Dongkyu Cha

List of Publications by Year in descending order

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23 papers	5,371 citations	304743 22 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	9295 citing authors

#	Article	IF	Citations
1	Colloidal-quantum-dot photovoltaics using atomic-ligand passivation. Nature Materials, 2011, 10, 765-771.	27.5	1,375
2	Substrate Dependent Self-Organization of Mesoporous Cobalt Oxide Nanowires with Remarkable Pseudocapacitance. Nano Letters, 2012, 12, 2559-2567.	9.1	778
3	Highâ€Surfaceâ€Area Silica Nanospheres (KCCâ€1) with a Fibrous Morphology. Angewandte Chemie - International Edition, 2010, 49, 9652-9656.	13.8	641
4	Vertically Aligned Ta₃N₅ Nanorod Arrays for Solarâ€Driven Photoelectrochemical Water Splitting. Advanced Materials, 2013, 25, 125-131.	21.0	363
5	Cobalt phosphate-modified barium-doped tantalum nitride nanorod photoanode with 1.5% solar energy conversion efficiency. Nature Communications, 2013, 4, 2566.	12.8	306
6	High performance supercapacitors using metal oxide anchored graphene nanosheet electrodes. Journal of Materials Chemistry, 2011, 21, 16197.	6.7	280
7	Enhanced Rate Performance of Mesoporous Co₃O₄Nanosheet Supercapacitor Electrodes by Hydrous RuO₂Nanoparticle Decoration. ACS Applied Materials & Interfaces, 2014, 6, 4196-4206.	8.0	226
8	Tungsten Carbide Nanoparticles as Efficient Cocatalysts for Photocatalytic Overall Water Splitting. ChemSusChem, 2013, 6, 168-181.	6.8	190
9	Fibrous Nanoâ€Silica (KCCâ€1)â€Supported Palladium Catalyst: Suzuki Coupling Reactions Under Sustainable Conditions. ChemSusChem, 2012, 5, 85-89.	6.8	174
10	Nanostructured Ternary Electrodes for Energyâ€Storage Applications. Advanced Energy Materials, 2012, 2, 381-389.	19.5	170
11	Fibrous Nano-Silica Supported Ruthenium (KCC-1/Ru): A Sustainable Catalyst for the Hydrogenolysis of Alkanes with Good Catalytic Activity and Lifetime. ACS Catalysis, 2012, 2, 1425-1431.	11.2	159
12	Highly Transparent and UV-Resistant Superhydrophobic SiO₂-Coated ZnO Nanorod Arrays. ACS Applied Materials & Interfaces, 2014, 6, 2219-2223.	8.0	128
13	Efficient inverted bulk-heterojunction solar cells from low-temperature processing of amorphous ZnO buffer layers. Journal of Materials Chemistry A, 2014, 2, 13321.	10.3	113
14	Electrochemical Energy Storage Devices Using Electrodes Incorporating Carbon Nanocoils and Metal Oxides Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 14392-14399.	3.1	101
15	Effect of Solvent Environment on Colloidalâ€Quantumâ€Dot Solarâ€Cell Manufacturability and Performance. Advanced Materials, 2014, 26, 4717-4723.	21.0	86
16	Titanium Nitride Nanoparticle Electrocatalysts for Oxygen Reduction Reaction in Alkaline Solution. Journal of the Electrochemical Society, 2013, 160, F501-F506.	2.9	35
17	Synthesis of hierarchical anatase TiO2 nanostructures with tunable morphology and enhanced photocatalytic activity. RSC Advances, 2012, 2, 7048.	3.6	34
18	Nanoroses of Nickel Oxides: Synthesis, Electron Tomography Study, and Application in CO Oxidation and Energy Storage. ChemSusChem, 2012, 5, 1241-1248.	6.8	30

#	Article	IF	Citations
19	Sizeâ€•and Shapeâ€Controlled Synthesis of Hexagonal Bipyramidal Crystals and Hollow Selfâ€Assembled Alâ€MOF Spheres. ChemSusChem, 2014, 7, 529-535.	6.8	30
20	Lattice dynamics and substrate-dependent transport properties of (In, Yb)-doped CoSb3 skutterudite thin films. Journal of Applied Physics, 2011, 110, 083710.	2.5	25
21	Influence of calcination temperature on the morphology and energy storage properties of cobalt oxide nanostructures directly grown over carbon cloth substrates. Materials for Renewable and Sustainable Energy, 2013, 2, 1.	3.6	24
22	Fabrication and Characterization of High-Mobility Solution-Based Chalcogenide Thin-Film Transistors. IEEE Transactions on Electron Devices, 2013, 60, 327-332.	3.0	16
23	Development of FeNiMoB thin film materials for microfabricated magnetoelastic sensors. Journal of Applied Physics, 2012, 112, .	2.5	12