Qing Yang

List of Publications by Year in descending order

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Version: 2024-02-01

81 papers	3,336 citations	126907 33 h-index	149698 56 g-index
81 all docs	81 docs citations	81 times ranked	5409 citing authors

#	Article	IF	Citations
1	An insight to catalytic synergic effect of Pd-MoS2 nanorods for highly efficient hydrogen evolution reaction. Arabian Journal of Chemistry, 2022, 15, 103735.	4.9	13
2	A novel gene-activated matrix composed of PEI/plasmid-BMP2 complexes and hydroxyapatite/chitosan-microspheres promotes bone regeneration. Nano Research, 2022, 15, 6348-6360.	10.4	11
3	Quasi-Monolayer Ag₂Se/1T-WSe₂Nanosheets for Enhanced Electrocatalytic Hydrogen Evolution and Charge Storage. ACS Applied Nano Materials, 2022, 5, 6410-6421.	5.0	8
4	Airâ€Stabilized Leadâ€Free Hexagonal Cs₃Bi₂I₉ Nanocrystals for Ultrahighâ€Performance Optical Detection. Advanced Functional Materials, 2022, 32, .	14.9	15
5	Low-temperature liquid reflux synthesis of core@shell structured Ni@Fe-doped NiCo nanoparticles decorated on carbon nanotubes as a bifunctional electrocatalyst for Znâ€“air batteries. Journal of Materials Chemistry A, 2022, 10, 13088-13096.	10.3	7
6	Flexible Artificial Optoelectronic Synapse based on Leadâ€Free Metal Halide Nanocrystals for Neuromorphic Computing and Color Recognition. Advanced Science, 2022, 9, .	11.2	56
7	Enhanced solar-driven hydrogen evolution over ultrathin g-C3N4/ReSe2 heterojunction-like nanosheets with surface selenium vacancies. Journal of Alloys and Compounds, 2022, 918, 165786.	5.5	4
8	The effect of morphology on electrochemical hydrogen evolution reaction of ReSe₂ nano-structures. New Journal of Chemistry, 2022, 46, 14894-14902.	2.8	3
9	Lowâ€Temperature Growth of Highâ€Quality Ag₂HgS₂ Crystals for Setup of Weakâ€Light UVâ€“Visibleâ€“NIR Photodetectors. Advanced Optical Materials, 2021, 9, 2002080.	7.3	3
10	Unconventionally anisotropic growth of PbSe nanorods: Controllable fabrication under solution-solid-solid regime over Ag2Se catalysis for broadband photodetection. Nano Research, 2021, 14, 3386-3394.	10.4	13
11	Nanoscale AgInTe2/Si Truncated Quasitetrahedrons for Heterostructured Photodetectors. ACS Applied Nano Materials, 2021, 4, 5785-5795.	5.0	8
12	Rock-Salt MnS_{0.5}Se_{0.5} Nanocubes Assembled on N-Doped Graphene Forming van der Waals Heterostructured Hybrids as High-Performance Anode for Lithium- and Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 22608-22620.	8.0	31
13	CoSe₂ Nanoparticles Dispersed in WSe₂ Nanosheets for Efficient Electrocatalysis and Supercapacitance Applications. ACS Applied Nano Materials, 2021, 4, 5796-5807.	5.0	33
14	Controlled Synthesis of NiCoP/gâ€C 3 N 4 Heterostructured Hybrids for Enhanced Visibleâ€Lightâ€Driven Hydrogen Evolution. ChemistrySelect, 2021, 6, 5967-5974.	1.5	0
15	An innovative approach towards the simultaneous enhancement of the oxygen reduction and evolution reactions using a redox mediator in polymer based Liâ€“O₂ batteries. Dalton Transactions, 2021, 50, 16386-16394.	3.3	4
16	Nearâ€Infraredâ€Irradiationâ€Mediated Synaptic Behavior from Tunable Chargeâ€Trapping Dynamics. Advanced Electronic Materials, 2020, 6, 1900765.	5.1	37
17	Integrin Î±_vÎ²₃ Receptor Overexpressing on Tumor-Targeted Positive MRI-Guided Chemotherapy. ACS Applied Materials & Interfaces, 2020, 12, 163-176.	8.0	16
18	Fabrication of van der Waals Heterostructured FePSe₃/Carbon Hybrid Nanosheets for Sodium Storage with High Performance. ACS Applied Materials & Interfaces, 2020, 12, 54732-54741.	8.0	22

