

Hui Xu

List of Publications by Year in descending order

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172
papers

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19608

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176
all docs

176
docs citations

176
times ranked

14714
citing authors

#	ARTICLE	IF	CITATIONS
1	A Luminescent Mixed-Lanthanide Metal-organic Framework Thermometer. <i>Journal of the American Chemical Society</i> , 2012, 134, 3979-3982.	6.6	1,033
2	High Efficiency Photocatalytic Water Splitting Using 2D $\text{Fe}_2\text{O}_3/\text{g-C}_3\text{N}_4$ Z-scheme Catalysts. <i>Advanced Energy Materials</i> , 2017, 7, 1700025.	10.2	664
3	Z-scheme 2D/2D Heterojunction of Black Phosphorus/Monolayer Bi_2WO_6 Nanosheets with Enhanced Photocatalytic Activities. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2073-2077.	7.2	445
4	A luminescent nanoscale metal-organic framework for sensing of nitroaromatic explosives. <i>Chemical Communications</i> , 2011, 47, 3153.	2.2	426
5	Recent progress in metal-organic frameworks-based hydrogels and aerogels and their applications. <i>Coordination Chemistry Reviews</i> , 2019, 398, 213016.	9.5	414
6	Metal-organic framework nanosheets for fast-response and highly sensitive luminescent sensing of Fe^{3+} . <i>Journal of Materials Chemistry A</i> , 2016, 4, 10900-10905.	5.2	412
7	Confinement of pyridinium hemicyanine dye within an anionic metal-organic framework for two-photon-pumped lasing. <i>Nature Communications</i> , 2013, 4, 2719.	5.8	381
8	Ionic liquid-induced strategy for carbon quantum dots/ BiOX (X = Br, Cl) hybrid nanosheets with superior visible light-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 260-269.	10.8	380
9	Electrochemical CO_2 Reduction with Atomic Iron-Dispersed on Nitrogen-Doped Graphene. <i>Advanced Energy Materials</i> , 2018, 8, 1703487.	10.2	369
10	Graphene-analogue carbon nitride: novel exfoliation synthesis and its application in photocatalysis and photoelectrochemical selective detection of trace amount of Cu^{2+} . <i>Nanoscale</i> , 2014, 6, 1406-1415.	2.8	351
11	A robust near infrared luminescent ytterbium metal-organic framework for sensing of small molecules. <i>Chemical Communications</i> , 2011, 47, 5551-5553.	2.2	345
12	Exfoliated graphene-like carbon nitride in organic solvents: enhanced photocatalytic activity and highly selective and sensitive sensor for the detection of trace amounts of Cu^{2+} . <i>Journal of Materials Chemistry A</i> , 2014, 2, 2563.	5.2	330
13	A ZnO-containing doubly interpenetrated porous metal-organic framework for photocatalytic decomposition of methyl orange. <i>Chemical Communications</i> , 2011, 47, 11715.	2.2	319
14	Synthesis of magnetic $\text{CoFe}_2\text{O}_4/\text{g-C}_3\text{N}_4$ composite and its enhancement of photocatalytic ability under visible-light. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 478, 71-80.	2.3	253
15	One-Pot Synthesis of Visible-Light-Driven Plasmonic Photocatalyst Ag/AgCl in Ionic Liquid. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 22-29.	4.0	211
16	Controllable synthesis of $\text{Bi}_4\text{O}_5\text{Br}_2$ ultrathin nanosheets for photocatalytic removal of ciprofloxacin and mechanism insight. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15108-15118.	5.2	202
17	Tunable titanium metal-organic frameworks with infinite 1D Ti-O rods for efficient visible-light-driven photocatalytic H_2 evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11928-11933.	5.2	192
18	Synthesis of $\text{g-C}_3\text{N}_4$ at different temperatures for superior visible/UV photocatalytic performance and photoelectrochemical sensing of MB solution. <i>RSC Advances</i> , 2015, 5, 101552-101562.	1.7	175

