

Xiaofei Yang

List of Publications by Year in descending order

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166
papers

13,188
citations

17440

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24258

110
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172
all docs

172
docs citations

172
times ranked

12635
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of Ag ₃ PO ₄ -Graphene Composites with Highly Efficient and Stable Visible Light Photocatalytic Performance. ACS Catalysis, 2013, 3, 363-369.	11.2	562
2	In situ fabrication of 1D CdS nanorod/2D Ti ₃ C ₂ MXene nanosheet Schottky heterojunction toward enhanced photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2020, 268, 118382.	20.2	429
3	Nickel nitride as an efficient electrocatalyst for water splitting. Journal of Materials Chemistry A, 2015, 3, 8171-8177.	10.3	408
4	Haplotype-resolved diverse human genomes and integrated analysis of structural variation. Science, 2021, 372, .	12.6	358
5	Hyperspectral Image Classification With Deep Learning Models. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5408-5423.	6.3	318
6	Unveiling the origin of boosted photocatalytic hydrogen evolution in simultaneously (S, P) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td 84-94.	20.2	300
7	Interfacial optimization of g-C ₃ N ₄ -based Z-scheme heterojunction toward synergistic enhancement of solar-driven photocatalytic oxygen evolution. Applied Catalysis B: Environmental, 2019, 244, 240-249.	20.2	295
8	Recent Advances in Conjugated Polymers for Visible-Light-Driven Water Splitting. Advanced Materials, 2020, 32, e1907296.	21.0	279
9	Porous nitrogen-rich g-C ₃ N ₄ nanotubes for efficient photocatalytic CO ₂ reduction. Applied Catalysis B: Environmental, 2019, 256, 117854.	20.2	271
10	Fabrication of P25/Ag ₃ PO ₄ /graphene oxide heterostructures for enhanced solar photocatalytic degradation of organic pollutants and bacteria. Applied Catalysis B: Environmental, 2015, 166-167, 231-240.	20.2	269
11	Tuning the Morphology of g-C ₃ N ₄ for Improvement of Z-Scheme Photocatalytic Water Oxidation. ACS Applied Materials & Interfaces, 2015, 7, 15285-15293.	8.0	256
12	3D reduced graphene oxide aerogel-mediated Z-scheme photocatalytic system for highly efficient solar-driven water oxidation and removal of antibiotics. Applied Catalysis B: Environmental, 2018, 232, 562-573.	20.2	231
13	Surface Patterning of Two-Dimensional Nanostructure-Embedded Photothermal Hydrogels for High-Yield Solar Steam Generation. ACS Nano, 2021, 15, 10366-10376.	14.6	230
14	Same materials, bigger output: A reversibly transformable 2D→3D photothermal evaporator for highly efficient solar steam generation. Nano Energy, 2021, 79, 105477.	16.0	228
15	Dual-Zone Photothermal Evaporator for Antisalt Accumulation and Highly Efficient Solar Steam Generation. Advanced Functional Materials, 2021, 31, 2102618.	14.9	226
16	The opium poppy genome and morphinan production. Science, 2018, 362, 343-347.	12.6	225
17	Oxamide-modified g-C ₃ N ₄ nanostructures: Tailoring surface topography for high-performance visible light photocatalysis. Chemical Engineering Journal, 2019, 374, 1064-1075.	12.7	218
18	Reversing heat conduction loss: Extracting energy from bulk water to enhance solar steam generation. Nano Energy, 2020, 78, 105269.	16.0	215

