

Dongkyu Cha

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

5,371
citations

304743

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610901

24
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24
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docs citations

24
times ranked

9295
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Solvent Environment on Colloidal Quantum Dot Solar Cell Manufacturability and Performance. <i>Advanced Materials</i> , 2014, 26, 4717-4723.	21.0	86
2	Enhanced Rate Performance of Mesoporous Co ₃ O ₄ Nanosheet Supercapacitor Electrodes by Hydrrous RuO ₂ Nanoparticle Decoration. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4196-4206.	8.0	226
3	Highly Transparent and UV-Resistant Superhydrophobic SiO ₂ -Coated ZnO Nanorod Arrays. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 2219-2223.	8.0	128
4	Size and Shape Controlled Synthesis of Hexagonal Bipyramidal Crystals and Hollow Self-Assembled Al-MOF Spheres. <i>ChemSusChem</i> , 2014, 7, 529-535.	6.8	30
5	Efficient inverted bulk-heterojunction solar cells from low-temperature processing of amorphous ZnO buffer layers. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13321.	10.3	113
6	Cobalt phosphate-modified barium-doped tantalum nitride nanorod photoanode with 1.5% solar energy conversion efficiency. <i>Nature Communications</i> , 2013, 4, 2566.	12.8	306
7	Tungsten Carbide Nanoparticles as Efficient Cocatalysts for Photocatalytic Overall Water Splitting. <i>ChemSusChem</i> , 2013, 6, 168-181.	6.8	190
8	Fabrication and Characterization of High-Mobility Solution-Based Chalcogenide Thin-Film Transistors. <i>IEEE Transactions on Electron Devices</i> , 2013, 60, 327-332.	3.0	16
9	Influence of calcination temperature on the morphology and energy storage properties of cobalt oxide nanostructures directly grown over carbon cloth substrates. <i>Materials for Renewable and Sustainable Energy</i> , 2013, 2, 1.	3.6	24
10	Titanium Nitride Nanoparticle Electrocatalysts for Oxygen Reduction Reaction in Alkaline Solution. <i>Journal of the Electrochemical Society</i> , 2013, 160, F501-F506.	2.9	35
11	Vertically Aligned Ta ₃ N ₅ Nanorod Arrays for Solar-Driven Photoelectrochemical Water Splitting. <i>Advanced Materials</i> , 2013, 25, 125-131.	21.0	363
12	Substrate Dependent Self-Organization of Mesoporous Cobalt Oxide Nanowires with Remarkable Pseudocapacitance. <i>Nano Letters</i> , 2012, 12, 2559-2567.	9.1	778
13	Development of FeNiMoB thin film materials for microfabricated magnetoelastic sensors. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	12
14	Fibrous Nano-Silica Supported Ruthenium (KCC-1/Ru): A Sustainable Catalyst for the Hydrogenolysis of Alkanes with Good Catalytic Activity and Lifetime. <i>ACS Catalysis</i> , 2012, 2, 1425-1431.	11.2	159
15	Synthesis of hierarchical anatase TiO ₂ nanostructures with tunable morphology and enhanced photocatalytic activity. <i>RSC Advances</i> , 2012, 2, 7048.	3.6	34
16	Nanostructured Ternary Electrodes for Energy Storage Applications. <i>Advanced Energy Materials</i> , 2012, 2, 381-389.	19.5	170
17	Nanoroses of Nickel Oxides: Synthesis, Electron Tomography Study, and Application in CO Oxidation and Energy Storage. <i>ChemSusChem</i> , 2012, 5, 1241-1248.	6.8	30
18	Fibrous Nano-Silica (KCC-1)-Supported Palladium Catalyst: Suzuki Coupling Reactions Under Sustainable Conditions. <i>ChemSusChem</i> , 2012, 5, 85-89.	6.8	174

#	ARTICLE	IF	CITATIONS
19	Electrochemical Energy Storage Devices Using Electrodes Incorporating Carbon Nanocoils and Metal Oxides Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14392-14399.	3.1	101
20	High performance supercapacitors using metal oxide anchored graphene nanosheet electrodes. <i>Journal of Materials Chemistry</i> , 2011, 21, 16197.	6.7	280
21	Colloidal-quantum-dot photovoltaics using atomic-ligand passivation. <i>Nature Materials</i> , 2011, 10, 765-771.	27.5	1,375
22	Lattice dynamics and substrate-dependent transport properties of (In, Yb)-doped CoSb ₃ skutterudite thin films. <i>Journal of Applied Physics</i> , 2011, 110, 083710.	2.5	25
23	High Surface Area Silica Nanospheres (KCC-1) with a Fibrous Morphology. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9652-9656.	13.8	641