De-Kun

List of Publications by Year
in descending order

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68 papers	3,527 citations	136950 32 h-index	133252 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. ACS Applied Materials & Interfaces, 2022, 14, 11672-11680.	8.0	38
2	Vertical growth of SnS₂ nanobelt arrays on CuSbS₂ nanosheets for enhanced photocatalytic reduction of CO₂. Chemical Communications, 2021, 57, 10419-10422.	4.1	10
3	Dual active sites fabricated through atomic layer deposition of TiO₂ on MoS₂ nanosheet arrays for highly efficient electroreduction of CO₂ to ethanol. Journal of Materials Chemistry A, 2021, 9, 6790-6796.	10.3	22
4	Observation of 4th-order water oxidation kinetics by time-resolved photovoltage spectroscopy. IScience, 2021, 24, 103500.	4.1	8
5	Highly Efficient Detection of Homologues and Isomers by the Dynamic Swelling Reflection Spectrum. ACS Applied Materials & Interfaces, 2020, 12, 45174-45183.	8.0	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. Physical Chemistry Chemical Physics, 2020, 22, 20202-20211.	2.8	14
7	Oxygen vacancy engineering of Bi2O2CO3 hierarchical microspheres for enhanced adsorption of Cd2+ ions and photocatalytic degradation of Rodamine B. Applied Surface Science, 2020, 512, 145647.	6.1	36
8	Ag and N-doped graphene quantum dots co-modified CuBi2O4 submicron rod photocathodes with enhanced photoelectrochemical activity. Applied Surface Science, 2019, 481, 661-668.	6.1	35
9	Carbon quantum dots/Zn2+ ions doped-CdS nanowires with enhanced photocatalytic activity for reduction of 4-nitroaniline to p-phenylenediamine. Applied Surface Science, 2018, 450, 1-8.	6.1	56
10	Cu2PO4OH: Controlled synthesis of various architectures and morphology-dependent 808Ânm laser-driven photothermal performance. Journal of Alloys and Compounds, 2017, 695, 561-566.	5.5	4
11	BiVO₄hollow microplates: controlled synthesis and enhanced photocatalytic activity achieved through one-step boron doping and Co(OH)₂loading. CrystEngComm, 2017, 19, 6305-6313.	2.6	21
12	Multidimensional CdS nanowire/CdIn2S4 nanosheet heterostructure for photocatalytic and photoelectrochemical applications. Nano Research, 2017, 10, 2699-2711.	10.4	85
13	Size control of SBA-15 by tuning the stirring speed for the formation of CMK-3 with distinct adsorption performance. Nano Research, 2016, 9, 2294-2302.	10.4	14
14	Indented Cu₂MoS₄ nanosheets with enhanced electrocatalytic and photocatalytic activities realized through edge engineering. Physical Chemistry Chemical Physics, 2016, 18, 6713-6721.	2.8	47
15	Concave Bi₂WO₆nanoplates with oxygen vacancies achieving enhanced electrocatalytic oxygen evolution in near-neutral water. Journal of Materials Chemistry A, 2016, 4, 2438-2444.	10.3	96
16	PEGylated Cu₃BiS₃ hollow nanospheres as a new photothermal agent for 980 nm-laser-driven photothermochemotherapy and a contrast agent for X-ray computed tomography imaging. Nanoscale, 2016, 8, 1374-1382.	5.6	52
17	Influence of Au Nanoparticle Shape on Au@Cu2O Heterostructures. Journal of Nanomaterials, 2015, 2015, 1-9.	2.7	4
18	Fe2O3-Modified Porous BiVO4 Nanoplates with Enhanced Photocatalytic Activity. Nano-Micro Letters, 2015, 7, 183-193.	27.0	52