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19	Fabrication of oxygen-doped MoSe2 hierarchical nanosheets for highly sensitive and selective detection of trace trimethylamine at room temperature in air. Nano Research, 2020, 13, 1704-1712.	10.4	39
20	Solution-based synthesis of NiSb nanoparticles for electrochemical activity in hydrogen evolution reaction. Chinese Journal of Chemical Physics, 2019, 32, 373-378.	1.3	8
21	The controlled construction of a ternary hybrid of monodisperse Ni₃S₄ nanorods/graphitic C₃N₄ nanosheets/nitrogen-doped graphene in van der Waals heterojunctions as a highly efficient electrocatalyst for overall water splitting and a promising anode material for sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 3714-3728.	10.3	24
22	Photonic Synapses: Nearâ€Infrared Annihilation of Conductive Filaments in Quasiplane MoSe₂/Bi₂Se₃ Nanosheets for Mimicking Heterosynaptic Plasticity (Small 7/2019). Small, 2019, 15, 1970039.	10.0	1
23	Nearâ€Infrared Annihilation of Conductive Filaments in Quasiplane MoSe₂/Bi₂Se₃ Nanosheets for Mimicking Heterosynaptic Plasticity. Small, 2019, 15, e1805431.	10.0	85
24	â€œMagnus nano-bulletsâ€•as T1/T2 based dual-modal for in vitro and in vivo MRI visualization. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 15, 264-273.	3.3	28
25	Effective Synthesis of Pb₅S₂I₆ Crystals at Low Temperature for Fabrication of a High Performance Photodetector. Crystal Growth and Design, 2018, 18, 1987-1994.	3.0	14
26	Electrochemical activity of 1Tâ€² structured rhenium selenide nanosheets via electronic structural modulation from selenium-vacancy generation. Journal of Materials Chemistry A, 2018, 6, 22526-22533.	10.3	49
27	In Situ Construction of Small Pt NPs Embedded in 3D Spherical Porous Carbon as an Electrocatalyst for Liquid Fuel Oxidation with High Performance. ACS Omega, 2018, 3, 17668-17675.	3.5	1
28	Ternary NiCoP nanoparticles assembled on graphene for high-performance lithium-ion batteries and supercapacitors. RSC Advances, 2017, 7, 26120-26124.	3.6	65
29	Scalable colloidal synthesis of uniform Bi₂S₃nanorods as sensitive materials for visible-light photodetectors. CrystEngComm, 2017, 19, 727-733.	2.6	42
30	Integrated Quasiplane Heteronanostructures of MoSe₂/Bi₂Se₃ Hexagonal Nanosheets: Synergetic Electrocatalytic Water Splitting and Enhanced Supercapacitor Performance. Advanced Functional Materials, 2017, 27, 1703864.	14.9	170
31	From covalent triazine-based frameworks to N-doped porous carbon/reduced graphene oxide nanosheets: efficient electrocatalysts for oxygen reduction. Journal of Materials Chemistry A, 2017, 5, 23170-23178.	10.3	60
32	Straight Indium Antimonide Nanowires with Twinning Superlattices via a Solution Route. Nano Letters, 2017, 17, 7183-7190.	9.1	21
33	Solution Synthesis of Nonequilibrium Zincblende MnS Nanowires. Inorganic Chemistry, 2017, 56, 7679-7686.	4.0	10
34	Monodisperse Ternary NiCoP Nanostructures as a Bifunctional Electrocatalyst for Both Hydrogen and Oxygen Evolution Reactions with Excellent Performance. Advanced Materials Interfaces, 2016, 3, 1500454.	3.7	132
35	Design and construction of ultra-thin MoSe2 nanosheet-based heterojunction for high-speed and low-noise photodetection. Nano Research, 2016, 9, 2641-2651.	10.4	43
36	A highly active and durable CuPdPt/C electrocatalyst for an efficient hydrogen evolution reaction. Journal of Materials Chemistry A, 2016, 4, 15309-15315.	10.3	29