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19	Synthesis and characterization of CeO ₂ /g-C ₃ N ₄ composites with enhanced visible-light photocatalytic activity. RSC Advances, 2013, 3, 22269.	1.7	170
20	Morphology regulation of metal-organic framework-derived nanostructures for efficient oxygen evolution electrocatalysis. Journal of Materials Chemistry A, 2020, 8, 18215-18219.	5.2	168
21	Enhancing Oxygen Evolution Reaction through Modulating Electronic Structure of Trimetallic Electrocatalysts Derived from Metal-Organic Frameworks. Small, 2019, 15, e1901940.	5.2	163
22	Porous anatase TiO ₂ constructed from a metal-organic framework for advanced lithium-ion battery anodes. Journal of Materials Chemistry A, 2014, 2, 12571.	5.2	153
23	Single-Atom Coated Separator for Robust Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2019, 11, 25147-25154.	4.0	152
24	Construction of a 2D Graphene-Like MoS ₂ /C ₃ N ₄ Heterojunction with Enhanced Visible-Light Photocatalytic Activity and Photoelectrochemical Activity. Chemistry - A European Journal, 2016, 22, 4764-4773.	1.7	149
25	A microporous metal-organic framework with both open metal and Lewis basic pyridyl sites for highly selective C ₂ H ₂ /CH ₄ and C ₂ H ₂ /CO ₂ gas separation at room temperature. Journal of Materials Chemistry A, 2013, 1, 77-81.	5.2	148
26	A luminescent nanoscale metal-organic framework with controllable morphologies for spore detection. Chemical Communications, 2012, 48, 7377.	2.2	146
27	One-pot synthesis of copper-doped graphitic carbon nitride nanosheet by heating Cu-melamine supramolecular network and its enhanced visible-light-driven photocatalysis. Journal of Solid State Chemistry, 2015, 228, 60-64.	1.4	140
28	A New Approach to Construct a Doubly Interpenetrated Microporous Metal-Organic Framework of Primitive Cubic Net for Highly Selective Sorption of Small Hydrocarbon Molecules. Chemistry - A European Journal, 2011, 17, 7817-7822.	1.7	137
29	Carbon Quantum Dots Induced Ultrasmall BiOI Nanosheets with Assembled Hollow Structures for Broad Spectrum Photocatalytic Activity and Mechanism Insight. Langmuir, 2016, 32, 2075-2084.	1.6	136
30	Direct Synthesis of Porous Nanorod-Type Graphitic Carbon Nitride/CuO Composite from Cu-Melamine Supramolecular Framework towards Enhanced Photocatalytic Performance. Chemistry - an Asian Journal, 2015, 10, 1276-1280.	1.7	131
31	Gold Nanoparticles and g-C ₃ N ₄ -Intercalated Graphene Oxide Membrane for Recyclable Surface Enhanced Raman Scattering. Advanced Functional Materials, 2017, 27, 1701714.	7.8	129
32	Different Morphologies of SnS ₂ Supported on 2D g-C ₃ N ₄ for Excellent and Stable Visible Light Photocatalytic Hydrogen Generation. ACS Sustainable Chemistry and Engineering, 2018, 6, 5132-5141.	3.2	125
33	Facile Gel-Based Morphological Control of Ag/g-C ₃ N ₄ Porous Nanofibers for Photocatalytic Hydrogen Generation. ACS Sustainable Chemistry and Engineering, 2017, 5, 10633-10639.	3.2	122
34	Recent advance in single-atom catalysis. Rare Metals, 2021, 40, 767-789.	3.6	116
35	Magnetic g-C ₃ N ₄ /NiFe ₂ O ₄ hybrids with enhanced photocatalytic activity. RSC Advances, 2015, 5, 57960-57967.	1.7	110
36	Metal-Oxide-Mediated Subtractive Manufacturing of Two-Dimensional Carbon Nitride for High-Efficiency and High-Yield Photocatalytic H ₂ Evolution. ACS Nano, 2019, 13, 11294-11302.	7.3	109