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19	Dual Z-scheme g-C ₃ N ₄ /Ag ₃ PO ₄ /Ag ₂ MoO ₄ ternary composite photocatalyst for solar oxygen evolution from water splitting. <i>Applied Surface Science</i> , 2018, 456, 369-378.	6.1	196
20	Porous Ni ₅ P ₄ as a promising cocatalyst for boosting the photocatalytic hydrogen evolution reaction performance. <i>Applied Catalysis B: Environmental</i> , 2020, 275, 119144.	20.2	194
21	Stackable nickel-cobalt@polydopamine nanosheet based photothermal sponges for highly efficient solar steam generation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11665-11673.	10.3	184
22	Boosting solar steam generation by structure enhanced energy management. <i>Science Bulletin</i> , 2020, 65, 1380-1388.	9.0	184
23	Silver Phosphate/Graphitic Carbon Nitride as an Efficient Photocatalytic Tandem System for Oxygen Evolution. <i>ChemSusChem</i> , 2015, 8, 1350-1358.	6.8	178
24	Long non-coding RNAs function annotation: a global prediction method based on bi-colored networks. <i>Nucleic Acids Research</i> , 2013, 41, e35-e35.	14.5	174
25	Near-Complete Suppression of Oxygen Evolution for Photoelectrochemical H ₂ O Oxidative H ₂ O ₂ Synthesis. <i>Journal of the American Chemical Society</i> , 2020, 142, 8641-8648.	13.7	168
26	Bifunctional TiO ₂ /Ag ₃ PO ₄ /graphene composites with superior visible light photocatalytic performance and synergistic inactivation of bacteria. <i>RSC Advances</i> , 2014, 4, 18627-18636.	3.6	167
27	Construction of carbon nitride and MoS ₂ quantum dot 2D/0D hybrid photocatalyst: Direct Z-scheme mechanism for improved photocatalytic activity. <i>Chinese Journal of Catalysis</i> , 2017, 38, 2160-2170.	14.0	165
28	Energy Manipulation in Lanthanide-Doped Core-Shell Nanoparticles for Tunable Dual-Mode Luminescence toward Advanced Anti-Counterfeiting. <i>Advanced Materials</i> , 2020, 32, e2002121.	21.0	165
29	Synergy of photocatalysis and photothermal effect in integrated 0D perovskite oxide/2D MXene heterostructures for simultaneous water purification and solar steam generation. <i>Applied Catalysis B: Environmental</i> , 2021, 295, 120285.	20.2	162
30	Enhancing solar steam generation using a highly thermally conductive evaporator support. <i>Science Bulletin</i> , 2021, 66, 2479-2488.	9.0	159
31	In situ construction of protonated g-C ₃ N ₄ /Ti ₃ C ₂ MXene Schottky heterojunctions for efficient photocatalytic hydrogen production. <i>Chinese Journal of Catalysis</i> , 2021, 42, 107-114.	14.0	154
32	Anchoring Co ₃ O ₄ nanoparticles on MXene for efficient electrocatalytic oxygen evolution. <i>Science Bulletin</i> , 2020, 65, 460-466.	9.0	152
33	A Network Based Method for Analysis of lncRNA-Disease Associations and Prediction of lncRNAs Implicated in Diseases. <i>PLoS ONE</i> , 2014, 9, e87797.	2.5	150
34	Design and performance boost of a MOF-functionalized-wood solar evaporator through tuning the hydrogen-bonding interactions. <i>Nano Energy</i> , 2022, 95, 107016.	16.0	148
35	Fabrication of dual direct Z-scheme g-C ₃ N ₄ /MoS ₂ /Ag ₃ PO ₄ photocatalyst and its oxygen evolution performance. <i>Applied Surface Science</i> , 2019, 463, 9-17.	6.1	145
36	Road Detection and Centerline Extraction Via Deep Recurrent Convolutional Neural Network U-Net. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 7209-7220.	6.3	138

