

Hui Xu

List of Publications by Year in descending order

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196
papers

15,313
citations

15504

65
h-index

19749

117
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196
all docs

196
docs citations

196
times ranked

13879
citing authors

#	ARTICLE	IF	CITATIONS
1	Mo-O-Bi Bonds as interfacial electron transport bridges to fuel CO ₂ photoreduction via in-situ reconstruction of black Bi ₂ MoO ₆ /BiO ₂ -x heterojunction. <i>Chemical Engineering Journal</i> , 2022, 429, 132204.	12.7	83
2	Porous silver microrods by plasma vulcanization activation for enhanced electrocatalytic carbon dioxide reduction. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 793-799.	9.4	21
3	Synergistic effect of isolated Co and Fe dual active sites boosting the photocatalytic hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162290.	5.5	20
4	Modulating electronic structure of ternary NiMoV LDH nanosheet array induced by doping engineering to promote urea oxidation reaction. <i>Chemical Engineering Journal</i> , 2022, 430, 133100.	12.7	57
5	Inherent Facet-Dominant effect for cobalt oxide nanosheets to enhance photocatalytic CO ₂ reduction. <i>Applied Surface Science</i> , 2022, 578, 151848.	6.1	14
6	Ultrathin structure of oxygen doped carbon nitride for efficient CO ₂ photocatalytic reduction. <i>Nanotechnology</i> , 2022, 33, 115404.	2.6	10
7	UV-Vis-NIR full-range-responsive carbon-rich carbon nitride nanotubes for enhanced photocatalytic performance. <i>New Journal of Chemistry</i> , 2022, 46, 4654-4665.	2.8	5
8	Crystal phase engineering boosted photo-electrochemical kinetics of CoSe ₂ for oxygen evolution catalysis. <i>Journal of Colloid and Interface Science</i> , 2022, 611, 22-28.	9.4	11
9	A bubble-assisted strategy to prepare porous ultrathin carbon nitride for highly-active photocatalytic hydrogen production. <i>Journal of Alloys and Compounds</i> , 2022, 904, 163788.	5.5	12
10	Highly efficient photosynthesis of H ₂ O ₂ via two-channel pathway photocatalytic water splitting. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1701-1707.	6.0	19
11	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.	7.1	32
12	Multidimensional In ₂ O ₃ /In ₂ S ₃ heterojunction with lattice distortion for CO ₂ photoconversion. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1286-1294.	14.0	42
13	Enhanced photoelectrochemical aptasensing triggered by nitrogen deficiency and cyano group simultaneously engineered 2D carbon nitride for sensitively monitoring atrazine. <i>Biosensors and Bioelectronics</i> , 2022, 206, 114144.	10.1	47
14	Activation of Fe species on graphitic carbon nitride nanotubes for efficient photocatalytic ammonia synthesis. <i>International Journal of Energy Research</i> , 2022, 46, 13453-13462.	4.5	3
15	Construction of 2D/2D Z-scheme MnO ₂ -x/g-C ₃ N ₄ photocatalyst for efficient nitrogen fixation to ammonia. <i>Green Energy and Environment</i> , 2021, 6, 538-545.	8.7	38
16	Synthesis of carbon nitride in moist environments: A defect engineering strategy toward superior photocatalytic hydrogen evolution reaction. <i>Journal of Energy Chemistry</i> , 2021, 54, 403-413.	12.9	21
17	Sulfur promoted n- π^* electron transitions in thiophene-doped g-C ₃ N ₄ for enhanced photocatalytic activity. <i>Chinese Journal of Catalysis</i> , 2021, 42, 450-459.	14.0	87
18	Large-scale production of ultrathin carbon nitride-based photocatalysts for high-yield hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2021, 281, 119475.	20.2	84