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37	A Zr-MOF nanoflower sensor and its mixed-matrix membrane for the highly sensitive detection of nitroaromatics. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7469-7475.	2.7	105
38	A ketone functionalized luminescent terbium metal-organic framework for sensing of small molecules. <i>Chemical Communications</i> , 2015, 51, 376-379.	2.2	97
39	A Doubly Interpenetrated Metal-Organic Framework with Open Metal Sites and Suitable Pore Sizes for Highly Selective Separation of Small Hydrocarbons at Room Temperature. <i>Crystal Growth and Design</i> , 2013, 13, 2094-2097.	1.4	96
40	Reversible Formation of $g-C_3N_4$ 3D Hydrogels through Ionic Liquid Activation: Gelation Behavior and Room-Temperature Gas Sensing Properties. <i>Advanced Functional Materials</i> , 2017, 27, 1700653.	7.8	90
41	Rapid synthesis of ultrathin 2D materials through liquid-nitrogen and microwave treatments. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5209-5213.	5.2	89
42	Enhanced Photocatalytic Activity of Ag_3VO_4 Loaded with Rare-Earth Elements under Visible-Light Irradiation. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 10771-10778.	1.8	88
43	Visible-light-driven $Ag/AgBr/ZnFe_2O_4$ composites with excellent photocatalytic activity for <i>E. coli</i> disinfection and organic pollutant degradation. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 555-566.	5.0	84
44	A cationic microporous metal-organic framework for highly selective separation of small hydrocarbons at room temperature. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9916.	5.2	83
45	An -OH group functionalized MOF for ratiometric Fe^{3+} sensing. <i>Journal of Solid State Chemistry</i> , 2018, 258, 441-446.	1.4	82
46	3D Coral-Like Ni_3S_2 on Ni Foam as a Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31330-31339.	4.0	80
47	An All-Organic D-A System for Visible-Light-Driven Overall Water Splitting. <i>Small</i> , 2020, 16, e2003914.	5.2	80
48	Engineering black phosphorus to porous $g-C_3N_4$ -metal-organic framework membrane: a platform for highly boosting photocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4408-4414.	5.2	79
49	Hierarchical <i>Z</i> -scheme $g-C_3N_4/Au/ZnIn_2S_4$ photocatalyst for highly enhanced visible-light photocatalytic nitric oxide removal and carbon dioxide conversion. <i>Environmental Science: Nano</i> , 2020, 7, 676-687.	2.2	79
50	Graphene quantum dots modified flower like Bi_2WO_6 for enhanced photocatalytic nitrogen fixation. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 498-505.	5.0	78
51	Synthesis and characterization of $g-C_3N_4/Ag_2CO_3$ with enhanced visible-light photocatalytic activity for the degradation of organic pollutants. <i>RSC Advances</i> , 2014, 4, 34539.	1.7	77
52	Plasma treated Bi_2WO_6 ultrathin nanosheets with oxygen vacancies for improved photocatalytic CO_2 reduction. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 597-602.	3.0	77
53	Synthesis and photocatalytic activity of a bentonite/ $g-C_3N_4$ composite. <i>RSC Advances</i> , 2014, 4, 11831.	1.7	76
54	A Specifically Exposed Cobalt Oxide/Carbon Nitride 2D Heterostructure for Carbon Dioxide Photoreduction. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 17394-17400.	1.8	76

