Yuanguo Xu

List of Publications by Year
in descending order

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158 papers	11,253 citations	26610 56 h-index	32815 100 g-index
160 all docs	160 docs citations	160 times ranked	10396 citing authors

#	Article	IF	Citations
1	Novel visible-light-driven AgX/graphite-like C3N4 (X=Br, I) hybrid materials with synergistic photocatalytic activity. Applied Catalysis B: Environmental, 2013, 129, 182-193.	10.8	595
2	Visible-light-induced WO3/g-C3N4 composites with enhanced photocatalytic activity. Dalton Transactions, 2013, 42, 8606.	1.6	445
3	Preparation of sphere-like g-C3N4/BiOI photocatalysts via a reactable ionic liquid for visible-light-driven photocatalytic degradation of pollutants. Journal of Materials Chemistry A, 2014, 2, 5340.	5.2	439
4	Graphene-analogue carbon nitride: novel exfoliation synthesis and its application in photocatalysis and photoelectrochemical selective detection of trace amount of Cu²⁺. Nanoscale, 2014, 6, 1406-1415.	2.8	351
5	Exfoliated graphene-like carbon nitride in organic solvents: enhanced photocatalytic activity and highly selective and sensitive sensor for the detection of trace amounts of Cu2+. Journal of Materials Chemistry A, 2014, 2, 2563.	5.2	330
6	Synthesis of magnetic CoFe2O4/g-C3N4 composite and its enhancement of photocatalytic ability under visible-light. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 478, 71-80.	2.3	253
7	Graphene quantum dots modified mesoporous graphite carbon nitride with significant enhancement of photocatalytic activity. Applied Catalysis B: Environmental, 2017, 207, 429-437.	10.8	238
8	Improved visible light photocatalytic activity of sphere-like BiOBr hollow and porous structures synthesized via a reactable ionic liquid. Dalton Transactions, 2011, 40, 5249.	1.6	236
9	Synthesis and characterization of g-C3N4/MoO3 photocatalyst with improved visible-light photoactivity. Applied Surface Science, 2013, 283, 25-32.	3.1	227
10	The CNT modified white C3N4 composite photocatalyst with enhanced visible-light response photoactivity. Dalton Transactions, 2013, 42, 7604.	1.6	226
11	Novel magnetic CoFe 2 O 4 /Ag/Ag 3 VO 4 composites: Highly efficient visible light photocatalytic and antibacterial activity. Applied Catalysis B: Environmental, 2016, 199, 11-22.	10.8	211
12	Synthesis, characterization and photocatalytic property of AgBr/BiPO4 heterojunction photocatalyst. Dalton Transactions, 2012, 41, 3387.	1.6	204
13	Constructing magnetic catalysts with in-situ solid-liquid interfacial photo-Fenton-like reaction over Ag3PO4@NiFe2O4 composites. Applied Catalysis B: Environmental, 2018, 225, 40-50.	10.8	175
14	Facile fabrication of the visible-light-driven Bi₂WO₆/BiOBr composite with enhanced photocatalytic activity. RSC Advances, 2014, 4, 82-90.	1.7	174
15	Synthesis and characterization of CeO2/g-C3N4 composites with enhanced visible-light photocatatalytic activity. RSC Advances, 2013, 3, 22269.	1.7	170
16	Solvothermal synthesis of metallic 1T-WS2: A supporting co-catalyst on carbon nitride nanosheets toward photocatalytic hydrogen evolution. Chemical Engineering Journal, 2018, 335, 282-289.	6.6	161
17	Synthesis of g-C3N4/Ag3VO4 composites with enhanced photocatalytic activity under visible light irradiation. Chemical Engineering Journal, 2015, 271, 96-105.	6.6	158
18	Construction of novel CNT/LaVO4 nanostructures for efficient antibiotic photodegradation. Chemical Engineering Journal, 2019, 357, 487-497.	6.6	158

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19	Removal of cationic dyes from aqueous solution by adsorption onto hydrophobic/hydrophilic silica aerogel. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 509, 539-549.	2.3	150
20	Construction of a 2D Grapheneâ€Like MoS₂/C₃N₄ Heterojunction with Enhanced Visibleâ€Light Photocatalytic Activity and Photoelectrochemical Activity. Chemistry - A European Journal, 2016, 22, 4764-4773.	1.7	149
