

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. <i>Journal of Alloys and Compounds</i> , 2022 , 904, 163788	5.7	2
189	Inherent Facet-Dominant effect for cobalt oxide nanosheets to enhance photocatalytic CO2 reduction. <i>Applied Surface Science</i> , 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. <i>Chemical Engineering Journal</i> , 2022 , 429, 132204	14.7	16
187	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	9.3	8
186	Multidimensional In2O3/In2S3 heterojunction with lattice distortion for CO2 photoconversion. <i>Chinese Journal of Catalysis</i> , 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.. <i>Biosensors and Bioelectronics</i> , 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. <i>Chemical Engineering Journal</i> , 2021 , 430, 133100	14.7	9
183	Ultrathin structure of oxygen doped carbon nitride for efficient CO2 photocatalytic reduction. <i>Nanotechnology</i> , 2021 ,	3.4	1
182	Self-assembly and boosted photodegradation properties of perylene diimide via different solvents. <i>New Journal of Chemistry</i> , 2021 , 45, 21701-21707	3.6	1
181	Crystal phase engineering boosted photo-electrochemical kinetics of CoSe for oxygen evolution catalysis.. <i>Journal of Colloid and Interface Science</i> , 2021 , 611, 22-28	9.3	3
180	Synergistic effect of isolated Co and Fe dual active sites boosting the photocatalytic hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2021 , 162290	5.7	2
179	Nanostructure and functional group engineering of black phosphorus via plasma treatment for CO2 photoreduction. <i>Journal of CO2 Utilization</i> , 2021 , 54, 101745	7.6	2
178	Boosting CO2 Capture and Its Photochemical Conversion on Bismuth Surface. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021 , 218, 2000671	1.6	0
177	Metallic rhombohedral NbS2/2D g-C3N4 composite with enhanced photogenerated carriers separation and photocatalytic performance. <i>Applied Surface Science</i> , 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. <i>Separation and Purification Technology</i> , 2021 , 261, 118269	8.3	10
175	Surface Engineering of 2D Carbon Nitride with Cobalt Sulfide Cocatalyst for Enhanced Photocatalytic Hydrogen Evolution. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021 , 218, 2100012	1.6	2
174	Minireview on the Commonly Applied Copper-Based Electrocatalysts for Electrochemical CO2 Reduction. <i>Energy & Fuels</i> , 2021 , 35, 8585-8601	4.1	5

173	Highly sensitive electrochemical immunosensor for the simultaneous detection of multiple tumor markers for signal amplification. <i>Talanta</i> , 2021 , 226, 122133	6.2	7
172	Ultrafast electron extraction by 2D carbon nitride modified with CoS cocatalyst for efficient photocatalytic performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 617, 126151	5.1	4
171	Accelerating photocatalytic hydrogen evolution of Ta ₂ O ₅ /g-C ₃ N ₄ via nanostructure engineering and surface assembly. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 20516-20523	6.7	3
170	Grain-boundary surface terminations incorporating oxygen vacancies for selectively boosting CO ₂ photoreduction activity. <i>Nano Energy</i> , 2021 , 84, 105869	17.1	19
169	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	5.7	11
168	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	12
167	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	11.3	28
166	Large-scale production of ultrathin carbon nitride-based photocatalysts for high-yield hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2021 , 281, 119475	21.8	37
165	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. <i>Separation and Purification Technology</i> , 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. <i>Journal of Colloid and Interface Science</i> , 2021 , 583, 113-127	9.3	9
163	Recent advance in single-atom catalysis. <i>Rare Metals</i> , 2021 , 40, 767-789	5.5	40
162	Plasma-induced black bismuth tungstate as a photon harvester for photocatalytic carbon dioxide conversion. <i>New Journal of Chemistry</i> , 2021 , 45, 1993-2000	3.6	3
161	Constructing Ni ₃ C/2D g-C ₃ N ₄ Photocatalyst and the Internal Catalytic Mechanism Study. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021 , 218, 2100171	1.6	
160	Unique Dual-Sites Boosting Overall CO Photoconversion by Hierarchical Electron Harvesters. <i>Small</i> , 2021 , 17, e2103796	11	17
159	Accelerated Photoreduction of CO to CO over a Stable Heterostructure with a Seamless Interface. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 39523-39532	9.5	12
158	Exploring deep effects of atomic vacancies on activating CO ₂ photoreduction via rationally designing indium oxide photocatalysts. <i>Chemical Engineering Journal</i> , 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. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 629, 127360	5.1	2
156	Solar driven high efficiency hydrogen evolution catalyzed by surface engineered ultrathin carbon nitride. <i>New Journal of Chemistry</i> , 2020 , 44, 19314-19322	3.6	0