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55	Non-metal photocatalyst nitrogen-doped carbon nanotubes modified mpg-C ₃ N ₄ : facile synthesis and the enhanced visible-light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 38-46.	5.0	74
56	Hydrothermal synthesis of mpg-C ₃ N ₄ and Bi ₂ WO ₆ nest-like structure nano hybrids with enhanced visible light photocatalytic activities. <i>RSC Advances</i> , 2017, 7, 38682-38690.	1.7	73
57	Trimetallic Metal-Organic Framework Derived Carbon-Based Nanoflower Electrocatalysts for Efficient Overall Water Splitting. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900290.	1.9	72
58	A multidimensional In ₂ S ₃ @CuInS ₂ heterostructure for photocatalytic carbon dioxide reduction. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 3163-3169.	3.0	67
59	A metal-organic framework for selectively sensing of PO ₄ ³⁻ anion in aqueous solution. <i>Journal of Alloys and Compounds</i> , 2011, 509, 2552-2554.	2.8	66
60	Ionic liquid-assisted synthesis and improved photocatalytic activity of p-n junction g-C ₃ N ₄ /BiOCl. <i>Journal of Materials Science</i> , 2016, 51, 4769-4777.	1.7	65
61	Recyclable Visible Light-Driven O-g-C ₃ N ₄ /Graphene Oxide/N-Carbon Nanotube Membrane for Efficient Removal of Organic Pollutants. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42427-42435.	4.0	65
62	Hexamethylenetetramine-assisted hydrothermal synthesis of octahedral nickel ferrite oxide nanocrystallines with excellent supercapacitive performance. <i>Journal of Materials Science</i> , 2018, 53, 7621-7636.	1.7	63
63	In situ construction efficient visible-light-driven three-dimensional Polypyrrole/Zn ₃ In ₂ S ₆ nanoflower to systematically explore the photoreduction of Cr(VI): Performance, factors and mechanism. <i>Journal of Hazardous Materials</i> , 2020, 384, 121480.	6.5	61
64	Construction of SnO ₂ /graphene-like g-C ₃ N ₄ with enhanced visible light photocatalytic activity. <i>RSC Advances</i> , 2017, 7, 36101-36111.	1.7	59
65	Synthesis and photocatalytic activity of g-C ₃ N ₄ /BiOI/BiOBr ternary composites. <i>RSC Advances</i> , 2016, 6, 41204-41213.	1.7	58
66	Benzimidazole-functionalized Zr-UiO-66 nanocrystals for luminescent sensing of Fe ³⁺ in water. <i>Journal of Solid State Chemistry</i> , 2017, 245, 160-163.	1.4	58
67	Synthesis of zinc ferrite/silver iodide composite with enhanced photocatalytic antibacterial and pollutant degradation ability. <i>Journal of Colloid and Interface Science</i> , 2018, 528, 70-81.	5.0	58
68	Scheme 2D/2D Heterojunction of Black Phosphorus/Monolayer Bi ₂ WO ₆ Nanosheets with Enhanced Photocatalytic Activities. <i>Angewandte Chemie</i> , 2019, 131, 2095-2099.	1.6	58
69	Magnetically separable Fe ₂ O ₃ /g-C ₃ N ₄ catalyst with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 95727-95735.	1.7	57
70	Accelerating Photogenerated Charge Kinetics via the Synergetic Utilization of 2D Semiconducting Structural Advantages and Noble-Metal-Free Schottky Junction Effect. <i>Small</i> , 2019, 15, e1804613.	5.2	56
71	Enhanced long-wavelength light utilization with polyaniline/bismuth-rich bismuth oxyhalide composite towards photocatalytic degradation of antibiotics. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 101-111.	5.0	53
72	Nitrogen-rich graphitic carbon nitride nanotubes for photocatalytic hydrogen evolution with simultaneous contaminant degradation. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 555-564.	5.0	53

