Hui Xu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

190 papers	10,978 citations	53 h-index	100 g-index
196 ext. papers	13,198 ext. citations	8.7 avg, IF	6.58 L-index

#	Paper	IF	Citations
190	A bubble-assisted strategy to prepare porous ultrathin carbon nitride for highly-active photocatalytic hydrogen production. *Journal of Alloys and Compounds*, **2022**, 904, 163788	5.7	2
189	Inherent Facet-Dominant effect for cobalt oxide nanosheets to enhance photocatalytic CO2 reduction. *Applied Surface Science*, **2022**, 578, 151848	6.7	3
188	Mo-O-Bi Bonds as interfacial electron transport bridges to fuel CO2 photoreduction via in-situ reconstruction of black Bi2MoO6/BiO2-x heterojunction. *Chemical Engineering Journal*, **2022**, 429, 132204	14.7	16
187	Porous silver microrods by plasma vulcanization activation for enhanced electrocatalytic carbon dioxide reduction. *Journal of Colloid and Interface Science*, **2022**, 606, 793-799	9.3	8
186	Multidimensional In2O3/In2S3 heterojunction with lattice distortion for CO2 photoconversion. *Chinese Journal of Catalysis*, **2022**, 43, 1286-1294	11.3	0
185	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	11.8	5
184	Modulating electronic structure of ternary NiMoV LDH nanosheet array induced by doping engineering to promote urea oxidation reaction. *Chemical Engineering Journal*, **2021**, 430, 133100	14.7	9
183	Ultrathin structure of oxygen doped carbon nitride for efficient CO2 photocatalytic reduction. *Nanotechnology*, **2021**,	3.4	1
182	Self-assembly and boosted photodegradation properties of perylene diimide via different solvents. *New Journal of Chemistry*, **2021**, 45, 21701-21707	3.6	1
181	Crystal phase engineering boosted photo-electrochemical kinetics of CoSe for oxygen evolution catalysis.. *Journal of Colloid and Interface Science*, **2021**, 611, 22-28	9.3	3
180	Synergistic effect of isolated Co and Fe dual active sites boosting the photocatalytic hydrogen evolution reaction. *Journal of Alloys and Compounds*, **2021**, 162290	5.7	2
179	Nanostructure and functional group engineering of black phosphorus via plasma treatment for CO2 photoreduction. *Journal of CO2 Utilization*, **2021**, 54, 101745	7.6	2
178	Boosting CO2 Capture and Its Photochemical Conversion on Bismuth Surface. *Physica Status Solidi (A) Applications and Materials Science*, **2021**, 218, 2000671	1.6	0
177	Metallic rhombohedral NbS2/2D g-C3N4 composite with enhanced photogenerated carriers separation and photocatalytic performance. *Applied Surface Science*, **2021**, 542, 148619	6.7	8
176	Construction of dual ion (Fe3+/Fe2+ and Nb5+/Nb4+) synergy and full spectrum 1D nanorod Fe2O3/NaNbO3 photo-Fenton catalyst for the degradation of antibiotic: Effects of H2O2, S2O82□ and toxicity. *Separation and Purification Technology*, **2021**, 261, 118269	8.3	10
175	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	1.6	2
174	Minireview on the Commonly Applied Copper-Based Electrocatalysts for Electrochemical CO2 Reduction. *Energy & Fuels*, **2021**, 35, 8585-8601	4.1	5

173	Highly sensitive electrochemical immunosensor for the simultaneous detection of multiple tumor markers for signal amplification. *Talanta*, **2021**, 226, 122133	6.2	7
172	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	5.1	4
171	Accelerating photocatalytic hydrogen evolution of Ta2O5/g-C3N4 via nanostructure engineering and surface assembly. *International Journal of Hydrogen Energy*, **2021**, 46, 20516-20523	6.7	3
170	Grain-boundary surface terminations incorporating oxygen vacancies for selectively boosting CO2 photoreduction activity. *Nano Energy*, **2021**, 84, 105869	17.1	19