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37	Probing supramolecular assembly and charge carrier dynamics toward enhanced photocatalytic hydrogen evolution in 2D graphitic carbon nitride nanosheets. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117867.	20.2	137
38	More from less: improving solar steam generation by selectively removing a portion of evaporation surface. <i>Science Bulletin</i> , 2022, 67, 1572-1580.	9.0	122
39	Porous MoP network structure as co-catalyst for H ₂ evolution over g-C ₃ N ₄ nanosheets. <i>Applied Surface Science</i> , 2018, 462, 822-830.	6.1	120
40	Comparative pan-cancer DNA methylation analysis reveals cancer common and specific patterns. <i>Briefings in Bioinformatics</i> , 2016, 18, bbw063.	6.5	119
41	Hierarchical ultrathin carbon encapsulating transition metal doped MoP electrocatalysts for efficient and pH-universal hydrogen evolution reaction. <i>Nano Energy</i> , 2020, 70, 104445.	16.0	118
42	Graphene-spindle shaped TiO ₂ mesocrystal composites: Facile synthesis and enhanced visible light photocatalytic performance. <i>Journal of Hazardous Materials</i> , 2013, 261, 342-350.	12.4	111
43	Metal-Oxide-Mediated Subtractive Manufacturing of Two-Dimensional Carbon Nitride for High-Efficiency and High-Yield Photocatalytic H ₂ Evolution. <i>ACS Nano</i> , 2019, 13, 11294-11302.	14.6	109
44	Anchoring metal-organic framework nanoparticles on graphitic carbon nitrides for solar-driven photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2018, 455, 403-409.	6.1	108
45	Recent advances in MXenes supported semiconductors based photocatalysts: Properties, synthesis and photocatalytic applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 85, 1-33.	5.8	107
46	Templated-assisted one-dimensional silica nanotubes: synthesis and applications. <i>Journal of Materials Chemistry</i> , 2011, 21, 6122.	6.7	106
47	Controllable synthesis of grain boundary-enriched Pt nanoworms decorated on graphitic carbon nanosheets for ultrahigh methanol oxidation catalytic activity. <i>Journal of Energy Chemistry</i> , 2021, 57, 601-609.	12.9	106
48	Coupling solar-driven photothermal effect into photocatalysis for sustainable water treatment. <i>Journal of Hazardous Materials</i> , 2022, 423, 127128.	12.4	106
49	Accelerating photocatalytic hydrogen evolution and pollutant degradation by coupling organic co-catalysts with TiO ₂ . <i>Chinese Journal of Catalysis</i> , 2019, 40, 380-389.	14.0	105
50	Integrated reduced graphene oxide/polypyrrole hybrid aerogels for simultaneous photocatalytic decontamination and water evaporation. <i>Applied Catalysis B: Environmental</i> , 2022, 301, 120820.	20.2	98
51	Fabrication of modified g-C ₃ N ₄ nanorod/Ag ₃ PO ₄ nanocomposites for solar-driven photocatalytic oxygen evolution from water splitting. <i>Applied Surface Science</i> , 2018, 430, 301-308.	6.1	92
52	Remarkable Enhancement in Solar Oxygen Evolution from MoSe ₂ /Ag ₃ PO ₄ Heterojunction Photocatalyst via In Situ Constructing Interfacial Contact. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8466-8474.	6.7	92
53	From Millimeter to Subnanometer: Vapor-Solid Deposition of Carbon Nitride Hierarchical Nanostructures Directed by Supramolecular Assembly. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8426-8430.	13.8	90
54	Supramolecular Chemistry in Molten Sulfur: Preorganization Effects Leading to Marked Enhancement of Carbon Nitride Photoelectrochemistry. <i>Advanced Functional Materials</i> , 2015, 25, 6265-6271.	14.9	89

