

Yan Mi

List of Publications by Year in descending order

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80
papers

3,468
citations

126708

33
h-index

143772

57
g-index

82
all docs

82
docs citations

82
times ranked

5424
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-scale highly ordered Sb nanorod array anodes with high capacity and rate capability for sodium-ion batteries. <i>Energy and Environmental Science</i> , 2015, 8, 2954-2962.	15.6	294
2	Fe(III) modified BiOCl ultrathin nanosheet towards high-efficient visible-light photocatalyst. <i>Nano Energy</i> , 2016, 30, 109-117.	8.2	185
3	Enhancement of Sodium Ion Battery Performance Enabled by Oxygen Vacancies. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8768-8771.	7.2	180
4	Multiple nanostructures based on anodized aluminium oxide templates. <i>Nature Nanotechnology</i> , 2017, 12, 244-250.	15.6	168
5	Highly Ordered Three-Dimensional Ni-TiO ₂ Nanoarrays as Sodium Ion Battery Anodes. <i>Chemistry of Materials</i> , 2015, 27, 4274-4280.	3.2	140
6	Constructing a AZO/TiO ₂ Core/Shell Nanocone Array with Uniformly Dispersed Au NPs for Enhancing Photoelectrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2016, 6, 1501496.	10.2	129
7	p-Type CuBi ₂ O ₄ : an easily accessible photocathodic material for high-efficiency water splitting. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8995-9001.	5.2	124
8	Manipulation of charge transfer and transport in plasmonic-ferroelectric hybrids for photoelectrochemical applications. <i>Nature Communications</i> , 2016, 7, 10348.	5.8	113
9	Switchable Charge Transfer in the Photoelectrochemical Energy Conversion Process of Ferroelectric BiFeO ₃ Photoelectrodes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11027-11031.	7.2	106
10	Stereoselective Solid-State Synthesis of Substituted Cyclobutanes Assisted by Pseudorotaxane-Like MOFs. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12696-12701.	7.2	103
11	Designing Heterogeneous 1D Nanostructure Arrays Based on AAO Templates for Energy Applications. <i>Small</i> , 2015, 11, 3408-3428.	5.2	92
12	Coordination-Driven Stereospecific Control Strategy for Pure Cycloisomers in Solid-State Diene Photocycloaddition. <i>Journal of the American Chemical Society</i> , 2020, 142, 700-704.	6.6	90
13	2D CoOOH Sheet-Encapsulated Ni ₂ P into Tubular Arrays Realizing 1000 A cm ⁻² Level-Current-Density Hydrogen Evolution Over 100 h in Neutral Water. <i>Nano-Micro Letters</i> , 2020, 12, 140.	14.4	83
14	Highly Controllable Surface Plasmon Resonance Property by Heights of Ordered Nanoparticle Arrays Fabricated via a Nonlithographic Route. <i>ACS Nano</i> , 2015, 9, 4583-4590.	7.3	74
15	Cost-effective Atomic Layer Deposition Synthesis of Pt Nanotube Arrays: Application for High Performance Supercapacitor. <i>Small</i> , 2014, 10, 3162-3168.	5.2	71
16	Building of anti-restack 3D BiOCl hierarchy by ultrathin nanosheets towards enhanced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 331-337.	10.8	69
17	Single-metal-atom catalysts: An emerging platform for electrocatalytic oxygen reduction. <i>Chemical Engineering Journal</i> , 2021, 406, 127135.	6.6	67
18	Nanoengineering Energy Conversion and Storage Devices via Atomic Layer Deposition. <i>Advanced Energy Materials</i> , 2016, 6, 1600468.	10.2	63