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19	Construction 3D rod-like Bi _{3.64} Mo _{0.36} O _{6.55} /CuBi ₂ O ₄ photocatalyst for enhanced photocatalytic activity via a photo-Fenton-like Cu ²⁺ /Cu ⁺ redox cycle. Separation and Purification Technology, 2021, 254, 117546.	7.9	30
20	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.	9.4	26
21	Recent advance in single-atom catalysis. Rare Metals, 2021, 40, 767-789.	7.1	116
22	Plasma-induced black bismuth tungstate as a photon harvester for photocatalytic carbon dioxide conversion. New Journal of Chemistry, 2021, 45, 1993-2000.	2.8	11
23	Boosting CO ₂ Capture and Its Photochemical Conversion on Bismuth Surface. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2000671.	1.8	4
24	Metallic rhombohedral NbS ₂ /2D g-C ₃ N ₄ composite with enhanced photogenerated carriers separation and photocatalytic performance. Applied Surface Science, 2021, 542, 148619.	6.1	14
25	Construction of dual ion (Fe ³⁺ /Fe ²⁺ and Nb ⁵⁺ /Nb ⁴⁺) synergy and full spectrum 1D nanorod Fe ₂ O ₃ /NaNbO ₃ photo-Fenton catalyst for the degradation of antibiotic: Effects of H ₂ O ₂ , S ₂ O ₈ ²⁻ and toxicity. Separation and Purification Technology, 2021, 261, 118269.	7.9	22
26	Surface Engineering of 2D Carbon Nitride with Cobalt Sulfide Cocatalyst for Enhanced Photocatalytic Hydrogen Evolution. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100012.	1.8	6
27	Minireview on the Commonly Applied Copper-Based Electrocatalysts for Electrochemical CO ₂ Reduction. Energy & Fuels, 2021, 35, 8585-8601.	5.1	20
28	Highly sensitive electrochemical immunosensor for the simultaneous detection of multiple tumor markers for signal amplification. Talanta, 2021, 226, 122133.	5.5	26
29	Ultrafast electron extraction by 2D carbon nitride modified with CoS cocatalyst for efficient photocatalytic performance. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 617, 126151.	4.7	14
30	Accelerating photocatalytic hydrogen evolution of Ta ₂ O ₅ /g-C ₃ N ₄ via nanostructure engineering and surface assembly. International Journal of Hydrogen Energy, 2021, 46, 20516-20523.	7.1	11
31	Grain-boundary surface terminations incorporating oxygen vacancies for selectively boosting CO ₂ photoreduction activity. Nano Energy, 2021, 84, 105869.	16.0	43
32	Constructing Ni ₃ C/2D g-C ₃ N ₄ Photocatalyst and the Internal Catalytic Mechanism Study. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100171.	1.8	0
33	Unique Dual-Sites Boosting Overall CO ₂ Photoconversion by Hierarchical Electron Harvesters. Small, 2021, 17, e2103796.	10.0	38
34	Accelerated Photoreduction of CO ₂ to CO over a Stable Heterostructure with a Seamless Interface. ACS Applied Materials & Interfaces, 2021, 13, 39523-39532.	8.0	47
35	In Situ Growth and Activation of Ag/Ag ₂ S Nanowire Clusters by H ₂ S Plasma Treatment for Promoted Electrocatalytic CO ₂ Reduction. Advanced Sustainable Systems, 2021, 5, 2100256.	5.3	7
36	Exploring deep effects of atomic vacancies on activating CO ₂ photoreduction via rationally designing indium oxide photocatalysts. Chemical Engineering Journal, 2021, 422, 129888.	12.7	110