21	Enhanced photocatalytic activity of new photocatalyst Ag/AgCl/ZnO. Journal of Alloys and Compounds, 2011, 509, 3286-3292.	2.8	147
22	Three dimensional polyaniline/MgIn2S4 nanoflower photocatalysts accelerated interfacial charge transfer for the photoreduction of Cr(VI), photodegradation of organic pollution and photocatalytic H2 production. Chemical Engineering Journal, 2019, 360, 1601-1612.	6.6	142
23	Controllable synthesis of CeO₂/g-C₃N₄ composites and their applications in the environment. Dalton Transactions, 2015, 44, 7021-7031.	1.6	125
24	Different Morphologies of SnS₂ Supported on 2D g-C₃N₄ for Excellent and Stable Visible Light Photocatalytic Hydrogen Generation. ACS Sustainable Chemistry and Engineering, 2018, 6, 5132-5141.	3.2	125
25	CNT/Ag3PO4 composites with highly enhanced visible light photocatalytic activity and stability. Chemical Engineering Journal, 2014, 241, 35-42.	6.6	114
26	One-pot solvothermal synthesis of Cu-modified BiOCl via a Cu-containing ionic liquid and its visible-light photocatalytic properties. RSC Advances, 2014, 4, 14281.	1.7	111
27	Magnetic g-C₃N₄/NiFe₂O₄ hybrids with enhanced photocatalytic activity. RSC Advances, 2015, 5, 57960-57967.	1.7	110
28	Phase and interlayer effect of transition metal dichalcogenide cocatalyst toward photocatalytic hydrogen evolution: The case of MoSe2. Applied Catalysis B: Environmental, 2019, 243, 330-336.	10.8	105
29	In situ growth of M-MO (MÂ= Ni, Co) in 3D graphene as a competent bifunctional electrocatalyst for OER and HER. Electrochimica Acta, 2019, 298, 163-171.	2.6	104
30	One-step synthesis of Fe-doped surface-alkalinized g-C3N4 and their improved visible-light photocatalytic performance. Applied Surface Science, 2019, 469, 739-746.	3.1	103
31	Synthesis, characterization and photocatalytic activities of rare earth-loaded BiVO4 catalysts. Applied Surface Science, 2009, 256, 597-602.	3.1	92
32	In situ oxidation synthesis of visible-light-driven plasmonic photocatalyst Ag/AgCl/g-C3N4 and its activity. Ceramics International, 2014, 40, 9293-9301.	2.3	92
33	A novel visible-light-response plasmonic photocatalyst CNT/Ag/AgBr and its photocatalytic properties. Physical Chemistry Chemical Physics, 2013, 15, 5821.	1.3	91
34	Reversible Formation of gâ€C₃N₄ 3D Hydrogels through Ionic Liquid Activation: Gelation Behavior and Roomâ€Temperature Gasâ€Sensing Properties. Advanced Functional Materials, 2017, 27, 1700653.	7.8	90
35	Direct Z-scheme red carbon nitride/rod-like lanthanum vanadate composites with enhanced photodegradation of antibiotic contaminants. Applied Catalysis B: Environmental, 2020, 277, 119245.	10.8	90
36	A plasmonic photocatalyst of Ag/AgBr nanoparticles coupled with g-C3N4 with enhanced visible-light photocatalytic ability. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 474-483.	2.3	89

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37	Enhanced Photocatalytic Activity of Ag₃VO₄ Loaded with Rare-Earth Elements under Visible-Light Irradiation. Industrial & Engineering Chemistry Research, 2009, 48, 10771-10778.	1.8	88
38	Sulfur promoted n-Ï€* electron transitions in thiophene-doped g-C3N4 for enhanced photocatalytic activity. Chinese Journal of Catalysis, 2021, 42, 450-459.	6.9	87
39	Visible-light-driven Ag/AgBr/ZnFe2O4 composites with excellent photocatalytic activity for E. coli disinfection and organic pollutant degradation. Journal of Colloid and Interface Science, 2018, 512, 555-566.	5.0	84
40	Facile preparation of NiFe2O4/MoS2 composite material with synergistic effect for high performance supercapacitor. Journal of Alloys and Compounds, 2017, 726, 608-617.	2.8	83
41	Enhancing reactive oxygen species generation and photocatalytic performance via adding oxygen reduction reaction catalysts into the photocatalysts. Applied Catalysis B: Environmental, 2017, 218, 174-185.	10.8	82