169	Construction of 2D/2D Z-scheme MnO2-x/g-C3N4 photocatalyst for efficient nitrogen fixation to ammonia. *Green Energy and Environment*, **2021**, 6, 538-545	5.7	11
168	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	12	12
167	Sulfur promoted n-π electron transitions in thiophene-doped g-C3N4 for enhanced photocatalytic activity. *Chinese Journal of Catalysis*, **2021**, 42, 450-459	11.3	28
166	Large-scale production of ultrathin carbon nitride-based photocatalysts for high-yield hydrogen evolution. *Applied Catalysis B: Environmental*, **2021**, 281, 119475	21.8	37
165	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	8.3	7
164	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	9.3	9
163	Recent advance in single-atom catalysis. *Rare Metals*, **2021**, 40, 767-789	5.5	40
162	Plasma-induced black bismuth tungstate as a photon harvester for photocatalytic carbon dioxide conversion. *New Journal of Chemistry*, **2021**, 45, 1993-2000	3.6	3
161	Constructing Ni3C/2D g-C3N4 Photocatalyst and the Internal Catalytic Mechanism Study. *Physica Status Solidi (A) Applications and Materials Science*, **2021**, 218, 2100171	1.6	
160	Unique Dual-Sites Boosting Overall CO Photoconversion by Hierarchical Electron Harvesters. *Small*, **2021**, 17, e2103796	11	17
159	Accelerated Photoreduction of CO to CO over a Stable Heterostructure with a Seamless Interface. *ACS Applied Materials & Interfaces*, **2021**, 13, 39523-39532	9.5	12
158	Exploring deep effects of atomic vacancies on activating CO2 photoreduction via rationally designing indium oxide photocatalysts. *Chemical Engineering Journal*, **2021**, 422, 129888	14.7	31
157	Fe atom clusters embedded N-doped graphene decorated with ultrathin mesoporous carbon nitride nanosheets for high efficient photocatalytic performance. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 629, 127360	5.1	2
156	Solar driven high efficiency hydrogen evolution catalyzed by surface engineered ultrathin carbon nitride. *New Journal of Chemistry*, **2020**, 44, 19314-19322	3.6	0

155	Bowl-shaped graphene oxide/Fe3O4 composites on Au-PCB electrode for electrochemical detection of dopamine. *Ionics*, **2020**, 26, 4171-4181	2.7	5
154	Direct Z-scheme red carbon nitride/rod-like lanthanum vanadate composites with enhanced photodegradation of antibiotic contaminants. *Applied Catalysis B: Environmental*, **2020**, 277, 119245	21.8	39
153	In-situ hydroxyl modification of monolayer black phosphorus for stable photocatalytic carbon dioxide conversion. *Applied Catalysis B: Environmental*, **2020**, 269, 118760	21.8	76
152	Cryo-induced closely bonded heterostructure for effective CO2 conversion: The case of ultrathin BP nanosheets/g-C3N4. *Journal of Energy Chemistry*, **2020**, 49, 89-95	12	30
151	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	7.1	17
150	Tandem Electrodes for Carbon Dioxide Reduction into C2+ Products at Simultaneously High Production Efficiency and Rate. *Cell Reports Physical Science*, **2020**, 1, 100051	6.1	26
149	Crystal phase dependent solar driven hydrogen evolution catalysis over cobalt diselenide. *Chemical Engineering Journal*, **2020**, 396, 125244	14.7	23
148	Direct Z-scheme photocatalyst for efficient water pollutant degradation: A case study of 2D g-C3N4/BiVO4. *Materials Chemistry and Physics*, **2020**, 241, 122308	4.4	20
147	Surface amorphous carbon doping of carbon nitride for efficient acceleration of electron transfer to boost photocatalytic activities. *Applied Surface Science*, **2020**, 507, 145145	6.7	11