155	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	2.7	5
154	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	21.8	39
153	In-situ hydroxyl modification of monolayer black phosphorus for stable photocatalytic carbon dioxide conversion. <i>Applied Catalysis B: Environmental</i> , 2020 , 269, 118760	21.8	76
152	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	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. <i>Solar Rrl</i> , 2020 , 4, 1900538	7.1	17
150	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	6.1	26
149	Crystal phase dependent solar driven hydrogen evolution catalysis over cobalt diselenide. <i>Chemical Engineering Journal</i> , 2020 , 396, 125244	14.7	23
148	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	4.4	20
147	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	6.7	11
146	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	7.1	50
145	Efficient photocatalytic hydrogen evolution by engineering amino groups into ultrathin 2D graphitic carbon nitride. <i>Applied Surface Science</i> , 2020 , 507, 145085	6.7	9
144	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	5.1	5
143	Synthesis of Photothermally Stable Triangular Silver Nanoplates for SERS Applications, Photokilling of Bacteria. <i>ChemNanoMat</i> , 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. <i>Polymer Chemistry</i> , 2020 , 11, 900-908	4.9	12
141	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	6.8	38
140	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	8.3	20
139	Sustainable supercapacitors of nitrogen-doping porous carbon based on cellulose nanocrystals and urea. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 4095-4103	7.9	9
138	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	9.3	14

137	An All-Organic D-A System for Visible-Light-Driven Overall Water Splitting. <i>Small</i> , 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. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 47245-47255	9.5	22
135	Metal Nanoparticles Confined within an Inorganic-Organic Framework Enable Superior Substrate-Selective Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 42739-42748	9.5	8
134	Emerging surface strategies on graphitic carbon nitride for solar driven water splitting. <i>Chemical Engineering Journal</i> , 2020 , 382, 122812	14.7	97
133	Short-time Thermal Oxidation of Ultrathin and Broadband Carbon Nitride for Efficient Photocatalytic H ₂ Generation. <i>ChemCatChem</i> , 2020 , 12, 1169-1176	5.2	2
132	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	9.3	21
131	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	5.1	13
130	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	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. <i>Journal of Hazardous Materials</i> , 2020 , 396, 122659	12.8	11
128	Tailoring of crystalline structure of carbon nitride for superior photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 324-334	9.3	10
127	Graphene quantum dots modified flower like BiWO ₄ for enhanced photocatalytic nitrogen fixation. <i>Journal of Colloid and Interface Science</i> , 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. <i>ACS Nano</i> , 2019 , 13, 11294-11302	16.7	66
125	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	13	51
124	Rapid synthesis of ultrathin 2D materials through liquid-nitrogen and microwave treatments. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 5209-5213	13	60
123	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	6.7	13
122	2-Aminopurine modified DNA probe for rapid and sensitive detection of L-cysteine. <i>Talanta</i> , 2019 , 202, 520-525	6.2	4
121	Porous nitrogen-rich g-C ₃ N ₄ nanotubes for efficient photocatalytic CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 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. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14291-14301	13	21

119	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	5.7	24
118	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	14.7	42
117	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	6.8	15
116	Fabrication of magnetic BaFe ₁₂ O ₁₉ /Ag ₃ PO ₄ composites with an in situ photo-Fenton-like reaction for enhancing reactive oxygen species under visible light irradiation. <i>Catalysis Science and Technology</i> , 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. <i>Small</i> , 2019 , 15, e1804613	11	32
114	Unveiling the origin of boosted photocatalytic hydrogen evolution in simultaneously (S, P, O)-Codoped and exfoliated ultrathin g-C ₃ N ₄ nanosheets. <i>Applied Catalysis B: Environmental</i> , 2019 , 248, 84-94	21.8	203
113	Constructing Schottky junction between 2D semiconductor and metallic nickel phosphide for highly efficient catalytic hydrogen evolution. <i>Applied Surface Science</i> , 2019 , 495, 143528	6.7	21
112	Preparation of oxygen-deficient 2D WO ₃ nanoplates and their adsorption behaviors for organic pollutants: equilibrium and kinetics modeling. <i>Journal of Materials Science</i> , 2019 , 54, 12463-12475	4.3	14
111	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	12.1	14
110	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	2.1	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. <i>Chinese Chemical Letters</i> , 2019 , 30, 2065-2088	8.1	72
107	Preparation of Co-Mo-O ultrathin nanosheets with outstanding catalytic performance in aerobic oxidative desulfurization. <i>Chemical Communications</i> , 2019 , 55, 13995-13998	5.8	22
106	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	21.8	179
105	Construction of novel CNT/LaVO ₄ nanostructures for efficient antibiotic photodegradation. <i>Chemical Engineering Journal</i> , 2019 , 357, 487-497	14.7	113
104	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	9.5	29
103	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	2.3	1
102	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	6.7	71