42	Enhanced photocatalytic activity of ternary Ag3PO4/GO/g-C3N4 photocatalysts for Rhodamine B degradation under visible light radiation. Applied Surface Science, 2019, 466, 70-77.	3.1	81
43	AgI/Ag3PO4 heterojunction composites with enhanced photocatalytic activity under visible light irradiation. Applied Surface Science, 2013, 287, 178-186.	3.1	79
44	Conjugated conducting polymers PANI decorated Bi12O17Cl2 photocatalyst with extended light response range and enhanced photoactivity. Applied Surface Science, 2019, 464, 552-561.	3.1	76
45	Non-metal photocatalyst nitrogen-doped carbon nanotubes modified mpg-C3N4: facile synthesis and the enhanced visible-light photocatalytic activity. Journal of Colloid and Interface Science, 2017, 494, 38-46.	5.0	74
46	Hydrothermal synthesis of mpg-C₃N₄ and Bi₂WO₆ nest-like structure nanohybrids with enhanced visible light photocatalytic activities. RSC Advances, 2017, 7, 38682-38690.	1.7	73
47	Synthesis of few-layer MoS₂ nanosheet-loaded Ag₃PO₄ for enhanced photocatalytic activity. Dalton Transactions, 2015, 44, 3057-3066.	1.6	71
48	Non-covalent modification of graphene oxide nanocomposites with chitosan/dextran and its application in drug delivery. RSC Advances, 2016, 6, 9328-9337.	1.7	69
49	1D metallic MoO2-C as co-catalyst on 2D g-C3N4 semiconductor to promote photocatlaytic hydrogen production. Applied Surface Science, 2018, 447, 732-739.	3.1	69
50	A multidimensional In₂S₃â€“CuInS₂ heterostructure for photocatalytic carbon dioxide reduction. Inorganic Chemistry Frontiers, 2018, 5, 3163-3169.	3.0	67
51	Facile preparation of TiO2/C3N4 hybrid materials with enhanced capacitive properties for high performance supercapacitors. Journal of Alloys and Compounds, 2017, 702, 178-185.	2.8	66
52	Novel magnetic BaFe12O19/g-C3N4 composites with enhanced thermocatalytic and photo-Fenton activity under visible-light. Journal of Alloys and Compounds, 2017, 710, 510-518.	2.8	63
53	Chitosan/sodium alginate modificated graphene oxide-based nanocomposite as a carrier for drug delivery. Ceramics International, 2016, 42, 17798-17805.	2.3	62
54	Carbon nitride nanowires/nanofibers: A novel template-free synthesis from a cyanuric chlorideâ€“melamine precursor towards enhanced adsorption and visible-light photocatalytic performance. Ceramics International, 2016, 42, 4158-4170.	2.3	62

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55	In situ construction efficient visible-light-driven three-dimensional Polypyrrole/Zn3In2S6 nanoflower to systematically explore the photoreduction of Cr(VI): Performance, factors and mechanism. Journal of Hazardous Materials, 2020, 384, 121480.	6.5	61
56	Construction of SnO₂/graphene-like g-C₃N₄with enhanced visible light photocatalytic activity. RSC Advances, 2017, 7, 36101-36111.	1.7	59
57	Controllable synthesis of hexagon-shaped Î²-AgI nanoplates in reactable ionic liquid and their photocatalytic activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 410, 23-30.	2.3	58
58	Synthesis and photocatalytic activity of g-C₃N₄/BiOI/BiOBr ternary composites. RSC Advances, 2016, 6, 41204-41213.	1.7	58
59	Synthesis of zinc ferrite/silver iodide composite with enhanced photocatalytic antibacterial and pollutant degradation ability. Journal of Colloid and Interface Science, 2018, 528, 70-81.	5.0	58
60	Synthesis, characterization and visible-light photocatalytic performance of Ag2CO3 modified by graphene-oxide. Journal of Alloys and Compounds, 2014, 592, 258-265.	2.8	57
61	Magnetically separable Fe2O3/g-C3N4 catalyst with enhanced photocatalytic activity. RSC Advances, 2015, 5, 95727-95735.	1.7	57
62	Low-crystalline mesoporous CoFe₂O₄/C composite with oxygen vacancies for high energy density asymmetric supercapacitors. RSC Advances, 2017, 7, 55513-55522.	1.7	55