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55	Solar photocatalytic water oxidation over Ag ₃ PO ₄ /g-C ₃ N ₄ composite materials mediated by metallic Ag and graphene. <i>Applied Surface Science</i> , 2018, 430, 108-115.	6.1	89
56	Facile synthesis of graphene oxide-enwrapped Ag ₃ PO ₄ composites with highly efficient visible light photocatalytic performance. <i>Materials Letters</i> , 2013, 93, 28-31.	2.6	85
57	Implementing Hybrid Energy Harvesting in 3D Spherical Evaporator for Solar Steam Generation and Synergic Water Purification. <i>Solar Rrl</i> , 2020, 4, 2000232.	5.8	84
58	Evidencing Interfacial Charge Transfer in 2D CdS/2D MXene Schottky Heterojunctions toward High-Efficiency Photocatalytic Hydrogen Production. <i>Solar Rrl</i> , 2021, 5, 2000414.	5.8	83
59	Hydrothermal synthesis and visible-light photocatalytic activity of γ -Fe ₂ O ₃ /TiO ₂ composite hollow microspheres. <i>Ceramics International</i> , 2013, 39, 8633-8640.	4.8	81
60	High-quality <i>Arabidopsis thaliana</i> Genome Assembly with Nanopore and HiFi Long Reads. <i>Genomics, Proteomics and Bioinformatics</i> , 2022, 20, 4-13.	6.9	80
61	Heterostructured MoSe ₂ /Oxygen-Terminated Ti ₃ C ₂ MXene Architectures for Efficient Electrocatalytic Hydrogen Evolution. <i>Energy & Fuels</i> , 2021, 35, 4609-4615.	5.1	76
62	Tetragonal-Orthorhombic-Cubic Phase Transitions in Ag ₂ Se Nanocrystals. <i>Chemistry of Materials</i> , 2014, 26, 5647-5653.	6.7	69
63	Revealing and accelerating interfacial charge carrier dynamics in Z-scheme heterojunctions for highly efficient photocatalytic oxygen evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118445.	20.2	69
64	Synthesis of reduced graphene oxide/Cu nanoparticle composites and their tribological properties. <i>RSC Advances</i> , 2013, 3, 26086.	3.6	64
65	Hyperspectral Image Transformer Classification Networks. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-15.	6.3	64
66	Synthesis of Organized Layered Carbon by Self-Templating of Dithioamide. <i>Advanced Materials</i> , 2016, 28, 6727-6733.	21.0	59
67	Uncovering the origin of full-spectrum visible-light-responsive polypyrrole supramolecular photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2021, 287, 119926.	20.2	59
68	One reference genome is not enough. <i>Genome Biology</i> , 2019, 20, 104.	8.8	58
69	Biomass derived Janus solar evaporator for synergic water evaporation and purification. <i>Sustainable Materials and Technologies</i> , 2020, 25, e00180.	3.3	58
70	Hydrothermal synthesis of MoO ₃ nanobelts-graphene composites. <i>Crystal Research and Technology</i> , 2011, 46, 1195-1201.	1.3	57
71	Self-assembled g-C ₃ N ₄ nanoarchitectures with boosted photocatalytic solar-to-hydrogen efficiency. <i>Applied Surface Science</i> , 2019, 487, 59-67.	6.1	57
72	MSIsensor-pro: Fast, Accurate, and Matched-normal-sample-free Detection of Microsatellite Instability. <i>Genomics, Proteomics and Bioinformatics</i> , 2020, 18, 65-71.	6.9	53