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19	Fabrication of ultrathin single-layer 2D metal-organic framework nanosheets with excellent adsorption performance via a facile exfoliation approach. <i>Journal of Materials Chemistry A</i> , 2021, 9, 546-555.	5.2	55
20	A highly efficient visible-light driven photocatalyst: two dimensional square-like bismuth oxyiodine nanosheets. <i>Dalton Transactions</i> , 2014, 43, 9549-9556.	1.6	54
21	Amperometric Hydrogen Peroxide Biosensor Based on Horseradish Peroxidase Immobilized on Fe ₃ O ₄ /Chitosan Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2009, 21, 1514-1520.	1.5	52
22	Understanding the Orderliness of Atomic Arrangement toward Enhanced Sodium Storage. <i>Advanced Energy Materials</i> , 2016, 6, 1600448.	10.2	52
23	Three-Dimensional Plasmonic Nanostructure Design for Boosting Photoelectrochemical Activity. <i>ACS Nano</i> , 2017, 11, 7382-7389.	7.3	48
24	Study of nimesulide and its determination using multiwalled carbon nanotubes modified glassy carbon electrodes. <i>Electrochimica Acta</i> , 2010, 55, 2522-2526.	2.6	46
25	Amperometric Hydrogen Peroxide Biosensor Based on Immobilization of Hemoglobin on a Glassy Carbon Electrode Modified with Fe ₃ O ₄ /Chitosan Core-Shell Microspheres. <i>Sensors</i> , 2009, 9, 6185-6199.	2.1	44
26	A photoelectrochemical aptasensor for the sensitive detection of streptomycin based on a TiO ₂ /BiOI/BiOBr heterostructure. <i>Analytica Chimica Acta</i> , 2020, 1115, 33-40.	2.6	44
27	A pyrazolopyrimidine based fluorescent probe for the detection of Cu ²⁺ and Ni ²⁺ and its application in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 209, 141-149.	2.0	43
28	Ultra-low mass loading of platinum nanoparticles on bacterial cellulose derived carbon nanofibers for efficient hydrogen evolution. <i>Catalysis Today</i> , 2016, 262, 141-145.	2.2	42
29	Template-Guided Programmable Janus Heteronanostructure Arrays for Efficient Plasmonic Photocatalysis. <i>Nano Letters</i> , 2018, 18, 4914-4921.	4.5	42
30	Room-Temperature Synthesis and Luminescent Properties of Single-Crystalline SrMoO ₄ Nanoplates. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20795-20799.	1.5	37
31	Structure diversities of ten entangled coordination polymers assembled from reactions of Co(ii) or Ni(ii) salts with 5-(pyridin-4-yl)isophthalic acid in the absence or presence of auxiliary N-donor ligands. <i>CrystEngComm</i> , 2013, 15, 9553.	1.3	36
32	Facile surface treatment on Cu ₂ O photocathodes for enhancing the photoelectrochemical response. <i>Applied Catalysis B: Environmental</i> , 2016, 198, 398-403.	10.8	36
33	Fully understanding the positive roles of plasmonic nanoparticles in ameliorating the efficiency of organic solar cells. <i>Nanoscale</i> , 2015, 7, 15251-15257.	2.8	34
34	Controllable multiple-step configuration transformations in a thermal/photoinduced reaction. <i>Nature Communications</i> , 2022, 13, .	5.8	32
35	In-situ surface-derivation of Ni-Mo bimetal sulfides nanosheets on Co ₃ O ₄ nanoarrays as an advanced overall water splitting electrocatalyst in alkaline solution. <i>Journal of Alloys and Compounds</i> , 2019, 791, 328-335.	2.8	27
36	Single MoTe ₂ sheet electrocatalytic microdevice for in situ revealing the activated basal plane sites by vacancies engineering. <i>Nano Research</i> , 2021, 14, 4814-4821.	5.8	27