63	Ternary MIL-100(Fe)@Fe3O4/CA magnetic nanophotocatalysts (MNPCs): Magnetically separable and Fenton-like degradation of tetracycline hydrochloride. Advanced Powder Technology, 2018, 29, 3305-3314.	2.0	55
64	Structural characterization and photocatalytic activity of NiO/AgNbO3. Journal of Alloys and Compounds, 2010, 496, 633-637.	2.8	54
65	0D/2D Fe2O3 quantum dots/g-C3N4 for enhanced visible-light-driven photocatalysis. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 541, 188-194.	2.3	54
66	Enhanced long-wavelength light utilization with polyaniline/bismuth-rich bismuth oxyhalide composite towards photocatalytic degradation of antibiotics. Journal of Colloid and Interface Science, 2019, 537, 101-111.	5.0	53
67	Visible-light-induced blue MoO3â€“C3N4 composite with enhanced photocatalytic activity. Materials Research Bulletin, 2015, 70, 500-505.	2.7	52
68	Cobalt phosphide nanoparticles embedded in 3D N-doped porous carbon for efficient hydrogen and oxygen evolution reactions. International Journal of Hydrogen Energy, 2019, 44, 4543-4552.	3.8	52
69	High yield synthesis of nano-size g-C₃N₄ derivatives by a dissolve-regrowth method with enhanced photocatalytic ability. RSC Advances, 2015, 5, 26281-26290.	1.7	51
70	Visible-light-driven ZnFe2O4/Ag/Ag3VO4 photocatalysts with enhanced photocatalytic activity under visible light irradiation. Materials Research Bulletin, 2017, 95, 607-615.	2.7	51
71	g-C3N4/Ag3PO4 composites with synergistic effect for increased photocatalytic activity under the visible light irradiation. Materials Science in Semiconductor Processing, 2015, 39, 726-734.	1.9	49
72	Integrating CoOx cocatalyst on hexagonal Î±-Fe2O3 for effective photocatalytic oxygen evolution. Applied Surface Science, 2019, 469, 933-940.	3.1	48

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73	Negative-charge-functionalized mesoporous silica nanoparticles as drug vehicles targeting hepatocellular carcinoma. International Journal of Pharmaceutics, 2014, 474, 223-31.	2.6	46
74	Controlled synthesis of ordered mesoporous g-C3N4 with a confined space effect on its photocatalytic activity. Materials Science in Semiconductor Processing, 2016, 46, 59-68.	1.9	46
75	Ni3Fe nanoparticles enclosed by B-doped carbon for efficient bifunctional performances of oxygen and hydrogen evolution reactions. Journal of Alloys and Compounds, 2020, 835, 155267.	2.8	46
76	Improved visible light photocatalytic activity of MWCNT/BiOBr composite synthesized via a reactable ionic liquid. Ceramics International, 2014, 40, 4607-4616.	2.3	45
77	Synthesis, characterization and photocatalytic activity of NaNbO3/ZnO heterojunction photocatalysts. Journal of Alloys and Compounds, 2011, 509, 9157-9163.	2.8	43
78	Ion-exchange preparation for visible-light-driven photocatalyst AgBr/Ag2CO3 and its photocatalytic activity. RSC Advances, 2014, 4, 9139.	1.7	43
79	Novel Ag₂S quantum dot modified 3D flower-like SnS₂ composites for photocatalytic and photoelectrochemical applications. Inorganic Chemistry Frontiers, 2018, 5, 63-72.	3.0	43
80	Novel one-step synthesis of nickel encapsulated carbon nanotubes as efficient electrocatalyst for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2019, 44, 2685-2693.	3.8	43
81	An efficient broad spectrum-driven carbon and oxygen co-doped g-C3N4 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
82	Multifunctional C-Doped CoFe₂O₄ Material as Cocatalyst to Promote Reactive Oxygen Species Generation over Magnetic Recyclable Câ€“CoFe/Agâ€“AgX Photocatalysts. ACS Sustainable Chemistry and Engineering, 2018, 6, 11968-11978.	3.2	42
83	Synthesis and characterization of BN/Bi₂WO₆ composite photocatalysts with enhanced visible-light photocatalytic activity. RSC Advances, 2015, 5, 88832-88840.	1.7	41
84	A coreâ€“shell structured magnetic Ag/AgBr@Fe₂O₃ composite with enhanced photocatalytic activity for organic pollutant degradation and antibacterium. RSC Advances, 2015, 5, 71035-71045.	1.7	41
