

De-Kun

List of Publications by Year in descending order

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68
papers

3,527
citations

136740

32
h-index

133063

59
g-index

68
all docs

68
docs citations

68
times ranked

5609
citing authors

#	ARTICLE	IF	CITATIONS
1	Chameleon-Inspired Brilliant and Sensitive Mechano-Chromic Photonic Skins for Self-Reporting the Strains of Earthworms. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11672-11680.	4.0	38
2	Vertical growth of SnS ₂ nanobelt arrays on CuSbS ₂ nanosheets for enhanced photocatalytic reduction of CO ₂ . <i>Chemical Communications</i> , 2021, 57, 10419-10422.	2.2	10
3	Dual active sites fabricated through atomic layer deposition of TiO ₂ on MoS ₂ nanosheet arrays for highly efficient electroreduction of CO ₂ to ethanol. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6790-6796.	5.2	22
4	Observation of 4th-order water oxidation kinetics by time-resolved photovoltage spectroscopy. <i>IScience</i> , 2021, 24, 103500.	1.9	8
5	Highly Efficient Detection of Homologues and Isomers by the Dynamic Swelling Reflection Spectrum. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45174-45183.	4.0	45
6	Highly efficient utilization of light and charge separation over a hematite photoanode achieved through a noncontact photonic crystal film for photoelectrochemical water splitting. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 20202-20211.	1.3	14
7	Oxygen vacancy engineering of Bi ₂ O ₂ CO ₃ hierarchical microspheres for enhanced adsorption of Cd ²⁺ ions and photocatalytic degradation of Rhodamine B. <i>Applied Surface Science</i> , 2020, 512, 145647.	3.1	36
8	Ag and N-doped graphene quantum dots co-modified CuBi ₂ O ₄ submicron rod photocathodes with enhanced photoelectrochemical activity. <i>Applied Surface Science</i> , 2019, 481, 661-668.	3.1	35
9	Carbon quantum dots/Zn ²⁺ ions doped-CdS nanowires with enhanced photocatalytic activity for reduction of 4-nitroaniline to p-phenylenediamine. <i>Applied Surface Science</i> , 2018, 450, 1-8.	3.1	56
10	Cu ₂ PO ₄ OH: Controlled synthesis of various architectures and morphology-dependent 808Ånm laser-driven photothermal performance. <i>Journal of Alloys and Compounds</i> , 2017, 695, 561-566.	2.8	4
11	BiVO ₄ hollow microplates: controlled synthesis and enhanced photocatalytic activity achieved through one-step boron doping and Co(OH) ₂ loading. <i>CrystEngComm</i> , 2017, 19, 6305-6313.	1.3	21
12	Multidimensional CdS nanowire/CdIn ₂ S ₄ nanosheet heterostructure for photocatalytic and photoelectrochemical applications. <i>Nano Research</i> , 2017, 10, 2699-2711.	5.8	85
13	Size control of SBA-15 by tuning the stirring speed for the formation of CMK-3 with distinct adsorption performance. <i>Nano Research</i> , 2016, 9, 2294-2302.	5.8	14
14	Indented Cu ₂ MoS ₄ nanosheets with enhanced electrocatalytic and photocatalytic activities realized through edge engineering. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6713-6721.	1.3	47
15	Concave Bi ₂ WO ₆ nanoplates with oxygen vacancies achieving enhanced electrocatalytic oxygen evolution in near-neutral water. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2438-2444.	5.2	96
16	PEGylated Cu ₃ BiS ₃ hollow nanospheres as a new photothermal agent for 980 nm-laser-driven photothermochemotherapy and a contrast agent for X-ray computed tomography imaging. <i>Nanoscale</i> , 2016, 8, 1374-1382.	2.8	52
17	Influence of Au Nanoparticle Shape on Au@Cu ₂ O Heterostructures. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-9.	1.5	4
18	Fe ₂ O ₃ -Modified Porous BiVO ₄ Nanoplates with Enhanced Photocatalytic Activity. <i>Nano-Micro Letters</i> , 2015, 7, 183-193.	14.4	52