101	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	8.3	12
100	Constructing Pd/2D-C3N4 composites for efficient photocatalytic H ₂ evolution through nonplasmon-induced bound electrons. <i>Applied Surface Science</i> , 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 MoSe ₂ . <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 330-336	21.8	78
98	Integrating CoOx cocatalyst on hexagonal Fe ₂ O ₃ for effective photocatalytic oxygen evolution. <i>Applied Surface Science</i> , 2019 , 469, 933-940	6.7	33
97	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	14.7	103
96	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	6.7	60
95	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	4.3	26
94	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	21.8	43
93	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	21.8	57
92	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	31
91	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	1.1	6
90	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		7
89	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	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. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 7168-7180	8.3	50
87	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	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 Hg ²⁺ . <i>Polymer Bulletin</i> , 2018 , 75, 4327-4339	2.4	3
85	Electrochemical immunosensor detection of tumor markers based on a GO composite nanoprobe for signal amplification. <i>Analytical Methods</i> , 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. <i>Analytical Methods</i> , 2018 , 10, 2390-2397	3.2	4

83	Electrochemical CO ₂ Reduction with Atomic Iron-Dispersed on Nitrogen-Doped Graphene. <i>Advanced Energy Materials</i> , 2018 , 8, 1703487	21.8	277
82	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	6.7	52
81	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	14.7	121
80	Atomic Layered Titanium Sulfide Quantum Dots as Electrocatalysts for Enhanced Hydrogen Evolution Reaction. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1700895	4.6	22
79	Synergistic effects of MoO ₂ nanosheets and graphene-like C ₃ N ₄ for highly improved visible light photocatalytic activities. <i>Applied Surface Science</i> , 2018 , 457, 1142-1150	6.7	20
78	Surface N modified 2D g-C ₃ N ₄ nanosheets derived from DMF for photocatalytic H ₂ evolution. <i>Applied Surface Science</i> , 2018 , 459, 845-852	6.7	24
77	Multifunctional C-Doped CoFe ₂ O ₄ Material as Cocatalyst to Promote Reactive Oxygen Species Generation over Magnetic Recyclable CoFe/Ag/AgX Photocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 11968-11978	8.3	29
76	Electrochemical chiral sensor based on cellulose nanocrystals and multiwall carbon nanotubes for discrimination of tryptophan enantiomers. <i>Cellulose</i> , 2018 , 25, 3861-3871	5.5	14
75	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	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. <i>Materials Technology</i> , 2018 , 33, 532-542	2.1	6
73	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	37.0	29
72	Gold nanorods decorated with graphene oxide and multi-walled carbon nanotubes for trace level voltammetric determination of ascorbic acid. <i>Mikrochimica Acta</i> , 2018 , 186, 17	5.8	20
71	A green Pickering emulsion stabilized by cellulose nanocrystals via RAFT polymerization. <i>Cellulose</i> , 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. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 161, 394-402	6	32
69	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	21.8	132
68	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	21.8	210
67	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	21.8	176
66	A multidimensional In ₂ S ₃ /In ₂ S ₃ heterostructure for photocatalytic carbon dioxide reduction. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 3163-3169	6.8	45