85	A Z-scheme magnetic recyclable Ag/AgBr@CoFe₂O₄photocatalyst with enhanced photocatalytic performance for pollutant and bacterial elimination. RSC Advances, 2017, 7, 30845-30854.	1.7	40
86	Fabrication of Ag/AgCl/ZnFe2O4 composites with enhanced photocatalytic activity for pollutant degradation and E. coli disinfection. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 553, 114-124.	2.3	40
87	Nickel and cobalt in situ grown in 3-dimensional hierarchical porous graphene for effective methanol electro-oxidation reaction. Journal of Electroanalytical Chemistry, 2019, 838, 7-15.	1.9	40
88	Construction of polythiophene/Bi4O5I2 nanocomposites to promote photocatalytic degradation of bisphenol a. Journal of Alloys and Compounds, 2020, 823, 153773.	2.8	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	Modification of Ag₃VO₄ with graphene-like MoS₂ for enhanced visible-light photocatalytic property and stability. New Journal of Chemistry, 2016, 40, 2168-2177.	1.4	37

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91	Ionic liquid oxidation synthesis of Ag@AgCl coreâ€“shell structure for photocatalytic application under visible-light irradiation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 416, 80-85.	2.3	36
92	Graphene-analogue boron nitride/Ag₃PO₄ composite for efficient visible-light-driven photocatalysis. RSC Advances, 2014, 4, 56853-56862.	1.7	36
93	Novel broad-spectrum-driven oxygen-linked band and porous defect co-modified orange carbon nitride for photodegradation of Bisphenol A and 2-Mercaptobenzothiazole. Journal of Hazardous Materials, 2020, 396, 122659.	6.5	36
94	Ag₂S quantum dots in situ coupled to hexagonal SnS₂ with enhanced photocatalytic activity for MO and Cr(<scp>vi</scp>) removal. RSC Advances, 2017, 7, 46823-46831.	1.7	35
95	Highly Efficient Visible-Light-Driven Schottky Catalyst MoN/2D g-C₃N₄ for Hydrogen Production and Organic Pollutants Degradation. Industrial & Engineering Chemistry Research, 2018, 57, 8863-8870.	1.8	35
96	Novel broad spectrum light responsive PPy/hexagonal-SnS2 photocatalyst for efficient photoreduction of Cr(VI). Materials Research Bulletin, 2019, 112, 226-235.	2.7	35
97	Selective adsorption of organic dyes by porous hydrophilic silica aerogels from aqueous system. Water Science and Technology, 2018, 78, 402-414.	1.2	34
98	Preparation of magnetic Ag/AgCl/CoFe₂O₄ composites with high photocatalytic and antibacterial ability. RSC Advances, 2015, 5, 41475-41483.	1.7	32
99	Coreâ€“shell magnetic Ag/AgCl@Fe₂O₃ photocatalysts with enhanced photoactivity for eliminating bisphenol A and microbial contamination. New Journal of Chemistry, 2016, 40, 3413-3422.	1.4	32
100	Design of 3D WO₃/h-BN nanocomposites for efficient visible-light-driven photocatalysis. RSC Advances, 2017, 7, 25160-25170.	1.7	31
101	Graphene oxide-modified LaVO₄ nanocomposites with enhanced photocatalytic degradation efficiency of antibiotics. Inorganic Chemistry Frontiers, 2018, 5, 2818-2828.	3.0	31
102	Simplistic two-step fabrication of porous carbon-based biomass-derived electrocatalyst for efficient hydrogen evolution reaction. Energy Conversion and Management, 2021, 227, 113628.	4.4	31
103	Fabrication of magnetic BaFe₁₂O₁₉/Ag₃PO₄ composites with an in situ photo-Fenton-like reaction for enhancing reactive oxygen species under visible light irradiation. Catalysis Science and Technology, 2019, 9, 2563-2570.	2.1	30
104	Construction 3D rod-like Bi3.64Mo0.36O6.55/CuBi2O4 photocatalyst for enhanced photocatalytic activity via a photo-Fenton-like Cu2+/Cu+ redox cycle. Separation and Purification Technology, 2021, 254, 117546.	3.9	30
105	Controllable fabrication of abundant nickel-nitrogen doped CNT electrocatalyst for robust hydrogen evolution reaction. Applied Surface Science, 2021, 562, 150161.	3.1	30
106	Synergistically coupling of Co/Mo2C/Co6Mo6C2@C electrocatalyst for overall water splitting: The role of carbon precursors in structural engineering and catalytic activity. Applied Surface Science, 2022, 579, 152148.	3.1	29