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37	Fe atom clusters embedded N-doped graphene decorated with ultrathin mesoporous carbon nitride nanosheets for high efficient photocatalytic performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 629, 127360.	4.7	6
38	Nanostructure and functional group engineering of black phosphorus via plasma treatment for CO ₂ photoreduction. <i>Journal of CO₂ Utilization</i> , 2021, 54, 101745.	6.8	13
39	Construction of brown mesoporous carbon nitride with a wide spectral response for high performance photocatalytic H ₂ evolution. <i>Inorganic Chemistry Frontiers</i> , 2021, 9, 103-110.	6.0	17
40	Self-assembly and boosted photodegradation properties of perylene diimide in different solvents. <i>New Journal of Chemistry</i> , 2021, 45, 21701-21707.	2.8	9
41	Emerging surface strategies on graphitic carbon nitride for solar driven water splitting. <i>Chemical Engineering Journal</i> , 2020, 382, 122812.	12.7	155
42	Short-time Thermal Oxidation of Ultrathin and Broadband Carbon Nitride for Efficient Photocatalytic H ₂ Generation. <i>ChemCatChem</i> , 2020, 12, 1169-1176.	3.7	7
43	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.	9.4	53
44	Enhanced photocatalytic H ₂ evolution by deposition of metal nanoparticles into mesoporous structure of g-C ₃ N ₄ . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 585, 124067.	4.7	21
45	Spatially confined Fe ₂ O ₃ in hierarchical SiO ₂ @TiO ₂ hollow sphere exhibiting superior photocatalytic efficiency for degrading antibiotics. <i>Chemical Engineering Journal</i> , 2020, 380, 122583.	12.7	117
46	Direct Z-scheme photocatalyst for efficient water pollutant degradation: A case study of 2D g-C ₃ N ₄ /BiVO ₄ . <i>Materials Chemistry and Physics</i> , 2020, 241, 122308.	4.0	38
47	Surface amorphous carbon doping of carbon nitride for efficient acceleration of electron transfer to boost photocatalytic activities. <i>Applied Surface Science</i> , 2020, 507, 145145.	6.1	19
48	Hierarchical Z-scheme g-C ₃ N ₄ /Au/ZnIn ₂ S ₄ photocatalyst for highly enhanced visible-light photocatalytic nitric oxide removal and carbon dioxide conversion. <i>Environmental Science: Nano</i> , 2020, 7, 676-687.	4.3	79
49	Efficient photocatalytic hydrogen evolution by engineering amino groups into ultrathin 2D graphitic carbon nitride. <i>Applied Surface Science</i> , 2020, 507, 145085.	6.1	17
50	An all-organic TPA-3CN/2D-C ₃ N ₄ heterostructure for high efficiency photocatalytic hydrogen evolution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 589, 124397.	4.7	10
51	Synthesis of Photothermally Stable Triangular Silver Nanoplates for SERS Applications, Photokilling of Bacteria. <i>ChemNanoMat</i> , 2020, 6, 148-153.	2.8	12
52	Preparation of a novel sandwich-type electrochemical immunosensor for AFP detection based on an ATRP and click chemistry technique. <i>Polymer Chemistry</i> , 2020, 11, 900-908.	3.9	18
53	Plasma treated Bi ₂ WO ₆ ultrathin nanosheets with oxygen vacancies for improved photocatalytic CO ₂ reduction. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 597-602.	6.0	77
54	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.	6.7	30

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55	Sustainable supercapacitors of nitrogen-doping porous carbon based on cellulose nanocrystals and urea. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 4095-4103.	7.5	31
56	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.	9.4	29
57	An All-Organic Driven System for Visible-Light-Driven Overall Water Splitting. <i>Small</i> , 2020, 16, e2003914.	10.0	80
58	Nitrogen-Doped Carbon Quantum Dots from Poly(ethyleneimine) for Optical Dual-Mode Determination of Cu ²⁺ and L-Cysteine and Their Logic Gate Operation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47245-47255.	8.0	52
59	Metal Nanoparticles Confined within an Inorganic-Organic Framework Enable Superior Substrate-Selective Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42739-42748.	8.0	14
60	Solar driven high efficiency hydrogen evolution catalyzed by surface engineered ultrathin carbon nitride. <i>New Journal of Chemistry</i> , 2020, 44, 19314-19322.	2.8	3
61	Bowl-shaped graphene oxide/Fe ₃ O ₄ composites on Au-PCB electrode for electrochemical detection of dopamine. <i>Ionics</i> , 2020, 26, 4171-4181.	2.4	13
62	Direct Z-scheme red carbon nitride/rod-like lanthanum vanadate composites with enhanced photodegradation of antibiotic contaminants. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119245.	20.2	90
63	In-situ hydroxyl modification of monolayer black phosphorus for stable photocatalytic carbon dioxide conversion. <i>Applied Catalysis B: Environmental</i> , 2020, 269, 118760.	20.2	147
64	Cryo-induced closely bonded heterostructure for effective CO ₂ conversion: The case of ultrathin BP nanosheets/g-C ₃ N ₄ . <i>Journal of Energy Chemistry</i> , 2020, 49, 89-95.	12.9	49
65	Accelerating the Hole Mobility of Graphitic Carbon Nitride for Photocatalytic Hydrogen Evolution via 2D/2D Heterojunction Structural Advantages and Ni(OH) ₂ Characteristic. <i>Solar Rrl</i> , 2020, 4, 1900538.	5.8	28
66	Tandem Electrodes for Carbon Dioxide Reduction into C ₂ + Products at Simultaneously High Production Efficiency and Rate. <i>Cell Reports Physical Science</i> , 2020, 1, 100051.	5.6	60
67	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.	12.4	36
68	Crystal phase dependent solar driven hydrogen evolution catalysis over cobalt diselenide. <i>Chemical Engineering Journal</i> , 2020, 396, 125244.	12.7	30
69	Preparation and photocatalytic performance of metallic Nb _{0.9} Ta _{0.1} S ₂ /2D-C ₃ N ₄ composite. <i>Oxford Open Materials Science</i> , 2020, 1, .	1.8	1
70	Constructing Schottky junction between 2D semiconductor and metallic nickel phosphide for highly efficient catalytic hydrogen evolution. <i>Applied Surface Science</i> , 2019, 495, 143528.	6.1	35
71	Preparation of oxygen-deficient 2D WO _{3-x} nanoplates and their adsorption behaviors for organic pollutants: equilibrium and kinetics modeling. <i>Journal of Materials Science</i> , 2019, 54, 12463-12475.	3.7	23
72	Efficient photocatalytic hydrogen evolution mediated by defect-rich 1T-PtS ₂ atomic layer nanosheet modified mesoporous graphitic carbon nitride. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18906-18914.	10.3	44

