

# Haitao Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4782482/publications.pdf>

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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	Surfactant Ligand Removal and Rational Fabrication of Inorganically Connected Quantum Dots. <i>Nano Letters</i> , 2011, 11, 5356-5361.	4.5	199
2	The structural evolution and diffusion during the chemical transformation from cobalt to cobalt phosphide nanoparticles. <i>Journal of Materials Chemistry</i> , 2011, 21, 11498.	6.7	136
3	Controlled Synthesis of Uniform Cobalt Phosphide Hyperbranched Nanocrystals Using Tri- <i>n</i> -octylphosphine Oxide as a Phosphorus Source. <i>Nano Letters</i> , 2011, 11, 188-197.	4.5	110
4	Defining Crystalline/Amorphous Phases of Nanoparticles through X-ray Absorption Spectroscopy and X-ray Diffraction: The Case of Nickel Phosphide. <i>Chemistry of Materials</i> , 2013, 25, 2394-2403.	3.2	101
5	A Generic Method for Rational Scalable Synthesis of Monodisperse Metal Sulfide Nanocrystals. <i>Nano Letters</i> , 2012, 12, 5856-5860.	4.5	86
6	Unintended Phosphorus Doping of Nickel Nanoparticles during Synthesis with TOP: A Discovery through Structural Analysis. <i>Nano Letters</i> , 2012, 12, 4530-4539.	4.5	81
7	Heterometallic Bismuth-Transition Metal Homoleptic $\hat{\text{I}}^2$ -Diketonates. <i>Journal of the American Chemical Society</i> , 2005, 127, 6156-6157.	6.6	64
8	Colloidal Synthesis of PbS and PbS/CdS Nanosheets Using Acetate-Free Precursors. <i>Chemistry of Materials</i> , 2016, 28, 127-134.	3.2	51
9	Highly Conductive $\text{Cu}_2\text{S}$ Nanoparticle Films through Room-Temperature Processing and an Order of Magnitude Enhancement of Conductivity via Electrophoretic Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 18911-18920.	4.0	46
10	From a Bismuth Oxido Diketonate to a Giant Bismuth Oxido Cluster. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5448-5451.	7.2	44
11	Nanomaterial datasets to advance tomography in scanning transmission electron microscopy. <i>Scientific Data</i> , 2016, 3, 160041.	2.4	42
12	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, $\text{Cu}_2\text{S}$ , and Ge. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 25053-25060.	4.0	41
13	Nanocluster seed-mediated synthesis of $\text{CuInS}_2$ quantum dots, nanodisks, nanorods, and doped $\text{Zn-CuInGaS}_2$ quantum dots. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1044-1055.	2.7	41
14	New Class of Single-Source Precursors for the Synthesis of Main Group $\hat{\text{A}}^{\text{II}}$ -Transition Metal Oxides: Heterobimetallic $\text{Pb}^{\text{II}}\text{Mn}^{\text{II}}$ -Diketonates. <i>Inorganic Chemistry</i> , 2009, 48, 8480-8488.	1.9	37
15	$(\text{NH}_4)_2\text{S}$ , a highly reactive molecular precursor for low temperature anion exchange reactions in nanoparticles. <i>Dalton Transactions</i> , 2013, 42, 12596.	1.6	33
16	Fluorinated $\hat{\text{I}}^2$ -Diketonates of the First Row Divalent Transition Metals: New Approach to the Synthesis of Unsolvated Species. <i>Inorganic Chemistry</i> , 2008, 47, 10046-10052.	1.9	29
17	Bismuth $\hat{\text{A}}^{\text{II}}$ -Palladium Heterometallic Carboxylate as a Single-Source Precursor for the Carbon-Supported $\text{Pd}^{\text{II}}\text{Bi}/\text{C}$ Catalysts. <i>Inorganic Chemistry</i> , 2009, 48, 6152-6158.	1.9	28
18	Metal-Site-Controlled Arene Coordination in a Heterobimetallic $\text{Bi}^{\text{II}}\text{Rh}$ Complex with Pyrene. <i>Organometallics</i> , 2008, 27, 3728-3735.	1.1	23

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19	Mn(III) Hexafluoroacetylacetonate as an Oxidative Agent in the Synthesis of Heterobimetallic $\mu^2$ -Diketonates. <i>Journal of Cluster Science</i> , 2008, 19, 311-321.	1.7	17
20	Tuning of Coupling and Surface Quality of PbS Nanocrystals via a Combined Ammonium Sulfide and Iodine Treatment. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 642-646.	2.1	15
21	Sub-10 nm monodisperse PbS cubes by post-synthesis shape engineering. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 14640-14643.	1.3	10
22	Fluorinated tetraolate: Prospective ligand for the synthesis of polymetallic complexes. <i>Dalton Transactions</i> , 2010, 39, 2484.	1.6	5