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19	N, S co-doped carbon dots with orange luminescence synthesized through polymerization and carbonization reaction of amino acids. Applied Surface Science, 2015, 342, 136-143.	6.1	127
20	A Versatile Strategy for Shish-Kebab-like Multi-heterostructured Chalcogenides and Enhanced Photocatalytic Hydrogen Evolution. Journal of the American Chemical Society, 2015, 137, 11004-11010.	13.7	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. Nano Research, 2014, 7, 1254-1262.	10.4	23
22	TiO 2 /Bi 2 (BDC) 3 /BiOCl nanoparticles decorated ultrathin nanosheets with excellent photocatalytic reaction activity and selectivity. Materials Research Bulletin, 2014, 60, 64-71.	5.2	24
23	N-doped carbon quantum dots for TiO2-based photocatalysts and dye-sensitized solar cells. Nano Energy, 2013, 2, 545-552.	16.0	320
24	Various Bismuth Oxyiodide Hierarchical Architectures: Alcohothermal-Controlled Synthesis, Photocatalytic Activities, and Adsorption Capabilities for Phosphate in Water. ACS Applied Materials & Interfaces, 2013, 5, 11927-11934.	8.0	157
25	Conversion of ternary Zn2SnO4 octahedrons into binary mesoporous SnO2 and hollow SnS2 hierarchical octahedrons by template-mediated selective complex extraction. Journal of Materials Chemistry A, 2013, 1, 5217.	10.3	27
26	Hierarchical BiOI and hollow Bi2WO6 microspheres: Topochemical conversion and photocatalytic activities. Materials Chemistry and Physics, 2013, 140, 11-15.	4.0	32
27	Controlled synthesis of Eu3+-doped La2O2S nanophosphors by refluxing method. Journal of Experimental Nanoscience, 2013, 8, 434-441.	2.4	5
28	Size control of Au@Cu₂O octahedra for excellent photocatalytic performance. Journal of Materials Chemistry, 2012, 22, 719-724.	6.7	112
29	Controlled synthesis of orange-like LnBO3:Eu3+ (Ln = Y, Tb) mesocrystals via a facile organic additive-free hydrothermal route. CrystEngComm, 2012, 14, 2899.	2.6	16
30	One-pot synthesis of N-doped carbon dots with tunable luminescence properties. Journal of Materials Chemistry, 2012, 22, 16714.	6.7	358
31	Controlled synthesis of olive-shaped Bi2S3/BiVO4 microspheres through a limited chemical conversion route and enhanced visible-light-responding photocatalytic activity. Dalton Transactions, 2012, 41, 5581.	3.3	146
32	Single-crystal NaY(MoO4)2 thin plates with dominant {001} facets for efficient photocatalytic degradation of dyes under visible light irradiation. Chemical Communications, 2011, 47, 8013.	4.1	46
33	From Hollow Olive-Shaped BiVO₄ to nâ”p Coreâ”Shell BiVO₄@Bi₂O₃ Microspheres: Controlled Synthesis and Enhanced Visible-Light-Responsive Photocatalytic Properties. Inorganic Chemistry, 2011, 50, 800-805.	4.0	260
34	Synthesis, thermal stability, and photocatalytic activity of nanocrystalline titanium carbide. Materials Research Bulletin, 2011, 46, 1800-1803.	5.2	20
35	Eu(TTA)3phen Nanobelts with Enhanced Luminescent Properties Prepared by Self-assembly. Chemistry Letters, 2010, 39, 886-887.	1.3	4
36	Controlled synthesis of single-crystal SrAl2O4:Eu2+,Dy3+ nanosheets with long-lasting phosphorescence. Journal of Alloys and Compounds, 2010, 502, 38-42.	5.5	60