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37	Self-assembly growth of alloyed NiPt nanocrystals with holothuria-like shape for oxygen evolution reaction with enhanced catalytic activity. APL Materials, 2016, 4, .	5.1	2
38	Kinetic Growth of Ultralong Metastable Zincblende MnSe Nanowires Catalyzed by a Fast Ionic Conductor via a Solutionâ€“Solidâ€“Solid Mechanism. Nano Letters, 2016, 16, 4008-4013.	9.1	26
39	Organometallically Anisotropic Growth of Ultralong Sb₂Se₃ Nanowires with Highly Enhanced Photothermal Response. ACS Applied Materials & Interfaces, 2016, 8, 2819-2825.	8.0	44
40	Evolution Reactions: Monodisperse Ternary NiCoP Nanostructures as a Bifunctional Electrocatalyst for Both Hydrogen and Oxygen Evolution Reactions with Excellent Performance (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 617	8.7	0
41	Design and Epitaxial Growth of MoSe₂â€“NiSe Vertical Heteronanostructures with Electronic Modulation for Enhanced Hydrogen Evolution Reaction. Chemistry of Materials, 2016, 28, 1838-1846.	6.7	310
42	Photodetectors: Fabrication of Ultrathin Bi2S3Nanosheets for High-Performance, Flexible, Visible-NIR Photodetectors (Small 24/2015). Small, 2015, 11, 2847-2847.	10.0	2
43	Controlled Synthesis of Ultrathin Sb₂Se₃ Nanowires and Application for Flexible Photodetectors. Advanced Science, 2015, 2, 1500109.	11.2	84
44	Fabrication of Ultrathin Bi₂S₃ Nanosheets for Highâ€Performance, Flexible, Visibleâ€“NIR Photodetectors. Small, 2015, 11, 2848-2855.	10.0	205
45	Cu_{2â^'x}Se nanooctahedra: controllable synthesis and optoelectronic properties. CrystEngComm, 2015, 17, 1975-1981.	2.6	39
46	Fast and low-temperature synthesis of one-dimensional (1D) single-crystalline SbSI microrod for high performance photodetector. RSC Advances, 2015, 5, 21859-21864.	3.6	43
47	Electrochemical Performance of Iron Diphosphide/Carbon Tube Nanohybrids in Lithium-ion Batteries. Electrochimica Acta, 2015, 170, 140-145.	5.2	34
48	Synthesis of nanorod-FeP@C composites with hysteretic lithiation in lithium-ion batteries. Dalton Transactions, 2015, 44, 10297-10303.	3.3	58
49	Ni₁₂P₅nanoparticles decorated on carbon nanotubes with enhanced electrocatalytic and lithium storage properties. Nanoscale, 2015, 7, 19241-19249.	5.6	64
50	One-pot synthesis of carbon-coated Ni₅P₄ nanoparticles and CoP nanorods for high-rate and high-stability lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 23345-23351.	10.3	68
51	Phosphine-Free Synthesis and Characterization of Cubic-Phase Cu2SnTe3 Nanocrystals with Optical and Optoelectronic Properties. Chemistry of Materials, 2015, 27, 6181-6184.	6.7	27
52	3D architecture constructed via the confined growth of MoS₂nanosheets in nanoporous carbon derived from metalâ€“organic frameworks for efficient hydrogen production. Nanoscale, 2015, 7, 18004-18009.	5.6	82
53	Directly bonded hybrid of graphene nanoplatelets and fullerene: facile solid-state mechanochemical synthesis and application as carbon-based electrocatalyst for oxygen reduction reaction. Journal of Materials Chemistry A, 2015, 3, 4139-4146.	10.3	68
54	Synthesis of FeP₂/C nanohybrids and their performance for hydrogen evolution reaction. Journal of Materials Chemistry A, 2015, 3, 499-503.	10.3	91