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73	Understanding Photoelectrochemical Water Oxidation with X-ray Absorption Spectroscopy. ACS Energy Letters, 2020, 5, 975-993.	8.8	52
74	Graphitic Carbon Nitride Nanorods for Photoelectrochemical Sensing of Trace Copper(II) Ions. European Journal of Inorganic Chemistry, 2014, 2014, 3665-3673.	1.0	51
75	High yield synthesis of nano-size g-C ₃ N ₄ derivatives by a dissolve-regrowth method with enhanced photocatalytic ability. RSC Advances, 2015, 5, 26281-26290.	1.7	51
76	Magnetically Separable Fe ₃ O ₄ Nanoparticles-Decorated Reduced Graphene Oxide Nanocomposite for Catalytic Wet Hydrogen Peroxide Oxidation. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 907-916.	1.9	50
77	g-C ₃ N ₄ /TiO ₂ Nanocomposites for Degradation of Ciprofloxacin under Visible Light Irradiation. ChemistrySelect, 2016, 1, 5679-5685.	0.7	50
78	Bimetallic metal-organic framework nanosheets as efficient electrocatalysts for oxygen evolution reaction. Journal of Solid State Chemistry, 2019, 272, 32-37.	1.4	47
79	Accelerated Photoreduction of CO ₂ to CO over a Stable Heterostructure with a Seamless Interface. ACS Applied Materials & Interfaces, 2021, 13, 39523-39532.	4.0	47
80	Anchoring Copper Single Atoms on Porous Boron Nitride Nanofiber to Boost Selective Reduction of Nitroaromatics. ACS Nano, 2022, 16, 4152-4161.	7.3	47
81	Enhanced photoelectrochemical aptasensing triggered by nitrogen deficiency and cyano group simultaneously engineered 2D carbon nitride for sensitively monitoring atrazine. Biosensors and Bioelectronics, 2022, 206, 114144.	5.3	47
82	Two Co-zeolite imidazolate frameworks with different topologies for degradation of organic dyes via peroxymonosulfate activation. Journal of Solid State Chemistry, 2017, 256, 10-13.	1.4	44
83	Efficient photocatalytic hydrogen evolution mediated by defect-rich 1T-PtS ₂ atomic layer nanosheet modified mesoporous graphitic carbon nitride. Journal of Materials Chemistry A, 2019, 7, 18906-18914.	5.2	44
84	Novel Ag ₂ S quantum dot modified 3D flower-like SnS ₂ composites for photocatalytic and photoelectrochemical applications. Inorganic Chemistry Frontiers, 2018, 5, 63-72.	3.0	43
85	An efficient broad spectrum-driven carbon and oxygen co-doped g-C ₃ N ₄ for the photodegradation of endocrine disrupting: Mechanism, degradation pathway, DFT calculation and toluene selective oxidation. Journal of Hazardous Materials, 2021, 401, 123309.	6.5	43
86	A core-shell structured magnetic Ag/AgBr@Fe ₂ O ₃ composite with enhanced photocatalytic activity for organic pollutant degradation and antibacterium. RSC Advances, 2015, 5, 71035-71045.	1.7	41
87	A Z-scheme magnetic recyclable Ag/AgBr@CoFe ₂ O ₄ photocatalyst with enhanced photocatalytic performance for pollutant and bacterial elimination. RSC Advances, 2017, 7, 30845-30854.	1.7	40
88	Two-dimensional Co@N-Carbon Nanocomposites Facilely Derived from Metal-Organic Framework Nanosheets for Efficient Bifunctional Electrocatalysis. Chemistry - an Asian Journal, 2018, 13, 1485-1491.	1.7	39
89	Porous defective carbon nitride obtained by a universal method for photocatalytic hydrogen production from water splitting. Journal of Colloid and Interface Science, 2020, 566, 171-182.	5.0	39
90	Preparation and thiols sensing of luminescent metal-organic framework films functionalized with lanthanide ions. Microporous and Mesoporous Materials, 2013, 179, 198-204.	2.2	38