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19	N, S co-doped carbon dots with orange luminescence synthesized through polymerization and carbonization reaction of amino acids. <i>Applied Surface Science</i> , 2015, 342, 136-143.	3.1	127
20	A Versatile Strategy for Shish-Kebab-like Multi-heterostructured Chalcogenides and Enhanced Photocatalytic Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2015, 137, 11004-11010.	6.6	95
21	Pd embedded in porous carbon (Pd@CMK-3) as an active catalyst for Suzuki reactions: Accelerating mass transfer to enhance the reaction rate. <i>Nano Research</i> , 2014, 7, 1254-1262.	5.8	23
22	TiO ₂ /Bi ₂ (BDC) ₃ /BiOCl nanoparticles decorated ultrathin nanosheets with excellent photocatalytic reaction activity and selectivity. <i>Materials Research Bulletin</i> , 2014, 60, 64-71.	2.7	24
23	N-doped carbon quantum dots for TiO ₂ -based photocatalysts and dye-sensitized solar cells. <i>Nano Energy</i> , 2013, 2, 545-552.	8.2	320
24	Various Bismuth Oxyiodide Hierarchical Architectures: Alcoholothermal-Controlled Synthesis, Photocatalytic Activities, and Adsorption Capabilities for Phosphate in Water. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 11927-11934.	4.0	157
25	Conversion of ternary Zn ₂ SnO ₄ octahedrons into binary mesoporous SnO ₂ and hollow SnS ₂ hierarchical octahedrons by template-mediated selective complex extraction. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5217.	5.2	27
26	Hierarchical BiOI and hollow Bi ₂ WO ₆ microspheres: Topochemical conversion and photocatalytic activities. <i>Materials Chemistry and Physics</i> , 2013, 140, 11-15.	2.0	32
27	Controlled synthesis of Eu ³⁺ -doped La ₂ O ₂ S nanophosphors by refluxing method. <i>Journal of Experimental Nanoscience</i> , 2013, 8, 434-441.	1.3	5
28	Size control of Au@Cu ₂ O octahedra for excellent photocatalytic performance. <i>Journal of Materials Chemistry</i> , 2012, 22, 719-724.	6.7	112
29	Controlled synthesis of orange-like LnBO ₃ :Eu ³⁺ (Ln = Y, Tb) mesocrystals via a facile organic additive-free hydrothermal route. <i>CrystEngComm</i> , 2012, 14, 2899.	1.3	16
30	One-pot synthesis of N-doped carbon dots with tunable luminescence properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 16714.	6.7	358
31	Controlled synthesis of olive-shaped Bi ₂ S ₃ /BiVO ₄ microspheres through a limited chemical conversion route and enhanced visible-light-responding photocatalytic activity. <i>Dalton Transactions</i> , 2012, 41, 5581.	1.6	146
32	Single-crystal NaY(MoO ₄) ₂ thin plates with dominant {001} facets for efficient photocatalytic degradation of dyes under visible light irradiation. <i>Chemical Communications</i> , 2011, 47, 8013.	2.2	46
33	From Hollow Olive-Shaped BiVO ₄ to n ⁺ p Core-Shell BiVO ₄ @Bi ₂ O ₃ Microspheres: Controlled Synthesis and Enhanced Visible-Light-Responsive Photocatalytic Properties. <i>Inorganic Chemistry</i> , 2011, 50, 800-805.	1.9	260
34	Synthesis, thermal stability, and photocatalytic activity of nanocrystalline titanium carbide. <i>Materials Research Bulletin</i> , 2011, 46, 1800-1803.	2.7	20
35	Eu(TTA) ₃ phen Nanobelts with Enhanced Luminescent Properties Prepared by Self-assembly. <i>Chemistry Letters</i> , 2010, 39, 886-887.	0.7	4
36	Controlled synthesis of single-crystal SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ nanosheets with long-lasting phosphorescence. <i>Journal of Alloys and Compounds</i> , 2010, 502, 38-42.	2.8	60

