Haitao Zhang

List of Publications by Year
in descending order

22 papers	1,249 citations	430442 18 h-index	642321 23 g-index
23 all docs	23 docs citations	23 times ranked	2591 citing authors

#	Article	IF	Citations
1	Nanomaterial datasets to advance tomography in scanning transmission electron microscopy. Scientific Data, 2016, 3, 160041.	2.4	42
2	Colloidal Synthesis of PbS and PbS/CdS Nanosheets Using Acetate-Free Precursors. Chemistry of Materials, 2016, 28, 127-134.	3.2	51
3	Tuning of Coupling and Surface Quality of PbS Nanocrystals via a Combined Ammonium Sulfide and Iodine Treatment. Journal of Physical Chemistry Letters, 2016, 7, 642-646.	2.1	15
4	A General Method for High-Performance Li-Ion Battery Electrodes from Colloidal Nanoparticles without the Introduction of Binders or Conductive-Carbon Additives: The Cases of MnS, Cu_{2â€“x}S, and Ge. ACS Applied Materials & Interfaces, 2015, 7, 25053-25060.	4.0	41
5	Nanocluster seed-mediated synthesis of CuInS₂ quantum dots, nanodisks, nanorods, and doped Zn-CuInGaS₂ quantum dots. Journal of Materials Chemistry C, 2015, 3, 1044-1055.	2.7	41
6	Highly Conductive Cu_{2â€“x}S Nanoparticle Films through Room-Temperature Processing and an Order of Magnitude Enhancement of Conductivity via Electrophoretic Deposition. ACS Applied Materials & Interfaces, 2014, 6, 18911-18920.	4.0	46
7	Sub-10 nm monodisperse PbS cubes by post-synthesis shape engineering. Physical Chemistry Chemical Physics, 2014, 16, 14640-14643.	1.3	10
8	(NH4)2S, a highly reactive molecular precursor for low temperature anion exchange reactions in nanoparticles. Dalton Transactions, 2013, 42, 12596.	1.6	33
9	Defining Crystalline/Amorphous Phases of Nanoparticles through X-ray Absorption Spectroscopy and X-ray Diffraction: The Case of Nickel Phosphide. Chemistry of Materials, 2013, 25, 2394-2403.	3.2	101
10	Unintended Phosphorus Doping of Nickel Nanoparticles during Synthesis with TOP: A Discovery through Structural Analysis. Nano Letters, 2012, 12, 4530-4539.	4.5	81
11	A Generic Method for Rational Scalable Synthesis of Monodisperse Metal Sulfide Nanocrystals. Nano Letters, 2012, 12, 5856-5860.	4.5	86
12	The structural evolution and diffusion during the chemical transformation from cobalt to cobalt phosphide nanoparticles. Journal of Materials Chemistry, 2011, 21, 11498.	6.7	136
13	Controlled Synthesis of Uniform Cobalt Phosphide Hyperbranched Nanocrystals Using Tri-n-octylphosphine Oxide as a Phosphorus Source. Nano Letters, 2011, 11, 188-197.	4.5	110
14	Surfactant Ligand Removal and Rational Fabrication of Inorganically Connected Quantum Dots. Nano Letters, 2011, 11, 5356-5361.	4.5	199
15	Fluorinated tetraolate: Prospective ligand for the synthesis of polymetallic complexes. Dalton Transactions, 2010, 39, 2484.	1.6	5
16	New Class of Single-Source Precursors for the Synthesis of Main Groupâ^'Transition Metal Oxides: Heterobimetallic Pbâ^'Mn Î²-Diketonates. Inorganic Chemistry, 2009, 48, 8480-8488.	1.9	37
17	Bismuthâ^'Palladium Heterometallic Carboxylate as a Single-Source Precursor for the Carbon-Supported Pdâ^'Bi/C Catalysts. Inorganic Chemistry, 2009, 48, 6152-6158.	1.9	28
18	Mn(III) Hexafluoroacetylacetonate as an Oxidative Agent in the Synthesis of Heterobimetallic Î²-Diketonates. Journal of Cluster Science, 2008, 19, 311-321.	1.7	17

#	ARTICLE	IF	CITATIONS
19	Fluorinated Î²-Diketonates of the First Row Divalent Transition Metals: New Approach to the Synthesis of Unsolvated Species. Inorganic Chemistry, 2008, 47, 10046-10052.	1.9	29
20	Metal-Site-Controlled Arene Coordination in a Heterobimetallic Biâˆ'Rh Complex with Pyrene. Organometallics, 2008, 27, 3728-3735.	1.1	23
21	From a Bismuth Oxido Diketonate to a Giant Bismuth Oxido Cluster. Angewandte Chemie - International Edition, 2006, 45, 5448-5451.	7.2	44
22	Heterometallic Bismuth-Transition Metal Homoleptic Î²-Diketonates. Journal of the American Chemical Society, 2005, 127, 6156-6157.	6.6	64