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91	Unique Dual-Sites Boosting Overall CO ₂ Photoconversion by Hierarchical Electron Harvesters. <i>Small</i> , 2021, 17, e2103796.	5.2	38
92	Modification of Ag ₃ VO ₄ with graphene-like MoS ₂ for enhanced visible-light photocatalytic property and stability. <i>New Journal of Chemistry</i> , 2016, 40, 2168-2177.	1.4	37
93	Metallic cobalt nanoparticles embedded in sulfur and nitrogen co-doped rambutan-like nanocarbons for the oxygen reduction reaction under both acidic and alkaline conditions. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14291-14301.	5.2	37
94	Graphene-analogue boron nitride/Ag ₃ PO ₄ composite for efficient visible-light-driven photocatalysis. <i>RSC Advances</i> , 2014, 4, 56853-56862.	1.7	36
95	Small-molecule axon-polarization studies enabled by a shear-free microfluidic gradient generator. <i>Lab on A Chip</i> , 2014, 14, 2047-2056.	3.1	36
96	Chemical reduction implanted oxygen vacancy on the surface of 1D MoO ₃ /g-C ₃ N ₄ composite for boosted LED light-driven photoactivity. <i>Journal of Materials Science</i> , 2019, 54, 5343-5358.	1.7	36
97	Novel broad-spectrum-driven oxygen-linked band and porous defect co-modified orange carbon nitride for photodegradation of Bisphenol A and 2-Mercaptobenzothiazole. <i>Journal of Hazardous Materials</i> , 2020, 396, 122659.	6.5	36
98	Improved Water Oxidation of Fe ₂ O ₃ /Fe ₂ TiO ₅ Photoanode by Functionalizing with a Hydrophilic Organic Hole Storage Overlayer. <i>ACS Catalysis</i> , 2022, 12, 7833-7842.	5.5	36
99	Highly Efficient Visible-Light-Driven Schottky Catalyst MoN/2D g-C ₃ N ₄ for Hydrogen Production and Organic Pollutants Degradation. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 8863-8870.	1.8	35
100	Preparation of magnetic Ag/AgCl/CoFe ₂ O ₄ composites with high photocatalytic and antibacterial ability. <i>RSC Advances</i> , 2015, 5, 41475-41483.	1.7	32
101	Core-shell magnetic Ag/AgCl@Fe ₂ O ₃ photocatalysts with enhanced photoactivity for eliminating bisphenol A and microbial contamination. <i>New Journal of Chemistry</i> , 2016, 40, 3413-3422.	1.4	32
102	Titanium metal-organic framework nanorods for highly sensitive nitroaromatic explosives detection and nanomolar sensing of Fe ³⁺ . <i>Journal of Solid State Chemistry</i> , 2019, 278, 120892.	1.4	32
103	Self-assembly construction of NiCo LDH/ultrathin g-C ₃ N ₄ nanosheets photocatalyst for enhanced CO ₂ reduction and charge separation mechanism study. <i>Rare Metals</i> , 2022, 41, 2118-2128.	3.6	32
104	Design of 3D WO ₃ /h-BN nanocomposites for efficient visible-light-driven photocatalysis. <i>RSC Advances</i> , 2017, 7, 25160-25170.	1.7	31
105	Graphene oxide-modified LaVO ₄ nanocomposites with enhanced photocatalytic degradation efficiency of antibiotics. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2818-2828.	3.0	31
106	Fabrication of magnetic BaFe ₁₂ O ₁₉ /Ag ₃ PO ₄ composites with an <i>in situ</i> photo-Fenton-like reaction for enhancing reactive oxygen species under visible light irradiation. <i>Catalysis Science and Technology</i> , 2019, 9, 2563-2570.	2.1	30
107	Nitriding Nickel-Based Cocatalyst: A Strategy To Maneuver Hydrogen Evolution Capacity for Enhanced Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 884-892.	3.2	30
108	Plasma-induced defect engineering: Boosted the reverse water gas shift reaction performance with electron trap. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 814-821.	5.0	29