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37	Nitrogen-doped hollow porous carbon nanotubes for high-sulfur loading Li–S batteries. <i>Electrochimica Acta</i> , 2019, 324, 134849.	2.6	26
38	MOF-assisted three-dimensional TiO ₂ @C core/shell nanobelt arrays as superior sodium ion battery anodes. <i>Journal of Alloys and Compounds</i> , 2018, 769, 257-263.	2.8	25
39	Second ligands-assisted structural variation of entangled coordination polymers with polycatenated or polythreaded features. <i>CrystEngComm</i> , 2013, 15, 1068-1076.	1.3	24
40	Nanovilli electrode boosts hydrogen evolution: A surface with superaerophobicity and superhydrophilicity. <i>Nano Research</i> , 2021, 14, 961-968.	5.8	24
41	Abnormal behaviors in electrical transport properties of cobalt-doped tin oxide thin films. <i>Journal of Materials Chemistry</i> , 2012, 22, 16060.	6.7	22
42	Dual-response detection of Ni ²⁺ and Cu ²⁺ ions by a pyrazolopyrimidine-based fluorescent sensor and the application of this sensor in bioimaging. <i>RSC Advances</i> , 2019, 9, 35671-35676.	1.7	21
43	Room temperature reverse-microemulsion synthesis and photoluminescence properties of uniform BaMoO ₄ submicro-octahedra. <i>Materials Letters</i> , 2009, 63, 742-744.	1.3	20
44	Enhanced photoelectrochemical performance of LaFeO ₃ photocathode with Au buffer layer. <i>RSC Advances</i> , 2019, 9, 26780-26786.	1.7	19
45	Unusual enhancement in electrical conductivity of tin oxide thin films with zinc doping. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 5760.	1.3	18
46	Engineering inner-porous cobalt phosphide nanowire based on controllable phosphating for efficient hydrogen evolution in both acidic and alkaline conditions. <i>Applied Surface Science</i> , 2019, 481, 1524-1531.	3.1	18
47	Oxygen vacancies and Bi ₂ S ₃ nanoparticles co-sensitized TiO ₂ nanotube arrays for enhanced photoelectrochemical sensing of chlorpyrifos. <i>Journal of Electroanalytical Chemistry</i> , 2022, 911, 116220.	1.9	18
48	Gold nanochestnut arrays as ultra-sensitive SERS substrate for detecting trace pesticide residue. <i>Nanotechnology</i> , 2018, 29, 295502.	1.3	17
49	Stereoselective Solid-State Synthesis of Substituted Cyclobutanes Assisted by Pseudorotaxane-like MOFs. <i>Angewandte Chemie</i> , 2018, 130, 12878-12883.	1.6	17
50	Ln-incorporated coordination complexes as fluorescence sensor for selective detection nitroaromatic compounds. <i>Materials Chemistry and Physics</i> , 2019, 232, 152-159.	2.0	17
51	Oxygen Deficient TiO _{2-x} with Dual Reaction Sites for Activation of H ₂ O ₂ to Degrade Organic Pollutants. <i>Catalysis Letters</i> , 2020, 150, 222-233.	1.4	17
52	Synthesis, structure, and properties of dinuclear copper (II) complex with a (H ₂ O) ₁₂ cluster. <i>Inorganic Chemistry Communication</i> , 2009, 12, 628-631.	1.8	16
53	Growth control of AgTCNQ nanowire arrays by using a template-assisted electro-deposition method. <i>Journal of Materials Chemistry C</i> , 2013, 1, 8003.	2.7	16
54	Synthesis, characterization and luminescence properties of Eu(III) and Tb(III) complexes with novel pyrazole derivatives and 1,10-phenanthroline. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 825-829.	2.0	15