146	Hierarchical Z-scheme g-C3N4/Au/ZnIn2S4 photocatalyst for highly enhanced visible-light photocatalytic nitric oxide removal and carbon dioxide conversion. *Environmental Science: Nano*, **2020**, 7, 676-687	7.1	50
145	Efficient photocatalytic hydrogen evolution by engineering amino groups into ultrathin 2D graphitic carbon nitride. *Applied Surface Science*, **2020**, 507, 145085	6.7	9
144	An all-organic TPA-3CN/2D-C3N4 heterostructure for high efficiency photocatalytic hydrogen evolution. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 589, 124397	5.1	5
143	Synthesis of Photothermally Stable Triangular Silver Nanoplates for SERS Applications, Photokilling of Bacteria. *ChemNanoMat*, **2020**, 6, 148-153	3.5	4
142	Preparation of a novel sandwich-type electrochemical immunosensor for AFP detection based on an ATRP and click chemistry technique. *Polymer Chemistry*, **2020**, 11, 900-908	4.9	12
141	Plasma treated Bi2WO6 ultrathin nanosheets with oxygen vacancies for improved photocatalytic CO2 reduction. *Inorganic Chemistry Frontiers*, **2020**, 7, 597-602	6.8	38
140	Nitriding Nickel-Based Cocatalyst: A Strategy To Maneuver Hydrogen Evolution Capacity for Enhanced Photocatalysis. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 884-892	8.3	20
139	Sustainable supercapacitors of nitrogen-doping porous carbon based on cellulose nanocrystals and urea. *International Journal of Biological Macromolecules*, **2020**, 164, 4095-4103	7.9	9
138	Plasma-induced defect engineering: Boosted the reverse water gas shift reaction performance with electron trap. *Journal of Colloid and Interface Science*, **2020**, 580, 814-821	9.3	14

137	An All-Organic D-A System for Visible-Light-Driven Overall Water Splitting. *Small*, **2020**, 16, e2003914	11	41
136	Nitrogen-Doped Carbon Quantum Dots from Poly(ethyleneimine) for Optical Dual-Mode Determination of Cu and l-Cysteine and Their Logic Gate Operation. *ACS Applied Materials & Interfaces*, **2020**, 12, 47245-47255	9.5	22
135	Metal Nanoparticles Confined within an Inorganic-Organic Framework Enable Superior Substrate-Selective Catalysis. *ACS Applied Materials & Interfaces*, **2020**, 12, 42739-42748	9.5	8
134	Emerging surface strategies on graphitic carbon nitride for solar driven water splitting. *Chemical Engineering Journal*, **2020**, 382, 122812	14.7	97
133	Short-time Thermal Oxidation of Ultrathin and Broadband Carbon Nitride for Efficient Photocatalytic H2 Generation. *ChemCatChem*, **2020**, 12, 1169-1176	5.2	2
132	Nitrogen-rich graphitic carbon nitride nanotubes for photocatalytic hydrogen evolution with simultaneous contaminant degradation. *Journal of Colloid and Interface Science*, **2020**, 560, 555-564	9.3	21
131	Enhanced photocatalytic H2 evolution by deposition of metal nanoparticles into mesoporous structure of g-C3N4. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 585, 124067	5.1	13
130	Spatially confined Fe2O3 in hierarchical SiO2@TiO2 hollow sphere exhibiting superior photocatalytic efficiency for degrading antibiotics. *Chemical Engineering Journal*, **2020**, 380, 122583	14.7	78
129	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	12.8	11
128	Tailoring of crystalline structure of carbon nitride for superior photocatalytic hydrogen evolution. *Journal of Colloid and Interface Science*, **2019**, 556, 324-334	9.3	10
127	Graphene quantum dots modified flower like BiWO for enhanced photocatalytic nitrogen fixation. *Journal of Colloid and Interface Science*, **2019**, 557, 498-505	9.3	40
126	Metal-Oxide-Mediated Subtractive Manufacturing of Two-Dimensional Carbon Nitride for High-Efficiency and High-Yield Photocatalytic H Evolution. *ACS Nano*, **2019**, 13, 11294-11302	16.7	66