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73	Modulation of Volmer step for efficient alkaline water splitting implemented by titanium oxide promoting surface reconstruction of cobalt carbonate hydroxide. <i>Nano Energy</i> , 2021, 82, 105732.	16.0	53
74	Three chromosome-scale Papaver genomes reveal punctuated patchwork evolution of the morphinan and noscapine biosynthesis pathway. <i>Nature Communications</i> , 2021, 12, 6030.	12.8	51
75	Additives Control the Stability of Amorphous Calcium Carbonate via Two Different Mechanisms: Surface Adsorption versus Bulk Incorporation. <i>Advanced Functional Materials</i> , 2020, 30, 2000003.	14.9	49
76	Facile hydrothermal synthesis and photocatalytic activity of rod-like nanosized silver tungstate. <i>Micro and Nano Letters</i> , 2012, 7, 1285-1288.	1.3	48
77	Morphology-controlled synthesis of Ag ₃ PO ₄ microcubes with enhanced visible-light-driven photocatalytic activity. <i>Ceramics International</i> , 2013, 39, 9715-9720.	4.8	48
78	Unveiling the Origin of the High Catalytic Activity of Ultrathin 1T/2H MoSe ₂ Nanosheets for the Hydrogen Evolution Reaction: A Combined Experimental and Theoretical Study. <i>ChemSusChem</i> , 2019, 12, 5015-5022.	6.8	48
79	Lignin-incorporated Supramolecular Copolymerization Yielding g-C ₃ N ₄ Nanoarchitectures for Efficient Photocatalytic Hydrogen Evolution. <i>Solar Rrl</i> , 2021, 5, 2000486.	5.8	46
80	Synthesis and luminescence of Sr ₂ CeO ₄ superfine particles by citrate-gel method. <i>Materials Letters</i> , 2004, 58, 48-50.	2.6	45
81	Sacrificial Agent-free Photocatalytic Oxygen Evolution from Water Splitting over Ag ₃ PO ₄ /MXene Hybrids. <i>Solar Rrl</i> , 2020, 4, 1900434.	5.8	45
82	Detecting Overlapping Protein Complexes by Rough-Fuzzy Clustering in Protein-Protein Interaction Networks. <i>PLoS ONE</i> , 2014, 9, e91856.	2.5	43
83	Solid state synthesis of Fe ₂ P nanoparticles as high-performance anode materials for nickel-based rechargeable batteries. <i>Journal of Power Sources</i> , 2014, 253, 360-365.	7.8	42
84	Ag/ZnO/graphene oxide heterostructure for the removal of rhodamine B by the synergistic adsorption-degradation effects. <i>Ceramics International</i> , 2015, 41, 4231-4237.	4.8	42
85	The Complex Role of Carbon Nitride as a Sensitizer in Photoelectrochemical Cells. <i>Advanced Optical Materials</i> , 2015, 3, 1052-1058.	7.3	41
86	Ultrahigh photocatalytic hydrogen evolution performance of coupled 1D CdS/1T-phase dominated 2D WS ₂ nanoheterojunctions. <i>Chinese Journal of Catalysis</i> , 2022, 43, 403-409.	14.0	40
87	Systematic DNA methylation analysis of multiple cell lines reveals common and specific patterns within and across tissues of origin. <i>Human Molecular Genetics</i> , 2015, 24, 4374-4384.	2.9	39
88	Nanocarbon encapsulating Ni-doped MoP/graphene composites for highly improved electrocatalytic hydrogen evolution reaction. <i>Composites Communications</i> , 2021, 26, 100792.	6.3	38
89	Template-assisted hydrothermal synthesis and photocatalytic activity of novel TiO ₂ hollow nanostructures. <i>Ceramics International</i> , 2013, 39, 4969-4974.	4.8	36
90	A facile one-step hydrothermal method to produce graphene-MoO ₃ nanorod bundle composites. <i>Materials Letters</i> , 2011, 65, 2341-2344.	2.6	35

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91	Synthesis and improved photocatalytic activity of ultrathin TiO ₂ nanosheets with nearly 100% exposed (001) facets. <i>Ceramics International</i> , 2014, 40, 16817-16823.	4.8	33
92	Constructing OD FeP Nanodots/2D g-C ₃ N ₄ Nanosheets Heterojunction for Highly Improved Photocatalytic Hydrogen Evolution. <i>ChemCatChem</i> , 2019, 11, 6310-6315.	3.7	33
93	Carbon Nanotube with Vertical 2D Molybdenum Sulphoselenide Nanosheet Arrays for Boosting Electrocatalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2018, 1, 7035-7045.	5.1	32
94	Band gap and morphology engineering of TiO ₂ by silica and fluorine co-doping for efficient ultraviolet and visible photocatalysis. <i>RSC Advances</i> , 2016, 6, 63117-63130.	3.6	30
95	synthesis of high-quality crystalline MoO ₃ nanobelts. <i>Crystal Research and Technology</i> , 2011, 46, 409-412.	1.3	29
96	Discovering DNA methylation patterns for long non-coding RNAs associated with cancer subtypes. <i>Computational Biology and Chemistry</i> , 2017, 69, 164-170.	2.3	27
97	Disclosing the High Activity of Ceramic Metallics in the Oxygen Evolution Reaction: Nickel Materials as a Case Study. <i>ChemSusChem</i> , 2016, 9, 2928-2932.	6.8	25
98	Mechanistic insights into charge carrier dynamics in MoSe ₂ /CdS heterojunctions for boosted photocatalytic hydrogen evolution. <i>Materials Today Physics</i> , 2020, 15, 100261.	6.0	23
99	GCDB-UNet: A novel robust cloud detection approach for remote sensing images. <i>Knowledge-Based Systems</i> , 2022, 238, 107890.	7.1	23
100	Synthesis and tribological properties of copper matrix solid self-lubricant composites reinforced with NbSe ₂ nanoparticles. <i>Crystal Research and Technology</i> , 2011, 46, 195-200.	1.3	22
101	Turning Trash into Treasure: Pencil Waste-Derived Materials for Solar-Powered Water Evaporation. <i>Energy Technology</i> , 2020, 8, 2000567.	3.8	22
102	A Computational Method Based on the Integration of Heterogeneous Networks for Predicting Disease-Gene Associations. <i>PLoS ONE</i> , 2011, 6, e24171.	2.5	22
103	Advances and Promises of 2D MXenes as Cocatalysts for Artificial Photosynthesis. <i>Solar Rrl</i> , 2021, 5, 2100603.	5.8	22
104	NIR-Responsive Single-Band Upconversion Emission through Energy Migration in Core-Shell Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	22
105	Controllable synthesis, characterization and growth mechanism of three-dimensional hierarchical PbWO ₄ microstructures. <i>CrystEngComm</i> , 2011, 13, 5119.	2.6	21
106	Identifying overlapping mutated driver pathways by constructing gene networks in cancer. <i>BMC Bioinformatics</i> , 2015, 16, S3.	2.6	21
107	Split-Read Indel and Structural Variant Calling Using PINDEL. <i>Methods in Molecular Biology</i> , 2018, 1833, 95-105.	0.9	20
108	Fabrication of doped SmBaCo ₂ O ₅ + δ double perovskites for enhanced solar-driven interfacial evaporation. <i>Ceramics International</i> , 2019, 45, 24903-24908.	4.8	20