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55	A pillar-layer strategy to construct 2D polycatenated coordination polymers for luminescence detection of Cr ₂ O ₇ ²⁻ and CrO ₄ ²⁻ in aqueous solution. <i>CrystEngComm</i> , 2019, 21, 4943-4950.	1.3	15
56	Ultrathin BiOCl nanosheet modified TiO ₂ for the photoelectrochemical sensing of chlorpyrifos. <i>Analytical Methods</i> , 2019, 11, 375-380.	1.3	15
57	Tuning the configuration of the flexible metal-alkene-framework affords pure cycloisomers in solid state photodimerization. <i>Chemical Communications</i> , 2021, 57, 1129-1132.	2.2	13
58	Synthesis, structure, and properties of two novel copper(II) complexes, [Cu(phen)(L)2]·6H ₂ O and [Cu(phen)3]·(ClO ₄) ₂ . <i>Inorganic Chemistry Communication</i> , 2009, 12, 1189-1192.	1.8	12
59	Crystal structure, bioactivities, and electrochemistry properties of four diverse complexes with a new pyrazole ligand. <i>Journal of Coordination Chemistry</i> , 2010, 63, 263-272.	0.8	11
60	Five new cobalt(II) complexes based on indazole derivatives: synthesis, DNA binding and molecular docking study. <i>Journal of Coordination Chemistry</i> , 2019, 72, 645-663.	0.8	11
61	Synthesis and growth thermodynamic studies of CdS nanocrystals using isothermal titration calorimetry. <i>Thermochimica Acta</i> , 2010, 503-504, 136-140.	1.2	9
62	Room-temperature Preparation of BaMoO ₄ Nano-octahedra by Microemulsion Method. <i>Chemistry Letters</i> , 2009, 38, 404-405.	0.7	8
63	Controlled synthesis and growth mechanism of alpha nickel molybdate microhombhedron. <i>Materials Letters</i> , 2010, 64, 695-697.	1.3	8
64	On-site generated metal organic framework-deriving core/shell ZnCo ₂ O ₄ /ZnO nanoarray for better water oxidation. <i>Nanotechnology</i> , 2019, 30, 495405.	1.3	8
65	Flower-like titanium dioxide as novel co-reaction accelerator for ultrasensitive electrochemiluminescence aptasensor construction based on 2D g-C ₃ N ₄ layer for thrombin detection. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 959-971.	1.2	8
66	Synthesis and crystal structures of supramolecular compounds: [Cu(mpca) ₂ (H ₂ O)]·3H ₂ O and [Cu ₂ (mpca) ₂ (pyr) ₄]. <i>Journal of Coordination Chemistry</i> , 2009, 62, 3613-3620.	0.8	7
67	Room-temperature synthesis of MnMoO ₄ ·H ₂ O nanorods by the microemulsion-based method and its photocatalytic performance. <i>Journal of Physics: Conference Series</i> , 2009, 188, 012056.	0.3	7
68	Modulating the regioselectivity of solid-state photodimerization in coordination polymer crystals. <i>Dalton Transactions</i> , 2020, 49, 10858-10865.	1.6	7
69	Room-temperature Synthesis of CdMoO ₄ Nanooctahedra in the Hemline Length of 30 nm. <i>Chemistry Letters</i> , 2010, 39, 760-761.	0.7	6
70	Synthesis, crystal structure and properties of Zn(II) and Cd(II) complexes with 2-(4-isopropyl-4-methyl-5-oxo-4,5-dihydro-1H-imidazol-2-yl)nicotinic acid ligand. <i>Inorganic Chemistry Communication</i> , 2010, 13, 33-36.	1.8	6
71	Application of nBu ₂ Sn(acac) ₂ for the deposition of nanocrystallite SnO ₂ films: Nucleation, growth and physical properties. <i>Journal of Alloys and Compounds</i> , 2011, 509, 7798-7802.	2.8	6
72	Homocoupling of arylboronic acids catalyzed by dinuclear copper(I) complexes under mild conditions. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 2639-2646.	1.2	6

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73	Synthesis, structure and properties of a new copper (II) complex, [Cu ₂ (4,4'-bpy) ₅ (H ₂ O) ₄](ClO ₄) ₄ (4,4'-bpy)(DMF) ₂ (H ₂ O) ₂ . Inorganic Chemistry Communication, 2010, 13, 720-723.	1.8	5
74	A Superhydrophobic Se-Doped CoS ₂ Porous Nanowires Array for Cost-Saving Hydrogen Evolution. Catalysts, 2021, 11, 169.	1.6	5
75	Amino group decorated coordination polymers for enhanced detection of folic acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 238, 118443.	2.0	4
76	Tunable photosensitive behaviours within coordination polymers via functional molecular rearrangements. Chemical Communications, 2022, 58, 2674-2677.	2.2	4
77	In situ Microcalorimetry Insight into the Growth of CaMoO ₄ Microcrystallites. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2009, 25, 2422-2426.	2.2	2
78	New structurally diverse photoactive cadmium coordination polymers. Dalton Transactions, 2021, 50, 18194-18201.	1.6	1
79	Nanostructure Arrays: Designing Heterogeneous 1D Nanostructure Arrays Based on AAO Templates for Energy Applications (Small 28/2015). Small, 2015, 11, 3407-3407.	5.2	0
80	Diaqua(5-methyl-1H-pyrazole-3-carboxylato)(4-nitrobenzoato)copper(II). Acta Crystallographica Section E: Structure Reports Online, 2009, 65, m210-m210.	0.2	0