125	Engineering black phosphorus to porous g-C3N4-metal–organic framework membrane: a platform for highly boosting photocatalytic performance. *Journal of Materials Chemistry A*, **2019**, 7, 4408-4414	13	51
124	Rapid synthesis of ultrathin 2D materials through liquid-nitrogen and microwave treatments. *Journal of Materials Chemistry A*, **2019**, 7, 5209-5213	13	60
123	Cryo-mediated liquid-phase exfoliated 2D BP coupled with 2D C3N4 to photodegradate organic pollutants and simultaneously generate hydrogen. *Applied Surface Science*, **2019**, 490, 117-123	6.7	13
122	2-Aminopurine modified DNA probe for rapid and sensitive detection of l-cysteine. *Talanta*, **2019**, 202, 520-525	6.2	4
121	Porous nitrogen-rich g-C3N4 nanotubes for efficient photocatalytic CO2 reduction. *Applied Catalysis B: Environmental*, **2019**, 256, 117854	21.8	152
120	Metallic cobalt nanoparticles embedded in sulfur and nitrogen co-doped rambutan-like nanocarbons for the oxygen reduction reaction under both acidic and alkaline conditions. *Journal of Materials Chemistry A*, **2019**, 7, 14291-14301	13	21

119	One-step oxygen vacancy engineering of WO3-x/2D g-C3N4 heterostructure: Triple effects for sustaining photoactivity. *Journal of Alloys and Compounds*, **2019**, 795, 426-435	5.7	24
118	Integrating the merits of two-dimensional structure and heteroatom modification into semiconductor photocatalyst to boost NO removal. *Chemical Engineering Journal*, **2019**, 370, 944-951	14.7	42
117	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	6.8	15
116	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	5.5	19
115	Accelerating Photogenerated Charge Kinetics via the Synergetic Utilization of 2D Semiconducting Structural Advantages and Noble-Metal-Free Schottky Junction Effect. *Small*, **2019**, 15, e1804613	11	32
114	Unveiling the origin of boosted photocatalytic hydrogen evolution in simultaneously (S, P, O)-Codoped and exfoliated ultrathin g-C3N4 nanosheets. *Applied Catalysis B: Environmental*, **2019**, 248, 84-94	21.8	203
113	Constructing Schottky junction between 2D semiconductor and metallic nickel phosphide for highly efficient catalytic hydrogen evolution. *Applied Surface Science*, **2019**, 495, 143528	6.7	21
112	Preparation of oxygen-deficient 2D WO3⊠ nanoplates and their adsorption behaviors for organic pollutants: equilibrium and kinetics modeling. *Journal of Materials Science*, **2019**, 54, 12463-12475	4.3	14
111	Efficient photocatalytic hydrogen evolution mediated by defect-rich 1T-PtS2 atomic layer nanosheet modified mesoporous graphitic carbon nitride. *Journal of Materials Chemistry A*, **2019**, 7, 18906-18914	12	24
110	Improved chiral electrochemical recognition of tryptophan enantiomers based on three-dimensional molecularly imprinted overoxidized polypyrrole/MnO /carbon felt composites. *Chirality*, **2019**, 31, 917-922	2.1	4
109	Carbon materials from melamine sponges for supercapacitors and lithium battery electrode materials: A review **2019**, 1, 253-275		87
108	2020 Roadmap on two-dimensional nanomaterials for environmental catalysis. *Chinese Chemical Letters*, **2019**, 30, 2065-2088	8.1	72
107	Preparation of Co-Mo-O ultrathin nanosheets with outstanding catalytic performance in aerobic oxidative desulfurization. *Chemical Communications*, **2019**, 55, 13995-13998	5.8	22
106	Construction of MnO2/Monolayer g-C3N4 with Mn vacancies for Z-scheme overall water splitting. *Applied Catalysis B: Environmental*, **2019**, 241, 452-460	21.8	179