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109	Activation of graphitic carbon nitride by solvent-mediated supramolecular assembly for enhanced hydrogen evolution. <i>Applied Surface Science</i> , 2020, 525, 146444.	6.1	20
110	Synthesis and tribological properties of NbSe ₃ nanofibers and NbSe ₂ microsheets. <i>Crystal Research and Technology</i> , 2011, 46, 400-404.	1.3	19
111	Insights Into Highly Improved Solar-Driven Photocatalytic Oxygen Evolution Over Integrated Ag ₃ PO ₄ /MoS ₂ Heterostructures. <i>Frontiers in Chemistry</i> , 2018, 6, 123.	3.6	19
112	In-situ fabrication of Ag/g-C ₃ N ₄ composite materials with improved photocatalytic activity by coordination-driven assembly of precursors. <i>Ceramics International</i> , 2016, 42, 5575-5581.	4.8	18
113	Mechanistic insights into the catalytic reduction of nitrophenols on noble metal nanoparticles/N-doped carbon black composites. <i>Composites Communications</i> , 2021, 23, 100580.	6.3	17
114	Tribological behavior of a charged atomic force microscope tip on graphene oxide films. <i>Nanotechnology</i> , 2012, 23, 495703.	2.6	16
115	Temperature-dependent synthesis of MOF-derived Co@N-doped carbon nanotube nanocomposites toward accelerated reduction of 4-nitrophenol. <i>Composites Communications</i> , 2021, 25, 100718.	6.3	16
116	Integrating bulk and single-cell RNA sequencing reveals cellular heterogeneity and immune infiltration in hepatocellular carcinoma. <i>Molecular Oncology</i> , 2022, 16, 2195-2213.	4.6	16
117	Solvent-induced controllable synthesis of recyclable Ag ₂ CO ₃ catalysts with enhanced visible light photocatalytic activity. <i>Ceramics International</i> , 2016, 42, 13411-13420.	4.8	13
118	Hierarchical AgAu alloy nanostructures for highly efficient electrocatalytic ethanol oxidation. <i>Chinese Journal of Catalysis</i> , 2022, 43, 851-861.	14.0	13
119	Cellular heterogeneity and transcriptomic profiles during intrahepatic cholangiocarcinoma initiation and progression. <i>Hepatology</i> , 2022, 76, 1302-1317.	7.3	13
120	Synthesis of two-dimensional ultrathin photocatalytic materials towards a more sustainable environment. <i>Green Chemistry</i> , 2022, 24, 4728-4741.	9.0	13
121	Integrating a Metal-Organic Framework into Natural Spruce Wood for Efficient Solar-Powered Water Evaporation. <i>Solar Rrl</i> , 2022, 6, .	5.8	13
122	Fabrication of a Stable Superhydrophobic Polypropylene Surface by Utilizing Acetone as a Non-Solvent. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 134-139.	2.4	12
123	Electric Control of Friction on Silicon Studied by Atomic Force Microscope. <i>Nano</i> , 2015, 10, 1550038.	1.0	12
124	Surface engineering of ultrasmall supported PdxBi nanoalloys with enhanced electrocatalytic activity for selective alcohol oxidation. <i>Chemical Communications</i> , 2019, 55, 13566-13569.	4.1	12
125	Surfactant-assisted synthesis of novel star-like PbWO ₄ hierarchical architectures. <i>Crystal Research and Technology</i> , 2010, 45, 1094-1098.	1.3	11
126	Haplotype-resolved Chinese male genome assembly based on high-fidelity sequencing. <i>Fundamental Research</i> , 2022, 2, 946-953.	3.3	11

