

Xing Zhang

List of Publications by Year in descending order

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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	Enhancement of Light Absorption in Silicon Nanowire Photovoltaic Devices with Dielectric and Metallic Grating Structures. <i>Nano Letters</i> , 2017, 17, 7731-7736.	4.5	17
2	Capillarity-Driven Welding of Semiconductor Nanowires for Crystalline and Electrically Ohmic Junctions. <i>Nano Letters</i> , 2016, 16, 5241-5246.	4.5	36
3	Doubling Absorption in Nanowire Solar Cells with Dielectric Shell Optical Antennas. <i>Nano Letters</i> , 2015, 15, 753-758.	4.5	109
4	Encoding Abrupt and Uniform Dopant Profiles in Vapor-grown Liquid-Solid Nanowires by Suppressing the Reservoir Effect of the Liquid Catalyst. <i>ACS Nano</i> , 2014, 8, 11790-11798.	7.3	46
5	Horizontal Silicon Nanowires with Radial p-n Junctions: A Platform for Unconventional Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2002-2009.	2.1	41
6	Design Principles for Photovoltaic Devices Based on Si Nanowires with Axial or Radial p-n Junctions. <i>Nano Letters</i> , 2012, 12, 6024-6029.	4.5	119
7	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. <i>Analyst</i> , The, 2011, 136, 3934.	1.7	42
8	Interaction of porphyrins with CdTe quantum dots. <i>Nanotechnology</i> , 2011, 22, 195501.	1.3	34
9	Folic acid-CdTe quantum dot conjugates and their applications for cancer cell targeting. <i>Cancer Nanotechnology</i> , 2010, 1, 19-28.	1.9	64
10	Differential modulation of the active site environment of human carbonic anhydrase XII by cationic quantum dots and polylysine. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 1376-1384.	1.1	8
11	Synthesis and luminescence of CePO ₄ :Tb/LaPO ₄ core/sheath nanowires. <i>Nanotechnology</i> , 2010, 21, 125604.	1.3	18
12	Luminescence enhancement of CdTe nanostructures in LaF ₃ :Ce/CdTe nanocomposites. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	25
13	Luminescence and Energy Transfer in Water Soluble CeF ₃ and CeF ₃ :Tb ³⁺ Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6283-6291.	0.9	18
14	Electrochemical immunoassay of carcinoembryonic antigen based on a lead sulfide nanoparticle label. <i>Nanotechnology</i> , 2008, 19, 435501.	1.3	17
15	Luminescence Decay Dynamics and Trace Biomaterials Detection Potential of Surface-Functionalized Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 17931-17939.	1.5	35
16	Synthesis and Optical Properties of Sulfide Nanoparticles Prepared in Dimethylsulfoxide. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 5646-5651.	0.9	6
17	Diffusion of nanoparticles into the capsule and cortex of a crystalline lens. <i>Nanotechnology</i> , 2008, 19, 025102.	1.3	20
18	Tunable negative permeability in an isotropic dielectric composite. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	78

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19	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