105	Construction of novel CNT/LaVO4 nanostructures for efficient antibiotic photodegradation. *Chemical Engineering Journal*, **2019**, 357, 487-497	14.7	113
104	Electrochemical Chiral Recognition of Tryptophan Isomers Based on Nonionic Surfactant-Assisted Molecular Imprinting Sol-Gel Silica. *ACS Applied Materials & Interfaces*, **2019**, 11, 2840-2848	9.5	29
103	Integration of metallic TaS2 Co-catalyst on carbon nitride photoharvester for enhanced photocatalytic performance. *Canadian Journal of Chemical Engineering*, **2019**, 97, 1821-1827	2.3	1
102	One-step synthesis of Fe-doped surface-alkalinized g-C3N4 and their improved visible-light photocatalytic performance. *Applied Surface Science*, **2019**, 469, 739-746	6.7	71

101	Highly Efficient Adsorption of Oils and Pollutants by Porous Ultrathin Oxygen-Modified BCN Nanosheets. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 3234-3242	8.3	12
100	Constructing Pd/2D-C3N4 composites for efficient photocatalytic H2 evolution through nonplasmon-induced bound electrons. *Applied Surface Science*, **2019**, 467-468, 151-157	6.7	53
99	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	21.8	78
98	Integrating CoOx cocatalyst on hexagonal α-Fe2O3 for effective photocatalytic oxygen evolution. *Applied Surface Science*, **2019**, 469, 933-940	6.7	33
97	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	14.7	103
96	Construction of 2D SnS2/g-C3N4 Z-scheme composite with superior visible-light photocatalytic performance. *Applied Surface Science*, **2019**, 467-468, 56-64	6.7	60
95	Chemical reduction implanted oxygen vacancy on the surface of 1D MoO3-x/g-C3N4 composite for boosted LED light-driven photoactivity. *Journal of Materials Science*, **2019**, 54, 5343-5358	4.3	26
94	Steering charge transfer for boosting photocatalytic H2 evolution: Integration of two-dimensional semiconductor superiorities and noble-metal-free Schottky junction effect. *Applied Catalysis B: Environmental*, **2019**, 245, 477-485	21.8	43
93	In-situ formation of hierarchical 1D-3D hybridized carbon nanostructure supported nonnoble transition metals for efficient electrocatalysis of oxygen reaction. *Applied Catalysis B: Environmental*, **2019**, 243, 151-160	21.8	57
92	Construction of a few-layer g-C3N4/α-MoO3 nanoneedles all-solid-state Z-scheme photocatalytic system for photocatalytic degradation. *Journal of Energy Chemistry*, **2019**, 29, 65-71	12	31
91	Comparison of Triangular Silver Nanoprisms with Different Capping Agents and Structural Size for H2O2 Etching-Based Biosensors. *Nano*, **2018**, 13, 1850022	1.1	6
90	Graphene quantum dots modified Ag3PO4 for facile synthesis and the enhanced photocatalytic performance. *Journal of the Chinese Advanced Materials Society*, **2018**, 6, 255-269		7
89	Gold/monolayer graphitic carbon nitride plasmonic photocatalyst for ultrafast electron transfer in solar-to-hydrogen energy conversion. *Chinese Journal of Catalysis*, **2018**, 39, 760-770	11.3	30
88	High-Adsorption, Self-Extinguishing, Thermal, and Acoustic-Resistance Aerogels Based on Organic and Inorganic Waste Valorization from Cellulose Nanocrystals and Red Mud. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 7168-7180	8.3	50
87	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	5.1	44
86	Synthesis of PAN copolymer containing pendant 2-ureido-4[1H]-pyrimidone (UPy) units by RAFT polymerization and its adsorption behaviors of Hg2+. *Polymer Bulletin*, **2018**, 75, 4327-4339	2.4	3
85	Electrochemical immunosensor detection of tumor markers based on a GO composite nanoprobe for signal amplification. *Analytical Methods*, **2018**, 10, 526-532	3.2	13