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55	Controllable Shape Evolution of Cu2O Flowers and Their Morphologies-Dependent Selective CO Oxidation. Nano LIFE, 2014, 04, 1441004.	0.9	1
56	Synthesis and Characterization of Ag@C Coreâ€“Shell Structures. Nano LIFE, 2014, 04, 1441008.	0.9	6
57	Fast colloidal synthesis of scalable Mo-rich hierarchical ultrathin MoSe_{2â^'x}nanosheets for high-performance hydrogen evolution. Nanoscale, 2014, 6, 11046-11051.	5.6	200
58	Organometallic Synthesis, Structure Determination, Shape Evolution, and Formation Mechanism of Hexapod-like Ternary PbSexS1â€“x Nanostructures with Tunable Compositions. Langmuir, 2014, 30, 7811-7822.	3.5	10
59	Growth of multi-step shaped CdTe nanowires and a distinct photoelectric response in a single nanowire. CrystEngComm, 2013, 15, 6863.	2.6	13
60	Facile synthesis and characterization of CuInS2 nanocrystals with different structures and shapes. CrystEngComm, 2013, 15, 7192.	2.6	34
61	Solutionâ€“Solidâ€“Solid Mechanism: Superionic Conductors Catalyze Nanowire Growth. Nano Letters, 2013, 13, 3996-4000.	9.1	84
62	Seed-catalyzed heteroepitaxial growth and nonlinear optical properties of zinc selenide nanowires. Journal of Materials Chemistry, 2012, 22, 10009.	6.7	29
63	Ultrasonic-Assisted Synthesis of Monodisperse Ag Nanoparticles and Their Applications in Surface Enhanced Raman Scattering and Fluorescence Enhancement. Chinese Journal of Chemical Physics, 2012, 25, 501-506.	1.3	1
64	Ascorbic acid-assisted solvothermal growth of Î³-In2Se3 hierarchical flowerlike architectures. CrystEngComm, 2011, 13, 2792.	2.6	44
65	Facile fabrication of nanoporous Auâ€“Pd bimetallic foams with high catalytic activity for 2-nitrophenol reduction and SERS property. Journal of Materials Chemistry, 2011, 21, 11961.	6.7	76
66	Feasible synthesis of etched gold nanoplates with catalytic activity and SERS properties. CrystEngComm, 2011, 13, 5488.	2.6	18
67	Selective Synthesis of Magnetic Fe₂P/C and FeP/C Core/Shell Nanocables. Journal of Physical Chemistry Letters, 2010, 1, 102-106.	4.6	17
68	Ammoniaâ€Assisted Fabrication of Flowery Nanostructures of Metallic Nickel Assembled from Hexagonal Platelets. European Journal of Inorganic Chemistry, 2009, 2009, 677-682.	2.0	2
69	Well-Dispersed Water-Soluble Pd Nanocrystals: Facile Reducing Synthesis and Application in Catalyzing Organic Reactions in Aqueous Media. Journal of Physical Chemistry C, 2008, 112, 13419-13425.	3.1	35
70	Biomolecule-Assisted Synthetic Route to Nanostructured Crystals: Synthesis of CdS Hierarchical Dendrites. Journal of Electronic Materials, 2007, 36, 1567-1573.	2.2	5
71	Preparation of manganese molybdate rods and hollow olive-like spheres. Journal of Materials Science, 2006, 41, 4737-4743.	3.7	27
72	Self-assembly of ZnO nanoplates into microspheres. Journal of Materials Science, 2006, 41, 5784-5787.	3.7	11

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73	Large-scale synthesis of single-crystalline MgO with bone-like nanostructures. Journal of Nanoparticle Research, 2006, 8, 881-888.	1.9	56
74	Simple Synthesis of Single-crystalline Nanoplates of Magnesium Oxide. Chinese Journal of Chemical Physics, 2006, 19, 438-442.	1.3	4
75	Solvothermal Synthesis of Metastable Î³-MnS Hollow Spheres and Control of Their Phase. European Journal of Inorganic Chemistry, 2005, 2005, 4124-4128.	2.0	41
76	Large-scale synthesis of amorphous phosphorus nitride imide nanotubes with high luminescent properties. Journal of Materials Research, 2005, 20, 325-330.	2.6	22
77	The synthesis and characterization of Pb5S2I6 whiskers and tubules. Inorganic Chemistry Communication, 2003, 6, 670-674.	3.9	4
78	Wet Synthesis and Characterization of MSe (M = Cd, Hg) Nanocrystallites at Room Temperature. Journal of Materials Research, 2002, 17, 1147-1152.	2.6	16
79	Fabrication of BiTeI submicrometer hollow spheresElectronic supplementary information (ESI) available: XRD pattern and TEM images of Bi2Te3. See http://www.rsc.org/suppdata/jm/b2/b200950c/. Journal of Materials Chemistry, 2002, 12, 2426-2429.	6.7	38
80	PVA-Assisted Synthesis and Characterization of CdSe and CdTe Nanowires. Journal of Physical Chemistry B, 2002, 106, 9227-9230.	2.6	165
81	Antimony sulfide tetragonal prismatic tubular crystals. Journal of Materials Chemistry, 2001, 11, 257-259.	6.7	25