

Jyoti Prakash Kar

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

735
citations

687220

13
h-index

839398

18
g-index

20
all docs

20
docs citations

20
times ranked

1175
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication and Characterization of ZnO Single Nanowire-Based Hydrogen Sensor. Journal of Physical Chemistry C, 2010, 114, 1689-1693.	1.5	150
2	ZnO single nanowire-based UV detectors. Applied Physics Letters, 2010, 97, .	1.5	111
3	Biomimetic hierarchical ZnO structure with superhydrophobic and antireflective properties. Journal of Colloid and Interface Science, 2010, 350, 344-347.	5.0	76
4	A multifunctional nanoporous layer created on glass through a simple alkali corrosion process. Journal of Materials Chemistry, 2010, 20, 10246.	6.7	67
5	Junction properties of Au/ZnO single nanowire Schottky diode. Applied Physics Letters, 2010, 96, .	1.5	59
6	Fabrication of p-type ZnO nanowires based heterojunction diode. Materials Chemistry and Physics, 2010, 121, 472-476.	2.0	54
7	Fabrication and characterization of p-Si nanowires/ZnO film heterojunction diode. Solid-State Electronics, 2010, 54, 1582-1585.	0.8	39
8	Random network transistor arrays of embedded ZnO nanorods in ion-gel gate dielectric. Journal of Materials Chemistry, 2010, 20, 7393.	6.7	34
9	Programmable Direct-Printing Nanowire Electronic Components. Nano Letters, 2010, 10, 1016-1021.	4.5	27
10	Electrical Contact Tunable Direct Printing Route for a ZnO Nanowire Schottky Diode. Nano Letters, 2010, 10, 3517-3523.	4.5	23
11	Influence of surface morphology on the optical property of vertically aligned ZnO nanorods. Applied Physics Letters, 2009, 95, .	1.5	18
12	Origin of p-type conductivity for N-doped ZnO nanostructure synthesized by MOCVD method. Materials Letters, 2015, 161, 701-704.	1.3	18
13	One-Dimensional Semiconductor Nanostructure Based Thin-Film Partial Composite Formed by Transfer Implantation for High-Performance Flexible and Printable Electronics at Low Temperature. ACS Nano, 2011, 5, 159-164.	7.3	14
14	Fabrication of As-doped p-type ZnO thin film and ZnO nanowire inserted p-n homojunction structure. Applied Physics A: Materials Science and Processing, 2009, 97, 689-692.	1.1	12
15	Enhanced Performance of ZnO Nanocomposite Transistor by Simple Mechanical Compression. Journal of Physical Chemistry C, 2009, 113, 5010-5013.	1.5	11
16	Modulation of microstructural and electrical properties of rapid thermally synthesized MoS ₂ thin films by the flow of H ₂ gas. Superlattices and Microstructures, 2020, 145, 106598.	1.4	10
17	Performance Enhanced Carbon Nanotube Films by Mechanical Pressure for a Transparent Metal Oxide Thin Film Field Effect Transistor. Electrochemical and Solid-State Letters, 2011, 14, H76.	2.2	9
18	Fabrication and Characterization of Vertically Aligned Long ZnO Nanorods on Transparent Substrate. Journal of Nanoscience and Nanotechnology, 2011, 11, 2185-2190.	0.9	3

#	ARTICLE	IF	CITATIONS
19	Impact of H ₂ gas on the properties of MoS ₂ thin films deposited by sulfurization of Mo thin films. Micro and Nano Letters, 2021, 16, 525-532.	0.6	0
20	Variation in The Electronic and Microstructural Properties of Benzyl Viologen Treated MoS ₂ /Si Heterojunction. , 2021, , .		0