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37	Fabricating two-dimensional nanostructured tellurium thin films via pyrolyzing a single-source molecular precursor. <i>Thin Solid Films</i> , 2010, 518, 4215-4220.	0.8	3
38	Synthesis, characterization and optical properties of flower-like tellurium. <i>CrystEngComm</i> , 2010, 12, 166-171.	1.3	40
39	One-dimensional hexagonal-phase NaYF ₄ : Controlled synthesis, self-assembly, and morphology-dependent up-conversion luminescence properties. <i>CrystEngComm</i> , 2010, 12, 1650.	1.3	53
40	An unusual zinc substrate-induced self-construction route to various hierarchical architectures of hydrated tungsten oxide. <i>Chemical Communications</i> , 2010, 46, 4556.	2.2	30
41	Large-scale synthesis of feather-like single-crystal Te via a biphasic interfacial reaction route. <i>CrystEngComm</i> , 2010, 12, 3852.	1.3	18
42	Bisurfactant-Controlled Synthesis of Three-Dimensional YBO ₃ /Eu ³⁺ Architectures with Tunable Wettability. <i>Langmuir</i> , 2009, 25, 7103-7108.	1.6	52
43	Self-Assembled Three-Dimensional Hierarchical Umbilicate Bi ₂ WO ₆ Microspheres from Nanoplates: Controlled Synthesis, Photocatalytic Activities, and Wettability. <i>Journal of Physical Chemistry C</i> , 2009, 113, 4369-4374.	1.5	213
44	Rare-Earth-Ion-Doped Hexagonal-Phase NaYF ₄ Nanowires: Controlled Synthesis and Luminescent Properties. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8136-8142.	1.5	49
45	Self-assembled Three-dimensional Hierarchical BiVO ₄ Microspheres from Nanoplates: Malic Acid-assisted Hydrothermal Synthesis and Photocatalytic Activities. <i>Chemistry Letters</i> , 2009, 38, 962-963.	0.7	10
46	One-pot synthesis and magnetic, electrical properties of single-crystalline $\hat{\pm}$ -MnS nanobelts. <i>Chemical Physics Letters</i> , 2008, 462, 96-99.	1.2	20
47	Controlled synthesis and possible formation mechanism of leaf-shaped SnS ₂ nanocrystals. <i>Materials Chemistry and Physics</i> , 2008, 111, 391-395.	2.0	59
48	Surfactant-assisted Hydrothermal Route to Organometallic Tris(8-hydroxyquinoline)aluminum Nanorod Bundles. <i>Chemistry Letters</i> , 2007, 36, 630-631.	0.7	8
49	V ₂ O ₅ ·nH ₂ O Crystalline Nanosheets: Hydrothermal Fabrication and Structure Evolution. <i>Chemistry Letters</i> , 2007, 36, 560-561.	0.7	8
50	Hydrothermal Synthesis of VO _{1.13} Mo _{0.87} O _{2.935} Nanowires with Strong Blue Photoluminescence. <i>Journal of Physical Chemistry C</i> , 2007, 111, 5882-5885.	1.5	15
51	One-dimensional chain Fe ₃ O ₄ nanoparticles encapsulated in worm-shaped carbon shell. <i>Solid State Communications</i> , 2007, 144, 168-173.	0.9	12
52	Shape-controlled synthesis and formation mechanism of nanoparticles-assembled Ag ₂ S nanorods and nanotubes. <i>Journal of Crystal Growth</i> , 2007, 304, 163-168.	0.7	29
53	Formation, characterization, and magnetic properties of Fe ₃ O ₄ microoctahedrons. <i>Journal of Crystal Growth</i> , 2007, 308, 159-165.	0.7	37
54	Fabrication and Characterization of Ultralong Ag/C Nanocables, Carbonaceous Nanotubes, and Chainlike $\hat{\pm}$ -Ag ₂ Se Nanorods inside Carbonaceous Nanotubes. <i>Inorganic Chemistry</i> , 2006, 45, 4845-4849.	1.9	46

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55	Large-Scale Synthesis and Growth Mechanism of Single-Crystal Se Nanobelts. <i>Crystal Growth and Design</i> , 2006, 6, 1514-1517.	1.4	51
56	Selective Preparation of MoO ₃ and HxMoO ₃ Nanobelts in Molybdenum-Hydrogen Peroxide System. <i>Chemistry Letters</i> , 2006, 35, 962-963.	0.7	19
57	Controlled synthesis of carbon nanocables and branched-nanobelts. <i>Carbon</i> , 2006, 44, 734-741.	5.4	23
58	A Novel Route to Octahedral In ₂ O ₃ Particles Exhibiting Near Band Emission. <i>Chemistry Letters</i> , 2005, 34, 118-119.	0.7	7
59	A Room Temperature Self-sacrificing Template Route to Ag ₂ Te Fibers. <i>Chemistry Letters</i> , 2005, 34, 52-53.	0.7	24
60	A precursor decomposition route to polycrystalline CuS nanorods. <i>Materials Chemistry and Physics</i> , 2005, 94, 460-466.	2.0	49
61	Surfactant-Assisted Controlled Synthesis of Antimony and Bismuth Three-Dimensional Superstructures in Different Hydrothermal Emulsion Systems. <i>Australian Journal of Chemistry</i> , 2005, 58, 539.	0.5	3
62	Self-Assembly of a Novel In ₂ S ₃ Nanostructure Exhibiting Strong Quantum Confinement Effects. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 776-780.	0.9	15
63	Large-Scale Hydrothermal Synthesis of Sn ₂ Nanobelts. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 806-809.	0.9	37
64	A Facile Hydrothermal Synthesis Route to Single-Crystalline Lead Iodide Nanobelts and Nanobelt Bundles. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 810-813.	0.9	26
65	Crystalline Silicon Carbide Nanoparticles Encapsulated in Branched Wavelike Carbon Nanotubes: Synthesis and Optical Properties. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13200-13204.	1.2	48
66	Solvothermal synthesis of carbon nanotubes by metal oxide and ethanol at mild temperature. <i>Carbon</i> , 2004, 42, 2341-2343.	5.4	18
67	Large-scale synthesis of antimony nanobelt bundles. <i>Journal of Crystal Growth</i> , 2004, 268, 215-221.	0.7	29
68	Large Scale Synthesis of Carbon Hollow Spheres from Metal Zinc Powder and Ethanol. <i>Chemistry Letters</i> , 2004, 33, 1346-1347.	0.7	5