65	A Specifically Exposed Cobalt Oxide/Carbon Nitride 2D Heterostructure for Carbon Dioxide Photoreduction. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 17394-17400	3.9	61
64	Controllable synthesized heterostructure photocatalyst MoC@C/2D g-CN: enhanced catalytic performance for hydrogen production. <i>Dalton Transactions</i> , 2018 , 47, 14706-14712	4.3	28
63	Graphene oxide-modified LaVO ₄ nanocomposites with enhanced photocatalytic degradation efficiency of antibiotics. <i>Inorganic Chemistry Frontiers</i> , 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. <i>Colloids and Surfaces B: Biointerfaces</i> , 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. <i>Journal of Colloid and Interface Science</i> , 2017 , 494, 38-46	9.3	53
60	Transformation from Ag@Ag ₃ PO ₄ to Ag@Ag ₂ SO ₄ hybrid at room temperature: preparation and its visible light photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	6
59	Graphene quantum dots modified mesoporous graphite carbon nitride with significant enhancement of photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2017 , 207, 429-437	21.8	175
58	Synthesis of novel polymer brushes of poly(acrylonitrile-g-N,N'-dimethylaminoethyl methacrylate) by nitrile modification. <i>Iranian Polymer Journal (English Edition)</i> , 2017 , 26, 355-364	2.3	4
57	Reversible Formation of g-C ₃ N ₄ 3D Hydrogels through Ionic Liquid Activation: Gelation Behavior and Room-Temperature Gas-Sensing Properties. <i>Advanced Functional Materials</i> , 2017 , 27, 1700653	15.6	59
56	Design of 3D WO ₃ /h-BN nanocomposites for efficient visible-light-driven photocatalysis. <i>RSC Advances</i> , 2017 , 7, 25160-25170	3.7	22
55	High Efficiency Photocatalytic Water Splitting Using 2D Fe ₂ O ₃ /g-C ₃ N ₄ Z-Scheme Catalysts. <i>Advanced Energy Materials</i> , 2017 , 7, 1700025	21.8	501
54	Enhancing reactive oxygen species generation and photocatalytic performance via adding oxygen reduction reaction catalysts into the photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2017 , 218, 174-185	21.8	62
53	Designing Z-scheme 2D-C 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	1.6	16
52	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	3.7	51
51	Construction and preparation of novel 2D metal-free few-layer BN modified graphene-like g-CN with enhanced photocatalytic performance. <i>Dalton Transactions</i> , 2017 , 46, 11250-11258	4.3	39
50	Hydrothermal synthesis of mpg-C ₃ N ₄ and Bi ₂ WO ₆ nest-like structure nanohybrids with enhanced visible light photocatalytic activities. <i>RSC Advances</i> , 2017 , 7, 38682-38690	3.7	59
49	Metallic 1T-TiS ₂ nanodots anchored on a 2D graphitic C ₃ N ₄ nanosheet nanostructure with high electron transfer capability for enhanced photocatalytic performance. <i>RSC Advances</i> , 2017 , 7, 55269-55275	2.7	7
48	Cryo-mediated exfoliation and fracturing of layered materials into 2D quantum dots. <i>Science Advances</i> , 2017 , 3, e1701500	14.3	70

47	Mercury detection based on label-free and isothermal enzyme-free amplified fluorescence platform. <i>Talanta</i> , 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. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 112-117	21.8	62
45	Facile One-Pot Green Synthesis and Antibacterial Activities of GO/Ag Nanocomposites. <i>Acta Metallurgica Sinica (English Letters)</i> , 2017 , 30, 36-44	2.5	11
44	Biogenic synthesis of silver nanoparticles using ginger (<i>Zingiber officinale</i>) extract and their antibacterial properties against aquatic pathogens. <i>Acta Oceanologica Sinica</i> , 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. <i>RSC Advances</i> , 2016 , 6, 112420-112428	3.7	28
42	Oxygenated monolayer carbon nitride for excellent photocatalytic hydrogen evolution and external quantum efficiency. <i>Nano Energy</i> , 2016 , 27, 138-146	17.1	303
41	Preparation of corn stalk-based adsorbents and their specific application in metal ions adsorption. <i>Chemical Papers</i> , 2016 , 70,	1.9	8
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38	Three-dimensionally ordered macroporous WO ₃ modified Ag ₃ PO ₄ with enhanced visible light photocatalytic performance. <i>Ceramics International</i> , 2016 , 42, 1392-1398	5.1	24
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29	Synthesis and characterization of BN/Bi ₂ WO ₆ composite photocatalysts with enhanced visible-light photocatalytic activity. <i>RSC Advances</i> , 2015 , 5, 88832-88840	3.7	32
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27	Synthesis of few-layer MoS ₂ nanosheet-loaded Ag ₃ PO ₄ for enhanced photocatalytic activity. <i>Dalton Transactions</i> , 2015 , 44, 3057-66	4.3	66
26	g-C ₃ N ₄ modified Bi ₂ O ₃ composites with enhanced visible-light photocatalytic activity. <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 76, 112-119	3.9	86
25	Making Good Use of Food Wastes: Green Synthesis of Highly Stabilized Silver Nanoparticles from Grape Seed Extract and Their Antimicrobial Activity. <i>Food Biophysics</i> , 2015 , 10, 12-18	3.2	43
24	Iron-mediated activators generated by electron transfer for atom-transfer radical polymerization of methyl methacrylate using ionic liquid as ligand and Fe(0) wire as reducing agent. <i>Polymer International</i> , 2015 , 64, 1754-1761	3.3	3
23	Magnetic g-C ₃ N ₄ /NiFe ₂ O ₄ hybrids with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015 , 5, 57960-57967	3.7	92
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13	Improving the photocatalytic activity and stability of graphene-like BN/AgBr composites. <i>Applied Surface Science</i> , 2014 , 313, 1-9	6.7	58
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8	Highly sensitive recognition of Pb(2+) using Pb(2+) triggered exonuclease aided DNA recycling. <i>Biosensors and Bioelectronics</i> , 2013 , 47, 520-3	11.8	29
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