

Haitao Zhu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

2,332
citations

21
h-index

48
g-index

52
ext. papers

2,631
ext. citations

4.9
avg, IF

4.99
L-index

#	Paper	IF	Citations
47	Improvement of the efficiency of volumetric solar steam generation by enhanced solar harvesting and energy management. <i>Renewable Energy</i> , 2022 , 183, 820-829	8.1	2
46	Novel nanofluid based efficient solar vaporization systems with applications in desalination and wastewater treatment. <i>Energy</i> , 2022 , 247, 123513	7.9	0
45	Performance evaluation of a co-production system of solar thermal power generation and seawater desalination. <i>Renewable Energy</i> , 2021 , 169, 1121-1133	8.1	9
44	Scalable and Flexible Electrospun Film for Daytime Subambient Radiative Cooling. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	12
43	Spray-freezing induced multidimensional morphology tuning of assembled spherical carbon for solar-driven steam generation. <i>Carbon</i> , 2020 , 162, 481-489	10.4	6
42	A hierarchical porous carbon supported Pd@Pd ₄ S heterostructure as an efficient catalytic material positive electrode for LiD ₂ batteries. <i>Journal of Power Sources</i> , 2020 , 451, 227738	8.9	20
41	Solar evaporation and electricity generation of porous carbonaceous membrane prepared by electrospinning and carbonization. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 215, 110591	6.4	14
40	Biomass Carbon Materials for Efficient Solar Steam Generation Prepared from Carbonized Enteromorpha Prolifera. <i>Energy Technology</i> , 2020 , 8, 1901215	3.5	17
39	Magnetic resonance imaging and photothermal conversion properties of Gd-C nanocomposites for interstitial lymphography. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020 , 108, 638-646	3.5	
38	Ag@Ag ₂ S heterostructures for photothermal conversion and solar energy harvesting. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 95, 273-280	5.3	8
37	Carbonized daikon for high efficient solar steam generation. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 191, 83-90	6.4	106
36	Complementary optical absorption and enhanced solar thermal conversion of CuO-ATO nanofluids. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 162, 83-92	6.4	73
35	Broad-band absorption and photo-thermal conversion properties of zirconium carbide aqueous nanofluids. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 80, 286-292	5.3	33
34	Broadband absorption and enhanced photothermal conversion property of octopod-like Ag@Ag ₂ S core@shell structures with gradually varying shell thickness. <i>Scientific Reports</i> , 2017 , 7, 17782	4.9	20
33	Oleophobicity of Chitosan/Micron-alumina-Coated Stainless Steel Mesh for Oil/Water Separation. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	5
32	Optical Absorption and Photo-Thermal Conversion Properties of CuO/H ₂ O Nanofluids. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 3178-81	1.3	11
31	Photo-Thermal Conversion of Copper Sulfide Hollow Structures with Different Shape and Thickness. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 3191-5	1.3	8