107	Synthesis and characterization of the efficient visible-light-induced photocatalyst AgBr and its photodegradation activity. Journal of Physics and Chemistry of Solids, 2012, 73, 523-529.	1.9	28
108	MO degradation by Agâ€“Ag2O/g-C3N4 composites under visible-light irradiation. SpringerPlus, 2016, 5, 369.	1.2	28

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109	Novel visible-light-driven Fe₂O₃/Ag₃VO₄ composite with enhanced photocatalytic activity toward organic pollutants degradation. RSC Advances, 2016, 6, 3600-3607.	1.7	28
110	A controlled solvethermal approach to synthesize nanocrystalline iron oxide for congo red adsorptive removal from aqueous solutions. Journal of Materials Science, 2016, 51, 4481-4494.	1.7	28
111	3D graphene decorated with hexagonal micro-coin of Co(OH)2: A competent electrocatalyst for hydrogen and oxygen evolution reaction. International Journal of Hydrogen Energy, 2019, 44, 14770-14779.	3.8	28
112	Three-dimensionally ordered macroporous WO 3 modified Ag 3 PO 4 with enhanced visible light photocatalytic performance. Ceramics International, 2016, 42, 1392-1398.	2.3	27
113	Construction of molybdenum dioxide nanosheets coated on the surface of nickel ferrite nanocrystals with ultrahigh specific capacity for hybrid supercapacitor. Electrochimica Acta, 2018, 260, 439-448.	2.6	27
114	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
115	Facile synthesis of CNT/AgI with enhanced photocatalytic degradation and antibacterial ability. RSC Advances, 2016, 6, 6905-6914.	1.7	23
116	Construction of solidâ€“liquid interfacial Fenton-like reaction under visible light irradiation over etched CoxFeyO4â€“BiOBr photocatalysts. Catalysis Science and Technology, 2018, 8, 551-561.	2.1	22
117	Nickel loaded graphene-like carbon sheets an improved electrocatalyst for hydrogen evolution reaction. Materials Chemistry and Physics, 2019, 227, 105-110.	2.0	22
118	Controlled self-assembly synthesis of CuCo2O4/rGO for improving the morphology-dependent electrochemical oxygen evolution performance. Applied Surface Science, 2019, 493, 710-718.	3.1	21
119	Synthesis of carbon nitride in moist environments: A defect engineering strategy toward superior photocatalytic hydrogen evolution reaction. Journal of Energy Chemistry, 2021, 54, 403-413.	7.1	21
120	Facile synthesis of N, S co-doped MoO2@C nanorods as an outstanding electrocatalyst for hydrogen evolution reaction. Applied Surface Science, 2021, 537, 147971.	3.1	21
121	Plasmonicâ€enhanced visibleâ€lightâ€driven photocatalytic activity of Agâ€“AgBr synthesized in reactable ionic liquid. Journal of Chemical Technology and Biotechnology, 2012, 87, 1626-1633.	1.6	20
122	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
123	BiPO4 nanorods anchored in biomass-based carbonaceous aerogel skeleton: A 2D-3D heterojunction composite as an energy-eï¬ƒcient photocatalyst. Journal of Supercritical Fluids, 2019, 147, 33-41.	1.6	20
124	Silk fibroin-derived carbon aerogels embedded with copper nanoparticles for efficient electrocatalytic CO2-to-CO conversion. Journal of Colloid and Interface Science, 2021, 600, 412-420.	5.0	20
125	Calcination synthesis of N-doped BiOIO3 with high LED-light-driven photocatalytic activity. Materials Letters, 2019, 246, 219-222.	1.3	19
126	Surface amorphous carbon doping of carbon nitride for efficient acceleration of electron transfer to boost photocatalytic activities. Applied Surface Science, 2020, 507, 145145.	3.1	19

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127	Preparation of magnetically recoverable and Z-scheme BaFe12O19/AgBr composite for degradation of 2-Mercaptobenzothiazole and Methyl orange under visible light. Applied Surface Science, 2020, 521, 146343.	3.1	19