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37	Fabricating two-dimensional nanostructured tellurium thin films via pyrolyzing a single-source molecular precursor. Thin Solid Films, 2010, 518, 4215-4220.	1.8	3
38	Synthesis, characterization and optical properties of flower-like tellurium. CrystEngComm, 2010, 12, 166-171.	2.6	40
39	One-dimensional hexagonal-phase NaYF4: Controlled synthesis, self-assembly, and morphology-dependent up-conversion luminescence properties. CrystEngComm, 2010, 12, 1650.	2.6	53
40	An unusual zinc substrate-induced self-construction route to various hierarchical architectures of hydrated tungsten oxide. Chemical Communications, 2010, 46, 4556.	4.1	30
41	Large-scale synthesis of feather-like single-crystal Te via a biphasic interfacial reaction route. CrystEngComm, 2010, 12, 3852.	2.6	18
42	Bisurfactant-Controlled Synthesis of Three-Dimensional YBO₃/Eu³⁺Architectures with Tunable Wettability. Langmuir, 2009, 25, 7103-7108.	3.5	52
43	Self-Assembled Three-Dimensional Hierarchical Umbilicate Bi₂WO₆ Microspheres from Nanoplates: Controlled Synthesis, Photocatalytic Activities, and Wettability. Journal of Physical Chemistry C, 2009, 113, 4369-4374.	3.1	213
44	Rare-Earth-Ion-Doped Hexagonal-Phase NaYF₄ Nanowires: Controlled Synthesis and Luminescent Properties. Journal of Physical Chemistry C, 2009, 113, 8136-8142.	3.1	49
45	Self-assembled Three-dimensional Hierarchical BiVO4 Microspheres from Nanoplates: Malic Acid-assisted Hydrothermal Synthesis and Photocatalytic Activities. Chemistry Letters, 2009, 38, 962-963.	1.3	10
46	One-pot synthesis and magnetic, electrical properties of single-crystalline Î±-MnS nanobelts. Chemical Physics Letters, 2008, 462, 96-99.	2.6	20
47	Controlled synthesis and possible formation mechanism of leaf-shaped SnS2 nanocrystals. Materials Chemistry and Physics, 2008, 111, 391-395.	4.0	59
48	Surfactant-assisted Hydrothermal Route to Organometallic Tris(8-hydroxyquinoline)aluminum Nanorod Bundles. Chemistry Letters, 2007, 36, 630-631.	1.3	8
49	V2O5Â·nH2O Crystalline Nanosheets: Hydrothermal Fabrication and Structure Evolution. Chemistry Letters, 2007, 36, 560-561.	1.3	8
50	Hydrothermal Synthesis of V0.13Mo0.87O2.935 Nanowires with Strong Blue Photoluminescence. Journal of Physical Chemistry C, 2007, 111, 5882-5885.	3.1	15
51	One-dimensional chain Fe3O4 nanoparticles encapsulated in worm-shaped carbon shell. Solid State Communications, 2007, 144, 168-173.	1.9	12
52	Shape-controlled synthesis and formation mechanism of nanoparticles-assembled Ag2S nanorods and nanotubes. Journal of Crystal Growth, 2007, 304, 163-168.	1.5	29
53	Formation, characterization, and magnetic properties of Fe3O4 microoctahedrons. Journal of Crystal Growth, 2007, 308, 159-165.	1.5	37
54	Fabrication and Characterization of Ultralong Ag/C Nanocables, Carbonaceous Nanotubes, and Chainlike Î²-Ag2Se Nanorods inside Carbonaceous Nanotubes. Inorganic Chemistry, 2006, 45, 4845-4849.	4.0	46

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55	Large-Scale Synthesis and Growth Mechanism of Single-Crystal Se Nanobelts. Crystal Growth and Design, 2006, 6, 1514-1517.	3.0	51
56	Selective Preparation of MoO3and HxMoO3Nanobelts in Molybdenumâ€“Hydrogen Peroxide System. Chemistry Letters, 2006, 35, 962-963.	1.3	19
57	Controlled synthesis of carbon nanocables and branched-nanobelts. Carbon, 2006, 44, 734-741.	10.3	23
58	A Novel Route to Octahedral In2O3Particles Exhibiting Near Band Emission. Chemistry Letters, 2005, 34, 118-119.	1.3	7
59	A Room Temperature Self-sacrificing Template Route to Ag2Te Fibers. Chemistry Letters, 2005, 34, 52-53.	1.3	24
60	A precursor decomposition route to polycrystalline CuS nanorods. Materials Chemistry and Physics, 2005, 94, 460-466.	4.0	49
61	Surfactant-Assisted Controlled Synthesis of Antimony and Bismuth Three-Dimensional Superstructures in Different Hydrothermal Emulsion Systems. Australian Journal of Chemistry, 2005, 58, 539.	0.9	3
62	Self-Assembly of a Novel <I>Î²</I>-In₂S₃ Nanostructure Exhibiting Strong Quantum Confinement Effects. Journal of Nanoscience and Nanotechnology, 2005, 5, 776-780.	0.9	15
63	Large-Scale Hydrothermal Synthesis of SnS₂ Nanobelts. Journal of Nanoscience and Nanotechnology, 2005, 5, 806-809.	0.9	37
64	A Facile Hydrothermal Synthesis Route to Single-Crystalline Lead Iodide Nanobelts and Nanobelt Bundles. Journal of Nanoscience and Nanotechnology, 2005, 5, 810-813.	0.9	26
65	Crystalline Silicon Carbide Nanoparticles Encapsulated in Branched Wavelike Carbon Nanotubes:Â Synthesis and Optical Properties. Journal of Physical Chemistry B, 2005, 109, 13200-13204.	2.6	48
66	Solvothermal synthesis of carbon nanotubes by metal oxide and ethanol at mild temperature. Carbon, 2004, 42, 2341-2343.	10.3	18
67	Large-scale synthesis of antimony nanobelt bundles. Journal of Crystal Growth, 2004, 268, 215-221.	1.5	29
68	Large Scale Synthesis of Carbon Hollow Spheres from Metal Zinc Powder and Ethanol. Chemistry Letters, 2004, 33, 1346-1347.	1.3	5