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127	LWCDnet: A Lightweight Network for Efficient Cloud Detection in Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	11
128	Preparation, characterization and photocatalytic activities of ZrWMoO ₈ /Ag composites with core-shell structure. Applied Surface Science, 2012, 261, 593-597.	6.1	10
129	Comparative DNA methylation analysis to decipher common and cell type-specific patterns among multiple cell types. Briefings in Functional Genomics, 2016, 15, elw013.	2.7	10
130	A new one-step synthesis method for coating multi-walled carbon nanotubes with iron oxide nanorods. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	9
131	Detection of driver pathways using mutated gene network in cancer. Molecular BioSystems, 2016, 12, 2135-2141.	2.9	9
132	Nickel-Based Metal-Organic Framework-Derived Bifunctional Electrocatalysts for Hydrogen and Oxygen Evolution Reactions. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	4.9	9
133	Facile regeneration of oxidized porous carbon nitride rods by the de-aromatization of the heptazine network in bulk g-C ₃ N ₄ . Inorganic Chemistry Frontiers, 2022, 9, 1107-1114.	6.0	9
134	MEpurity: estimating tumor purity using DNA methylation data. Bioinformatics, 2019, 35, 5298-5300.	4.1	8
135	Greener solid state synthesis of a ternary lanthanum complex at room temperature. Journal of Coordination Chemistry, 2011, 64, 1617-1625.	2.2	7
136	Synthesis and characterization of mulberry-like Fe ₃ O ₄ /multiwalled carbon nanotube nanocomposites. Journal of Nanoparticle Research, 2011, 13, 5457-5464.	1.9	7
137	Facile morphology-controlled hydrothermal synthesis of flower-like self-organized ZnO architectures. Crystal Research and Technology, 2011, 46, 1189-1194.	1.3	7
138	Architecting a bifunctional solar evaporator of perovskite La _{0.5} Sr _{0.5} CoO ₃ for solar evaporation and degradation. Journal of Materials Science, 2021, 56, 18625-18635.	3.7	7
139	Mixed-dimensional 1D CdS/2D MoSe ₂ heterostructures for high-performance photocatalytic hydrogen production. Surfaces and Interfaces, 2021, 25, 101192.	3.0	7
140	Graphite-Controlled Fabrication of Ultrathin WSe ₂ Nanosheets with Tower-Like Structure and Their Tribological Properties. Tribology Transactions, 2012, 55, 297-301.	2.0	6
141	PVTree: A Sequential Pattern Mining Method for Alignment Independent Phylogeny Reconstruction. Genes, 2019, 10, 73.	2.4	6
142	Mako: A Graph-based Pattern Growth Approach to Detect Complex Structural Variants. Genomics, Proteomics and Bioinformatics, 2022, 20, 205-218.	6.9	6
143	NIR-Responsive Single-Band Upconversion Emission through Energy Migration in Core-Shell Nanostructures. Angewandte Chemie, 2022, 134, .	2.0	6
144	Synthesis and tribological properties of hexagonal titanium silicon carbide crystals. Crystal Research and Technology, 2011, 46, 178-182.	1.3	5