128	Kinetics and mechanism of enhanced photocatalytic activity employing ZnS nanospheres/graphene-like C3N4. Molecular Catalysis, 2017, 438, 103-112.	1.0	18
129	Designing Zâ€scheme 2Dâ€€₃N₄/Ag₃VO₄ hybrid structures for improved photocatalysis and photocatalytic mechanism insight. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600946.	0.8	18
130	The construction of a Fenton system to achieve in situ H2O2 generation and decomposition for enhanced photocatalytic performance. Inorganic Chemistry Frontiers, 2019, 6, 1490-1500.	3.0	18
131	Hierarchical Co/MoO2@N-doped carbon nanosheets derived from waste lotus leaves for electrocatalytic water splitting. International Journal of Hydrogen Energy, 2022, 47, 15673-15686.	3.8	18
132	Boron nitride-based electrocatalysts for HER, OER, and ORR: A mini-review. Frontiers of Materials Science, 2021, 15, 543-552.	1.1	18
133	WO₃nanorod photocatalysts decorated with few-layer g-C₃N₄nanosheets: controllable synthesis and photocatalytic mechanism research. RSC Advances, 2016, 6, 80193-80200.	1.7	17
134	Ni-Fe-Co based mixed metal/metal-oxides nanoparticles encapsulated in ultrathin carbon nanosheets: A bifunctional electrocatalyst for overall water splitting. Surfaces and Interfaces, 2021, 26, 101361.	1.5	17
135	Synthesis of dark orange montmorillonite/g-C 3 N 4 composites and their applications in the environment. Journal of Physics and Chemistry of Solids, 2017, 107, 131-139.	1.9	16
136	In situ formation of small-scale Ag2S nanoparticles in carbonaceous aerogel for enhanced photodegradation performance. Journal of Molecular Liquids, 2019, 292, 111476.	2.3	16
137	Construction of 3D Hierarchical GO/MoS 2 /gâ€€ 3 N 4 Ternary Nanocomposites with Enhanced Visibleâ€Light Photocatalytic Degradation Performance. ChemistrySelect, 2019, 4, 7123-7133.	0.7	16
138	B-doped carbon enclosed Ni nanoparticles: A robust, stable and efficient electrocatalyst for hydrogen evolution reaction. Journal of Electroanalytical Chemistry, 2020, 869, 114085.	1.9	16
139	Fabrication of thiophene decorated side chain entanglement free COFs for highly regenerable mercury extraction. Chemical Engineering Journal, 2022, 430, 133149.	6.6	16
140	Câ€“O band structure modified broad spectral response carbon nitride with enhanced electron density in photocatalytic peroxymonosulfate activation for bisphenol pollutants removal. Journal of Hazardous Materials, 2022, 432, 128663.	6.5	16
141	In situ growth of Ag/AgCl on the surface of CNT and the effect of CNT on the photoactivity of the composite. New Journal of Chemistry, 2015, 39, 5540-5547.	1.4	15
142	Hierarchical ultrathin defect-rich CoFe₂O₄@BC nanoflowers synthesized via a temperature-regulated strategy with outstanding hydrogen evolution reaction activity. Inorganic Chemistry Frontiers, 2021, 8, 1455-1467.	3.0	14
143	Novel 3D graphene ornamented with CoO nanoparticles as an efficient bifunctional electrocatalyst for oxygen and hydrogen evolution reactions. Materials Chemistry and Physics, 2021, 261, 124237.	2.0	14
144	Probing effective charge migration and highly improved photocatalytic activity on Polyaniline/Zn3In2S6 nano-flower under long wavelength light. Separation and Purification Technology, 2021, 274, 119004.	3.9	14

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145	Controllable Synthesis of Ultrathin NiCo₂O₄ Nanosheets Incorporated onto Composite Nanotubes for Efficient Oxygen Reduction. Chemistry - an Asian Journal, 2017, 12, 2426-2433.	1.7	13
146	Novel broad-spectrum-driven g-C3N4 with oxygen-linked band and porous defect for photodegradation of bisphenol A, 2-mercaptophenthiazole and ciprofloxacin. Chemosphere, 2021, 268, 128839.	4.2	12
147	Synthesis, Characterization and Photocatalytic Activity of Ag/AgCl/Graphite-Like C₃N₄ Under Visible Light Irradiation. Journal of Nanoscience and Nanotechnology, 2014, 14, 6809-6815.	0.9	10
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