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73	Improved chiral electrochemical recognition of tryptophan enantiomers based on three-dimensional molecularly imprinted overoxidized polypyrrole/MnO ₂ /carbon felt composites. <i>Chirality</i> , 2019, 31, 917-922.	2.6	6
74	Carbon materials from melamine sponges for supercapacitors and lithium battery electrode materials: A review. , 2019, 1, 253-275.		135
75	2020 Roadmap on two-dimensional nanomaterials for environmental catalysis. <i>Chinese Chemical Letters</i> , 2019, 30, 2065-2088.	9.0	90
76	Tailoring of crystalline structure of carbon nitride for superior photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 324-334.	9.4	20
77	Graphene quantum dots modified flower like Bi ₂ WO ₆ for enhanced photocatalytic nitrogen fixation. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 498-505.	9.4	78
78	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
79	Engineering black phosphorus to porous g-C ₃ N ₄ -metal-organic framework membrane: a platform for highly boosting photocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4408-4414.	10.3	79
80	Rapid synthesis of ultrathin 2D materials through liquid-nitrogen and microwave treatments. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5209-5213.	10.3	89
81	Cryo-mediated liquid-phase exfoliated 2D BP coupled with 2D C ₃ N ₄ to photodegrade organic pollutants and simultaneously generate hydrogen. <i>Applied Surface Science</i> , 2019, 490, 117-123.	6.1	26
82	2-Aminopurine modified DNA probe for rapid and sensitive detection of l-cysteine. <i>Talanta</i> , 2019, 202, 520-525.	5.5	6
83	Porous nitrogen-rich g-C ₃ N ₄ nanotubes for efficient photocatalytic CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117854.	20.2	271
84	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.	10.3	37
85	One-step oxygen vacancy engineering of WO _{3-x} /2D g-C ₃ N ₄ heterostructure: Triple effects for sustaining photoactivity. <i>Journal of Alloys and Compounds</i> , 2019, 795, 426-435.	5.5	42
86	Integrating the merits of two-dimensional structure and heteroatom modification into semiconductor photocatalyst to boost NO removal. <i>Chemical Engineering Journal</i> , 2019, 370, 944-951.	12.7	54
87	The construction of a Fenton system to achieve in situ H ₂ O ₂ generation and decomposition for enhanced photocatalytic performance. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1490-1500.	6.0	18
88	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.	4.1	30
89	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.	10.0	56
90	Unveiling the origin of boosted photocatalytic hydrogen evolution in simultaneously (S, P) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (84-94.	20.2	300