30	Multilayer Three-Dimensional Structure Made of Modified Stainless Steel Mesh for in Situ Continuous Separation of Spilled Oil. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 11838-11843	3.0	19
29	Continuous oil/water separation with surface modified sponge for cleanup of oil spills. <i>RSC Advances</i> , 2014 , 4, 53514-53519	3.7	49
28	Roles of polyacrylate dispersant in the synthesis of well-dispersed BaSO ₄ nanoparticles by simple precipitation. <i>Particuology</i> , 2014 , 14, 33-37	2.8	10
27	Oil sorbents with high sorption capacity, oil/water selectivity and reusability for oil spill cleanup. <i>Marine Pollution Bulletin</i> , 2014 , 84, 263-7	6.7	76
26	Facile Preparation and Characterization of Modified Polyurethane Sponge for Oil Absorption. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 20139-20144	3.9	47
25	Sacrificial Template Synthesis and Photothermal Conversion Enhancements of Hierarchical and Hollow CuInS ₂ Microspheres. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 9121-9128	3.8	37
24	Thermal Conductivities, Rheological Behaviors and Photothermal Properties of Ethylene Glycol-based Nanofluids Containing Carbon Black Nanoparticles. <i>Procedia Engineering</i> , 2012 , 36, 521-527		17
23	Carbon nanotube glycol nanofluids: Photo-thermal properties, thermal conductivities and rheological behavior. <i>Particuology</i> , 2012 , 10, 614-618	2.8	63
22	3D Flowerlike Copper Sulfide Nanostructures Synthesized from Copper (I) Oxide Hollow Microspheres. <i>Procedia Engineering</i> , 2012 , 36, 25-33		3
21	In situ doping of carbon and sulfur from multifunctional agents to TiO ₂ nanospheres in water/acetone mixed solvent. <i>Materials Research Bulletin</i> , 2012 , 47, 3427-3431	5.1	2
20	3D Flowerlike Copper Sulfide Nanostructures Synthesized From Copper (I) oxide Hollow Microspheres. <i>Transactions of the Materials Research Society of Japan</i> , 2012 , 37, 119-122	0.2	1
19	Thermal Conductivities, Rheological Behaviors and Photo-thermal Properties of Ethylene Glycol-based Nanofluids Containing Carbon Black Nanoparticles. <i>Transactions of the Materials Research Society of Japan</i> , 2012 , 37, 111-114	0.2	
18	Evaluation of electrospun polyvinyl chloride/polystyrene fibers as sorbent materials for oil spill cleanup. <i>Environmental Science & Technology</i> , 2011 , 45, 4527-31	10.3	269
17	Room-temperature synthesis of (Ag,Cu) ₂ S hollow spheres by cation exchange and their optical properties. <i>Materials Chemistry and Physics</i> , 2011 , 127, 24-27	4.4	8
16	Thermal properties of carbon black aqueous nanofluids for solar absorption. <i>Nanoscale Research Letters</i> , 2011 , 6, 457	5	158
15	Preparation and thermal conductivity of CuO nanofluid via a wet chemical method. <i>Nanoscale Research Letters</i> , 2011 , 6, 181	5	74
14	Thermal Conductivity and Viscosity of Nanofluids Containing Chain-like Silver Clusters. <i>Current Nanoscience</i> , 2011 , 7, 813-818	1.4	2
13	Novel synthesis of bismuth tungstate hollow nanospheres in water-ethanol mixed solvent. <i>Chemical Communications</i> , 2010 , 46, 7250-2	5.8	45

12	Preparation, characterization, viscosity and thermal conductivity of CaCO ₃ aqueous nanofluids. <i>Science China Technological Sciences</i> , 2010 , 53, 360-368	3.5	57
11	CuS/Cu ₂ S nanofluids: Synthesis and thermal conductivity. <i>International Journal of Heat and Mass Transfer</i> , 2010 , 53, 1841-1843	4.9	23
10	CePO ₄ Nanofluids: Synthesis and Thermal Conductivity. <i>Journal of Thermophysics and Heat Transfer</i> , 2009 , 23, 219-222	1.3	17
9	Synthesis and thermal conductivity of Cu ₂ O nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2009 , 52, 4371-4374	4.9	104
8	Fast synthesis, formation mechanism, and control of shell thickness of CuS hollow spheres. <i>Inorganic Chemistry</i> , 2009 , 48, 7099-104	5.1	118
7	Fast Synthesis of Cu ₂ O Hollow Microspheres and Their Application in DNA Biosensor of Hepatitis B Virus. <i>Crystal Growth and Design</i> , 2009 , 9, 633-638	3.5	150
6	Critical Issues in Nanofluids Preparation, Characterization and Thermal Conductivity. <i>Current Nanoscience</i> , 2009 , 5, 103-112	1.4	113
5	Preparation and thermal conductivity of suspensions of graphite nanoparticles. <i>Carbon</i> , 2007 , 45, 226-228	5.4	121
4	Effects of nanoparticle clustering and alignment on thermal conductivities of Fe ₃ O ₄ aqueous nanofluids. <i>Applied Physics Letters</i> , 2006 , 89, 023123	3.4	249
3	Novel synthesis of copper nanoparticles: influence of the synthesis conditions on the particle size. <i>Nanotechnology</i> , 2005 , 16, 3079-3083	3.4	144
2	Structure Adjustment of Mesoporous ZrO ₂ Prepared with the Middle Phase Formed in Extraction Systems. <i>Solvent Extraction and Ion Exchange</i> , 2004 , 22, 885-895	2.5	3
1	Preparation of mesoporous ZrO ₂ with the middle phase formed in a trioctyl (or alkyl) phosphinic oxide-kerosene/HCl-ZrOCl ₂ extraction system. <i>Journal of Colloid and Interface Science</i> , 2003 , 265, 101-5	9.3	7