84	An efficient method for the synthesis of a polymer brush via click chemistry and its ultrasensitive electrochemical detection of AFP. *Analytical Methods*, **2018**, 10, 2390-2397	3.2	4

83	Electrochemical CO2 Reduction with Atomic Iron-Dispersed on Nitrogen-Doped Graphene. *Advanced Energy Materials*, **2018**, 8, 1703487	21.8	277
82	1D metallic MoO2-C as co-catalyst on 2D g-C3N4 semiconductor to promote photocatlaytic hydrogen production. *Applied Surface Science*, **2018**, 447, 732-739	6.7	52
81	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	14.7	121
80	Atomic Layered Titanium Sulfide Quantum Dots as Electrocatalysts for Enhanced Hydrogen Evolution Reaction. *Advanced Materials Interfaces*, **2018**, 5, 1700895	4.6	22
79	Synergistic effects of MoO2 nanosheets and graphene-like C3N4 for highly improved visible light photocatalytic activities. *Applied Surface Science*, **2018**, 457, 1142-1150	6.7	20
78	Surface N modified 2D g-C3N4 nanosheets derived from DMF for photocatalytic H2 evolution. *Applied Surface Science*, **2018**, 459, 845-852	6.7	24
77	Multifunctional C-Doped CoFe2O4 Material as Cocatalyst to Promote Reactive Oxygen Species Generation over Magnetic Recyclable CCoFe/AgAgX Photocatalysts. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 11968-11978	8.3	29
76	Electrochemical chiral sensor based on cellulose nanocrystals and multiwall carbon nanotubes for discrimination of tryptophan enantiomers. *Cellulose*, **2018**, 25, 3861-3871	5.5	14
75	Designing Visible-Light-Driven Z-scheme Catalyst 2D g-C3N4/Bi2MoO6: Enhanced Photodegradation Activity of Organic Pollutants. *Physica Status Solidi (A) Applications and Materials Science*, **2018**, 215, 1800520	1.6	13
74	Bio-mediated synthesis and antibacterial activity against aquatic pathogens of silver nanoparticles decorated titania nanosheets in dark and under solar-light irradiation. *Materials Technology*, **2018**, 33, 532-542	2.1	6
73	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	3.9	29
72	Gold nanorods decorated with graphene oxide and multi-walled carbon nanotubes for trace level voltammetric determination of ascorbic acid. *Mikrochimica Acta*, **2018**, 186, 17	5.8	20
71	A green Pickering emulsion stabilized by cellulose nanocrystals via RAFT polymerization. *Cellulose*, **2018**, 25, 77-85	5.5	24
70	Multifunctional nanocomplex for surface-enhanced Raman scattering imaging and near-infrared photodynamic antimicrobial therapy of vancomycin-resistant bacteria. *Colloids and Surfaces B: Biointerfaces*, **2018**, 161, 394-402	6	32
69	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	21.8	132
68	Self-assembled synthesis of defect-engineered graphitic carbon nitride nanotubes for efficient conversion of solar energy. *Applied Catalysis B: Environmental*, **2018**, 225, 154-161	21.8	210
67	2D heterostructure comprised of metallic 1T-MoS2/Monolayer O-g-C3N4 towards efficient photocatalytic hydrogen evolution. *Applied Catalysis B: Environmental*, **2018**, 220, 379-385	21.8	176
66	A multidimensional In2S3CuInS2 heterostructure for photocatalytic carbon dioxide reduction. *Inorganic Chemistry Frontiers*, **2018**, 5, 3163-3169	6.8	45

65	A Specifically Exposed Cobalt Oxide/Carbon Nitride 2D Heterostructure for Carbon Dioxide Photoreduction. *Industrial & Engineering Chemistry Research*, **2018**, 57, 17394-17400	3.9	61
64	Controllable synthesized heterostructure photocatalyst MoC@C/2D g-CN: enhanced catalytic performance for hydrogen production. *Dalton Transactions*, **2018**, 47, 14706-14712	4.3	28