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91	Preparation of Co-Mo ultrathin nanosheets with outstanding catalytic performance in aerobic oxidative desulfurization. <i>Chemical Communications</i> , 2019, 55, 13995-13998.	4.1	47
92	Construction of MnO ₂ /Monolayer g-C ₃ N ₄ with Mn vacancies for Z-scheme overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2019, 241, 452-460.	20.2	252
93	Construction of novel CNT/LaVO ₄ nanostructures for efficient antibiotic photodegradation. <i>Chemical Engineering Journal</i> , 2019, 357, 487-497.	12.7	158
94	Electrochemical Chiral Recognition of Tryptophan Isomers Based on Nonionic Surfactant-Assisted Molecular Imprinting Sol-Gel Silica. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2840-2848.	8.0	46
95	Integration of metallic TaS ₂ Co-catalyst on carbon nitride photoharvester for enhanced photocatalytic performance. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1821-1827.	1.7	1
96	Gold nanorods decorated with graphene oxide and multi-walled carbon nanotubes for trace level voltammetric determination of ascorbic acid. <i>Mikrochimica Acta</i> , 2019, 186, 17.	5.0	27
97	One-step synthesis of Fe-doped surface-alkalinized g-C ₃ N ₄ and their improved visible-light photocatalytic performance. <i>Applied Surface Science</i> , 2019, 469, 739-746.	6.1	103
98	Highly Efficient Adsorption of Oils and Pollutants by Porous Ultrathin Oxygen-Modified BCN Nanosheets. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3234-3242.	6.7	14
99	Constructing Pd/2D-C ₃ N ₄ composites for efficient photocatalytic H ₂ evolution through nonplasmon-induced bound electrons. <i>Applied Surface Science</i> , 2019, 467-468, 151-157.	6.1	78
100	Phase and interlayer effect of transition metal dichalcogenide cocatalyst toward photocatalytic hydrogen evolution: The case of MoSe ₂ . <i>Applied Catalysis B: Environmental</i> , 2019, 243, 330-336.	20.2	105
101	Integrating CoO _x cocatalyst on hexagonal Fe ₂ O ₃ for effective photocatalytic oxygen evolution. <i>Applied Surface Science</i> , 2019, 469, 933-940.	6.1	48
102	Three dimensional polyaniline/MgIn ₂ S ₄ nanoflower photocatalysts accelerated interfacial charge transfer for the photoreduction of Cr(VI), photodegradation of organic pollution and photocatalytic H ₂ production. <i>Chemical Engineering Journal</i> , 2019, 360, 1601-1612.	12.7	142
103	Construction of 2D SnS ₂ /g-C ₃ N ₄ Z-scheme composite with superior visible-light photocatalytic performance. <i>Applied Surface Science</i> , 2019, 467-468, 56-64.	6.1	79
104	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.	3.7	36
105	Steering charge transfer for boosting photocatalytic H ₂ evolution: Integration of two-dimensional semiconductor superiorities and noble-metal-free Schottky junction effect. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 477-485.	20.2	64
106	In-situ formation of hierarchical 1D-3D hybridized carbon nanostructure supported nonnoble transition metals for efficient electrocatalysis of oxygen reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 151-160.	20.2	66
107	Construction of a few-layer g-C ₃ N ₄ /MoO ₃ nanoneedles all-solid-state Z-scheme photocatalytic system for photocatalytic degradation. <i>Journal of Energy Chemistry</i> , 2019, 29, 65-71.	12.9	54
108	Comparison of Triangular Silver Nanoprisms with Different Capping Agents and Structural Size for H ₂ O ₂ Etching-Based Biosensors. <i>Nano</i> , 2018, 13, 1850022.	1.0	6