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145	Intrinsic Lattice Relationship of Catalyst/Nanowire Interfaces by Heating High-Resolution Transmission Electron Microscopy. <i>Crystal Growth and Design</i> , 2018, 18, 4911-4919.	3.0	5
146	A global survey of the transcriptome of the opium poppy (<i>Papaver somniferum</i>) based on single-molecule long-read isoform sequencing. <i>Plant Journal</i> , 2022, 110, 607-620.	5.7	5
147	Pd nanoparticles embedded in N-Enriched MOF-Derived architectures for efficient oxygen reduction reaction in alkaline media. <i>Green Energy and Environment</i> , 2023, 8, 1205-1215.	8.7	5
148	IAGS: Inferring Ancestor Genome Structure under a Wide Range of Evolutionary Scenarios. <i>Molecular Biology and Evolution</i> , 2022, 39, .	8.9	5
149	Characterization of lanthanum salicylate complex nanoparticles in situ synthesized in silica matrix by a sol-gel process. <i>Materials Letters</i> , 2004, 58, 757-761.	2.6	4
150	Hydrothermal synthesis and characterisation of glutamine-modified rod-like hydroxyapatite nanoparticles. <i>Micro and Nano Letters</i> , 2012, 7, 1292-1295.	1.3	4
151	Topochemical pyrolytic synthesis of quasi-Mxene hybrids via ionic liquid-iron phthalocyanine as a self-template. <i>Chemical Communications</i> , 2019, 55, 771-774.	4.1	4
152	Transportation, germs, culture: a dynamic graph model of COVID-19 outbreak. <i>Quantitative Biology</i> , 2020, 8, 238-244.	0.5	4
153	Syntheses of RE(Hsal)3·2H2O (RE=Eu, Y; Hsal ²⁻ =C7H5O3 ²⁻) by solid-state reactions at room temperature. <i>Materials Letters</i> , 2003, 57, 3609-3613.	2.6	3
154	Hierarchical construction of PbS architectures based on the adsorption and sustained release of H2S by TBAB. <i>Materials Chemistry and Physics</i> , 2011, 129, 1011-1019.	4.0	3
155	Fabrication of carbon-encapsulated tungsten diselenide nanorods. <i>Materials Letters</i> , 2011, 65, 1231-1233.	2.6	3
156	Bis(1/4-4-amino-3,5-dimethyl-4H-1,2,4-triazole)bis[diiodidozinc(II)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m26-m26.	0.2	3
157	Synthesis and organogelating behaviour of amino acid-functionalised triphenylenes. <i>Soft Matter</i> , 2017, 13, 5922-5932.	2.7	3
158	JAX-CNV: A Whole-genome Sequencing-based Algorithm for Copy Number Detection at Clinical Grade Level. <i>Genomics, Proteomics and Bioinformatics</i> , 2022, 20, 1197-1206.	6.9	3
159	Solid-State Reactions of Lanthanide(III) with Sodium Salicylate and 8-Hydroxyquinoline at Room Temperature. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2004, 34, 67-77.	1.8	2
160	Predicting the early risk of ophthalmopathy in Graves TM disease patients using TCR repertoire. <i>Clinical and Translational Medicine</i> , 2020, 10, e218.	4.0	2
161	Reversible Switching of the Amphiphilicity of Organic-Inorganic Hybrids by Adsorption-Desorption Manipulation. <i>Journal of Physical Chemistry C</i> , 2019, 123, 21097-21102.	3.1	1
162	Platelet Distribution Width: A Significant Predictor of Poor Outcome After Mechanical Thrombectomy. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2022, 31, 106273.	1.6	1

#	ARTICLE	IF	CITATIONS
163	gCanno: a graph-based single cell type annotation method. BMC Genomics, 2020, 21, 823.	2.8	0
164	Predicting the Early Risk of Ophthalmopathy in Graves' Disease Patients Using TCR Repertoire. SSRN Electronic Journal, 0, , .	0.4	0
165	Transportation, Germs, Culture: A Dynamic Graph Model of COVID-19 Outbreak. SSRN Electronic Journal, 0, , .	0.4	0
166	Efficient Harmonic Neural Networks With Compound Discrete Cosine Transform Filters and Shared Reconstruction Filters. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 693-707.	11.3	0