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109	MO degradation by Ag@Ag ₂ O/g-C ₃ N ₄ composites under visible-light irradiation. SpringerPlus, 2016, 5, 369.	1.2	28
110	Novel visible-light-driven Fe ₂ O ₃ /Ag ₃ VO ₄ composite with enhanced photocatalytic activity toward organic pollutants degradation. RSC Advances, 2016, 6, 3600-3607.	1.7	28
111	Accelerating the Hole Mobility of Graphitic Carbon Nitride for Photocatalytic Hydrogen Evolution via 2D/2D Heterojunction Structural Advantages and Ni(OH) ₂ Characteristic. Solar Rrl, 2020, 4, 1900538.	3.1	28
112	Bimetallic Metal-Organic Framework-Derived Nanosheet-Assembled Nanoflower Electrocatalysts for Efficient Oxygen Evolution Reaction. Chemistry - an Asian Journal, 2019, 14, 1590-1594.	1.7	27
113	Realizing the synergistic effect of electronic modulation over graphitic carbon nitride for highly efficient photodegradation of bisphenol A and 2-mercaptobenzothiazole: Mechanism, degradation pathway and density functional theory calculation. Journal of Colloid and Interface Science, 2021, 583, 113-127.	5.0	26
114	Graphene Oxide-Loaded SnO ₂ Quantum Wires with Sub-4 Nanometer Diameters for Low-Temperature H ₂ S Gas Sensing. ACS Applied Nano Materials, 2020, 3, 6385-6393.	2.4	25
115	The CeO ₂ /Ag ₃ PO ₄ photocatalyst with stability and high photocatalytic activity under visible light irradiation. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2356-2363.	0.8	24
116	Facile synthesis of CNT/AgI with enhanced photocatalytic degradation and antibacterial ability. RSC Advances, 2016, 6, 6905-6914.	1.7	23
117	Preparation of oxygen-deficient 2D WO _{3-x} nanoplates and their adsorption behaviors for organic pollutants: equilibrium and kinetics modeling. Journal of Materials Science, 2019, 54, 12463-12475.	1.7	23
118	Oxidative Absorption of Elemental Mercury from Flue Gas Using a Modified Fenton-like Wet Scrubbing System. Energy & Fuels, 2019, 33, 3028-3033.	2.5	23
119	Construction of solid-liquid interfacial Fenton-like reaction under visible light irradiation over etched CoFe ₂ O ₄ /BiOBr photocatalysts. Catalysis Science and Technology, 2018, 8, 551-561.	2.1	22
120	Enhanced visible-light-driven photocatalytic activity of Ag ₃ PO ₄ /metal-organic framework composite. Polyhedron, 2019, 163, 1-6.	1.0	22
121	A fluorescent titanium-based metal-organic framework sensor for nitroaromatics and nanomolar Fe ³⁺ detection. Journal of Solid State Chemistry, 2020, 288, 121391.	1.4	22
122	Distributed-feedback laser actions in zirconia-ORMOSIL waveguides based on energy transfer between co-doped laser dyes. Optics Communications, 2008, 281, 5218-5221.	1.0	21
123	Porous silver microrods by plasma vulcanization activation for enhanced electrocatalytic carbon dioxide reduction. Journal of Colloid and Interface Science, 2022, 606, 793-799.	5.0	21
124	Plasmonic-Enhanced Visible-Light-Driven Photocatalytic Activity of Ag@AgBr Synthesized in Reactable Ionic Liquid. Journal of Chemical Technology and Biotechnology, 2012, 87, 1626-1633.	1.6	20
125	Tailoring of crystalline structure of carbon nitride for superior photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2019, 556, 324-334.	5.0	20
126	Minireview on the Commonly Applied Copper-Based Electrocatalysts for Electrochemical CO ₂ Reduction. Energy & Fuels, 2021, 35, 8585-8601.	2.5	20

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127	Facet-dependent CdS/Bi ₂ TaO ₈ /Cl Z-scheme heterojunction for enhanced photocatalytic tetracycline hydrochloride degradation and the carrier separation mechanism study via single-particle spectroscopy. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2252-2263.	3.0	20
128	Designing Visible-Light-Driven Z-scheme Catalyst 2D g-C ₃ N ₄ /Bi ₂ MoO ₆ : Enhanced Photodegradation Activity of Organic Pollutants. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800520.	0.8	19
129	Highly efficient photosynthesis of H ₂ O ₂ via two-channel pathway photocatalytic water splitting. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1701-1707.	3.0	19
130	Synthesis of Multiwalled Carbon Nanotube Modified BiOCl Microspheres with Enhanced Visible-Light Response Photoactivity. <i>Clean - Soil, Air, Water</i> , 2016, 44, 781-787.	0.7	18
131	Designing Z-scheme 2D ₃ N ₄ /Ag ₃ VO ₄ hybrid structures for improved photocatalysis and photocatalytic mechanism insight. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600946.	0.8	18
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