63	Graphene oxide-modified LaVO4 nanocomposites with enhanced photocatalytic degradation efficiency of antibiotics. *Inorganic Chemistry Frontiers*, **2018**, 5, 2818-2828	6.8	22
62	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	6	23
61	Non-metal photocatalyst nitrogen-doped carbon nanotubes modified mpg-C(3)N(4):facile synthesis and the enhanced visible-light photocatalytic activity. *Journal of Colloid and Interface Science*, **2017**, 494, 38-46	9.3	53
60	Transformation from Ag@Ag3PO4 to Ag@Ag2SO4 hybrid at room temperature: preparation and its visible light photocatalytic activity. *Journal of Nanoparticle Research*, **2017**, 19, 1	2.3	6
59	Graphene quantum dots modified mesoporous graphite carbon nitride with significant enhancement of photocatalytic activity. *Applied Catalysis B: Environmental*, **2017**, 207, 429-437	21.8	175
58	Synthesis of novel polymer brushes of poly(acrylonitrile-g-N,N?-dimethylaminoethyl methacrylate) by nitrile modification. *Iranian Polymer Journal (English Edition)*, **2017**, 26, 355-364	2.3	4
57	Reversible Formation of g-C3N4 3D Hydrogels through Ionic Liquid Activation: Gelation Behavior and Room-Temperature Gas-Sensing Properties. *Advanced Functional Materials*, **2017**, 27, 1700653	15.6	59
56	Design of 3D WO3/h-BN nanocomposites for efficient visible-light-driven photocatalysis. *RSC Advances*, **2017**, 7, 25160-25170	3.7	22
55	High Efficiency Photocatalytic Water Splitting Using 2D α-Fe2O3/g-C3N4 Z-Scheme Catalysts. *Advanced Energy Materials*, **2017**, 7, 1700025	21.8	501
54	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	21.8	62
53	Designing Z-scheme 2D-C3N4/Ag3VO4 hybrid structures for improved photocatalysis and photocatalytic mechanism insight. *Physica Status Solidi (A) Applications and Materials Science*, **2017**, 214, 1600946	1.6	16
52	Construction of SnO2/graphene-like g-C3N4 with enhanced visible light photocatalytic activity. *RSC Advances*, **2017**, 7, 36101-36111	3.7	51
51	Construction and preparation of novel 2D metal-free few-layer BN modified graphene-like g-CN with enhanced photocatalytic performance. *Dalton Transactions*, **2017**, 46, 11250-11258	4.3	39
50	Hydrothermal synthesis of mpg-C3N4 and Bi2WO6 nest-like structure nanohybrids with enhanced visible light photocatalytic activities. *RSC Advances*, **2017**, 7, 38682-38690	3.7	59
49	Metallic 1T-TiS2 nanodots anchored on a 2D graphitic C3N4 nanosheet nanostructure with high electron transfer capability for enhanced photocatalytic performance. *RSC Advances*, **2017**, 7, 55269-55275	3.7	7
48	Cryo-mediated exfoliation and fracturing of layered materials into 2D quantum dots. *Science Advances*, **2017**, 3, e1701500	14.3	70

47	Mercury detection based on label-free and isothermal enzyme-free amplified fluorescence platform. *Talanta*, **2017**, 162, 368-373	6.2	12
46	Enhancing charge density and steering charge unidirectional flow in 2D non-metallic semiconductor-CNTs-metal coupled photocatalyst for solar energy conversion. *Applied Catalysis B: Environmental*, **2017**, 202, 112-117	21.8	62
45	Facile One-Pot Green Synthesis and Antibacterial Activities of GO/Ag Nanocomposites. *Acta Metallurgica Sinica (English Letters)*, **2017**, 30, 36-44	2.5	11
44	Biogenic synthesis of silver nanoparticles using ginger (Zingiber officinale) extract and their antibacterial properties against aquatic pathogens. *Acta Oceanologica Sinica*, **2017**, 36, 95-100	1	38
43	A silver on 2D white-C3N4 support photocatalyst for mechanistic insights: synergetic utilization of plasmonic effect for solar hydrogen evolution. *RSC Advances*, **2016**, 6, 112420-112428	3.7	28
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