

Minhua Zhao

List of Publications by Year in descending order

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21
papers

1,439
citations

516710

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713466

21
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docs citations

21
times ranked

2432
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezoelectric Characterization of Individual Zinc Oxide Nanobelt Probed by Piezoresponse Force Microscope. <i>Nano Letters</i> , 2004, 4, 587-590.	9.1	649
2	Labeling and Intracellular Tracking of Functionally Active Plasmid DNA with Semiconductor Quantum Dots. <i>Molecular Therapy</i> , 2006, 14, 192-201.	8.2	121
3	Material-length-scale-controlled nanoindentation size effects due to strain-gradient plasticity. <i>Acta Materialia</i> , 2003, 51, 4461-4469.	7.9	103
4	Porous CuO@ZnO nanocomposite for sensing electrode of high-temperature CO solid-state electrochemical sensor. <i>Nanotechnology</i> , 2005, 16, 2878-2881.	2.6	79
5	Nanoscale mechanical behavior of individual semiconducting nanobelts. <i>Applied Physics Letters</i> , 2003, 83, 993-995.	3.3	78
6	Effect of N ₂ flow rate on morphology and structure of ZnO nanocrystals synthesized via vapor deposition. <i>Scripta Materialia</i> , 2005, 52, 63-67.	5.2	61
7	Subsurface characterization of carbon nanotubes in polymer composites via quantitative electric force microscopy. <i>Nanotechnology</i> , 2010, 21, 225702.	2.6	46
8	Impact of UV irradiation on multiwall carbon nanotubes in nanocomposites: Formation of entangled surface layer and mechanisms of release resistance. <i>Carbon</i> , 2017, 116, 191-200.	10.3	43
9	Water-Soluble DNA-Wrapped Single-Walled Carbon-Nanotube/Quantum-Dot Complexes. <i>Small</i> , 2009, 5, 2149-2155.	10.0	38
10	Ultrasharp and high aspect ratio carbon nanotube atomic force microscopy probes for enhanced surface potential imaging. <i>Nanotechnology</i> , 2008, 19, 235704.	2.6	34
11	Crystalline orientation dependence of nanomechanical properties of Pb(Zr _{0.52} Ti _{0.48})O ₃ thin films. <i>Applied Physics Letters</i> , 2005, 86, 162903.	3.3	33
12	Electrochemical impedance spectroscopy study of Ni/MH batteries. <i>Journal of Alloys and Compounds</i> , 1999, 293-295, 814-820.	5.5	26
13	Rate- and depth-dependent nanomechanical behavior of individual living Chinese hamster ovary cells probed by atomic force microscopy. <i>Journal of Materials Research</i> , 2006, 21, 1906-1912.	2.6	24
14	Control of Length and Spatial Functionality of Single-Wall Carbon Nanotube AFM Nanoprobes. <i>Chemistry of Materials</i> , 2008, 20, 2793-2801.	6.7	21
15	Impedance Characterization of ZnO Nanobelt/Pd Schottky Contacts in Ammonia. <i>Small</i> , 2006, 2, 1458-1461.	10.0	17
16	Critical role of particle/polymer interface in photostability of nano-filled polymeric coatings. <i>Journal of Coatings Technology Research</i> , 2012, 9, 251-267.	2.5	17
17	Probing nano-scale mechanical characteristics of individual semi-conducting nanobelts. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 409, 223-226.	5.6	16
18	New insights into subsurface imaging of carbon nanotubes in polymer composites via scanning electron microscopy. <i>Nanotechnology</i> , 2015, 26, 085703.	2.6	15

#	ARTICLE	IF	CITATIONS
19	The effects of humidity and surface free energy on adhesion force between atomic force microscopy tip and a silane self-assembled monolayer film. <i>Journal of Materials Research</i> , 2010, 25, 556-562.	2.6	11
20	Effect of Strain Gradients and Heterogeneity on Flow Strength of Particle Reinforced Metal-Matrix Composites. <i>Journal of Engineering Materials and Technology</i> , Transactions of the ASME, 2002, 124, 167-173.	1.4	6
21	Nanomechanical Characterization on Zinc and Tin Oxides Nanobelts. <i>Materials Research Society Symposia Proceedings</i> , 2002, 740, 1.	0.1	1