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109	Graphene quantum dots modified Ag ₃ PO ₄ for facile synthesis and the enhanced photocatalytic performance. <i>Journal of the Chinese Advanced Materials Society</i> , 2018, 6, 255-269.	0.7	8
110	Gold/monolayer graphitic carbon nitride plasmonic photocatalyst for ultrafast electron transfer in solar-to-hydrogen energy conversion. <i>Chinese Journal of Catalysis</i> , 2018, 39, 760-770.	14.0	36
111	High-Adsorption, Self-Extinguishing, Thermal, and Acoustic-Resistance Aerogels Based on Organic and Inorganic Waste Valorization from Cellulose Nanocrystals and Red Mud. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7168-7180.	6.7	68
112	0D/2D Fe ₂ O ₃ quantum dots/g-C ₃ N ₄ for enhanced visible-light-driven photocatalysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 541, 188-194.	4.7	54
113	Synthesis of PAN copolymer containing pendant 2-ureido-4[1H]-pyrimidone (UPy) units by RAFT polymerization and its adsorption behaviors of Hg ²⁺ . <i>Polymer Bulletin</i> , 2018, 75, 4327-4339.	3.3	5
114	Electrochemical immunosensor detection of tumor markers based on a GO composite nanoprobe for signal amplification. <i>Analytical Methods</i> , 2018, 10, 526-532.	2.7	14
115	An efficient method for the synthesis of a polymer brush via click chemistry and its ultrasensitive electrochemical detection of AFP. <i>Analytical Methods</i> , 2018, 10, 2390-2397.	2.7	4
116	Electrochemical CO ₂ Reduction with Atomic Iron-Dispersed on Nitrogen-Doped Graphene. <i>Advanced Energy Materials</i> , 2018, 8, 1703487.	19.5	369
117	1D metallic MoO ₂ -C as co-catalyst on 2D g-C ₃ N ₄ semiconductor to promote photocatalytic hydrogen production. <i>Applied Surface Science</i> , 2018, 447, 732-739.	6.1	69
118	Solvothermal synthesis of metallic 1T-WS ₂ : A supporting co-catalyst on carbon nitride nanosheets toward photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2018, 335, 282-289.	12.7	161
119	Atomic Layered Titanium Sulfide Quantum Dots as Electrocatalysts for Enhanced Hydrogen Evolution Reaction. <i>Advanced Materials Interfaces</i> , 2018, 5, 1700895.	3.7	30
120	A green Pickering emulsion stabilized by cellulose nanocrystals via RAFT polymerization. <i>Cellulose</i> , 2018, 25, 77-85.	4.9	31
121	Multifunctional nanocomplex for surface-enhanced Raman scattering imaging and near-infrared photodynamic antimicrobial therapy of vancomycin-resistant bacteria. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 394-402.	5.0	45
122	Constructing magnetic catalysts with in-situ solid-liquid interfacial photo-Fenton-like reaction over Ag ₃ PO ₄ @NiFe ₂ O ₄ composites. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 40-50.	20.2	175
123	Self-assembled synthesis of defect-engineered graphitic carbon nitride nanotubes for efficient conversion of solar energy. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 154-161.	20.2	296
124	2D heterostructure comprised of metallic 1T-MoS ₂ /Monolayer O-g-C ₃ N ₄ towards efficient photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 379-385.	20.2	231
125	A multidimensional In ₂ S ₃ @"CuInS ₂ heterostructure for photocatalytic carbon dioxide reduction. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 3163-3169.	6.0	67
126	A Specifically Exposed Cobalt Oxide/Carbon Nitride 2D Heterostructure for Carbon Dioxide Photoreduction. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 17394-17400.	3.7	76

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127	Controllable synthesized heterostructure photocatalyst Mo ₂ C@C/2D g-C ₃ N ₄ : enhanced catalytic performance for hydrogen production. Dalton Transactions, 2018, 47, 14706-14712.	3.3	41
128	Graphene oxide-modified LaVO ₄ nanocomposites with enhanced photocatalytic degradation efficiency of antibiotics. Inorganic Chemistry Frontiers, 2018, 5, 2818-2828.	6.0	31
129	A novel nanocomposite based on fluorescent turn-on gold nanostars for near-infrared photothermal therapy and self-theranostic caspase-3 imaging of glioblastoma tumor cell. Colloids and Surfaces B: Biointerfaces, 2018, 170, 303-311.	5.0	30
130	Synergistic effects of MoO ₂ nanosheets and graphene-like C ₃ N ₄ for highly improved visible light photocatalytic activities. Applied Surface Science, 2018, 457, 1142-1150.	6.1	32
131	Surface N modified 2D g-C ₃ N ₄ nanosheets derived from DMF for photocatalytic H ₂ evolution. Applied Surface Science, 2018, 459, 845-852.	6.1	36
132	Multifunctional C-Doped CoFe ₂ O ₄ Material as Cocatalyst to Promote Reactive Oxygen Species Generation over Magnetic Recyclable CoFe/AgX Photocatalysts. ACS Sustainable Chemistry and Engineering, 2018, 6, 11968-11978.	6.7	42
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