

Paromita Kundu

List of Publications by Year in descending order

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21
papers

1,064
citations

567281

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713466

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docs citations

23
times ranked

2003
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Microwave-Assisted Route to Surfactant-Free Ultrafine Pt Nanoparticles on Graphene: Synergistic Co-reduction Mechanism and High Catalytic Activity. <i>Chemistry of Materials</i> , 2011, 23, 2772-2780.	6.7	257
2	Nanoscale ZnO/CdS heterostructures with engineered interfaces for high photocatalytic activity under solar radiation. <i>Journal of Materials Chemistry</i> , 2011, 21, 4209.	6.7	141
3	Mechanistic Aspects of Shape Selection and Symmetry Breaking during Nanostructure Growth by Wet Chemical Methods. <i>Journal of Physical Chemistry C</i> , 2009, 113, 16866-16883.	3.1	131
4	Thermally Controlled Cyclic Insertion/Ejection of Dopant Ions and Reversible Zinc Blende/Wurtzite Phase Changes in ZnS Nanostructures. <i>Journal of the American Chemical Society</i> , 2011, 133, 1666-1669.	13.7	96
5	New Insights into Selective Heterogeneous Nucleation of Metal Nanoparticles on Oxides by Microwave-Assisted Reduction: Rapid Synthesis of High-Activity Supported Catalysts. <i>ACS Nano</i> , 2011, 5, 8049-8061.	14.6	81
6	Predicting the growth of two-dimensional nanostructures. <i>Nanotechnology</i> , 2008, 19, 195603.	2.6	48
7	Symmetry and shape issues in nanostructure growth. <i>Journal of Materials Chemistry</i> , 2010, 20, 4763.	6.7	42
8	Insulating State and Breakdown of Fermi Liquid Description in Molecular-Scale Single-Crystalline Wires of Gold. <i>ACS Nano</i> , 2011, 5, 8398-8403.	14.6	36
9	Nanoscale Heterostructures with Molecular-Scale Single-Crystal Metal Wires. <i>Journal of the American Chemical Society</i> , 2010, 132, 20-21.	13.7	34
10	Tunability of Electronic States in Ultrathin Gold Nanowires. <i>Advanced Materials</i> , 2013, 25, 2486-2491.	21.0	32
11	ZnO@Au nanohybrids by rapid microwave-assisted synthesis for CO oxidation. <i>Dalton Transactions</i> , 2012, 41, 8762.	3.3	31
12	Atomic Structure of Quantum Gold Nanowires: Quantification of the Lattice Strain. <i>ACS Nano</i> , 2014, 8, 599-606.	14.6	26
13	Formation of two-dimensional structures by tuning the driving force of chemical reactions: An interpretation of kinetic control. <i>Journal of Colloid and Interface Science</i> , 2009, 330, 211-219.	9.4	19
14	Pristine, adherent ultrathin gold nanowires on substrates and between pre-defined contacts via a wet chemical route. <i>Nanoscale</i> , 2012, 4, 433-437.	5.6	16
15	Au ₂ S _x /CdS Nanorods by Cation Exchange: Mechanistic Insights into the Competition Between Cation Exchange and Metal Ion Reduction. <i>Small</i> , 2014, 10, 3895-3900.	10.0	16
16	Directed Synthesis of Rocksalt AuCl Crystals. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5349-5351.	3.1	13
17	Existing and emerging strategies for the synthesis of nanoscale heterostructures. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 19256.	2.8	11
18	Formation and Thermal Stability of Gold@Silica Nanohybrids: Insight into the Mechanism and Morphology by Electron Tomography. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3970-3974.	13.8	11

#	ARTICLE	IF	CITATIONS
19	Designing Diameter-Modulated Heterostructure Nanowires of PbTe/Te by Controlled Dewetting. Nano Letters, 2017, 17, 7226-7233.	9.1	11
20	Pristine nanomaterials: synthesis, stability and applications. Nanoscale, 2013, 5, 5215.	5.6	10
21	3D Au@SiO ₂ nanohybrids as a potential scaffold coating material for neuroengineering. RSC Advances, 2016, 6, 47948-47952.	3.6	2