</i> , 2019, 4, 7450-7454.	1.5	11

#	ARTICLE	IF	CITATIONS
19	Improved photovoltaic performance of CdTe-based solar cells: Roles of using a hole-blocking layer and nanoscale imaging of barrier height at interfaces. <i>Solar Energy</i> , 2021, 215, 1-11.	6.1	8
20	Synthesis and characterization of novel protein nanodots as drug delivery carriers with an enhanced biological efficacy of melatonin in breast cancer cells. <i>RSC Advances</i> , 2021, 11, 9076-9085.	3.6	7
21	Substrate roughness and crystal orientation-controlled growth of ultra-thin BN films deposited on Cu foils. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, .	2.3	4
22	Resistive switching behaviour of amorphous silicon carbide thin films fabricated by a single composite magnetron sputter deposition method. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	2
23	An extended defect in graphene as a metallic wire. , 0, .		1
24	Characterization of Self-Assembled Protein Scaffolds from Collagen-Mimetic Peptides. <i>Methods in Molecular Biology</i> , 2018, 1798, 223-237.	0.9	0
25	The Queen of Carbon!. <i>Resonance</i> , 2019, 24, 263-272.	0.3	0
26	Electric Field Induced Dissociation of SiC Thin Films Leading to the Formation of Nanocrystalline Graphite. <i>Electronic Materials Letters</i> , 2020, 16, 231-238.	2.2	0
27	Synthesis and physical characterization of magnetron sputtered Graphene-CdS bilayer. <i>Materials Research Express</i> , 2021, 8, 055003.	1.6	0