

Xing Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6040539/publications.pdf>

Version: 2024-02-01

19
papers

740
citations

566801

15
h-index

794141

19
g-index

19
all docs

19
docs citations

19
times ranked

1355
citing authors

#	ARTICLE	IF	CITATIONS
1	Design Principles for Photovoltaic Devices Based on Si Nanowires with Axial or Radial p-n Junctions. Nano Letters, 2012, 12, 6024-6029.	4.5	119
2	Doubling Absorption in Nanowire Solar Cells with Dielectric Shell Optical Antennas. Nano Letters, 2015, 15, 753-758.	4.5	109
3	Tunable negative permeability in an isotropic dielectric composite. Applied Physics Letters, 2008, 92, .	1.5	78
4	Folic acid-CdTe quantum dot conjugates and their applications for cancer cell targeting. Cancer Nanotechnology, 2010, 1, 19-28.	1.9	64
5	Encoding Abrupt and Uniform Dopant Profiles in Vapor-grown Liquid-solid Nanowires by Suppressing the Reservoir Effect of the Liquid Catalyst. ACS Nano, 2014, 8, 11790-11798.	7.3	46
6	Nanoparticle labelling-based magnetic immunoassay on chip combined with electrothermal vaporization - inductively coupled plasma mass spectrometry for the determination of carcinoembryonic antigen in human serum. Analyst, The, 2011, 136, 3934.	1.7	42
7	Horizontal Silicon Nanowires with Radial p-n Junctions: A Platform for Unconventional Solar Cells. Journal of Physical Chemistry Letters, 2013, 4, 2002-2009.	2.1	41
8	Capillarity-Driven Welding of Semiconductor Nanowires for Crystalline and Electrically Ohmic Junctions. Nano Letters, 2016, 16, 5241-5246.	4.5	36
9	Luminescence Decay Dynamics and Trace Biomaterials Detection Potential of Surface-Functionalized Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 17931-17939.	1.5	35
10	Interaction of porphyrins with CdTe quantum dots. Nanotechnology, 2011, 22, 195501.	1.3	34
11	Luminescence enhancement of CdTe nanostructures in LaF ₃ :Ce/CdTe nanocomposites. Journal of Applied Physics, 2010, 108, .	1.1	25
12	Diffusion of nanoparticles into the capsule and cortex of a crystalline lens. Nanotechnology, 2008, 19, 025102.	1.3	20
13	Luminescence and Energy Transfer in Water Soluble CeF ₃ and CeF ₃ :Tb Nanoparticles. Journal of Nanoscience and Nanotechnology, 2009, 9, 6283-6291.	0.9	18
14	Synthesis and luminescence of CePO ₄ :Tb/LaPO ₄ core/sheath nanowires. Nanotechnology, 2010, 21, 125604.	1.3	18
15	Electrochemical immunoassay of carcinoembryonic antigen based on a lead sulfide nanoparticle label. Nanotechnology, 2008, 19, 435501.	1.3	17
16	Enhancement of Light Absorption in Silicon Nanowire Photovoltaic Devices with Dielectric and Metallic Grating Structures. Nano Letters, 2017, 17, 7731-7736.	4.5	17
17	Differential modulation of the active site environment of human carbonic anhydrase XII by cationic quantum dots and polylysine. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 1376-1384.	1.1	8
18	Modulation of Ligand Binding Affinity of Tumorigenic Carbonic Anhydrase XII Upon Interaction with Cationic CdTe Quantum Dots. Journal of Biomedical Nanotechnology, 2008, 4, 491-498.	0.5	7

#	ARTICLE	IF	CITATIONS
19	Synthesis and Optical Properties of Sulfide Nanoparticles Prepared in Dimethylsulfoxide. Journal of Nanoscience and Nanotechnology, 2008, 8, 5646-5651.	0.9	6