

Hui Xu

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164
papers

10,813
citations

52
h-index

101
g-index

176
ext. papers

12,652
ext. citations

6.8
avg. IF

6.45
L-index

#	Paper	IF	Citations
164	A luminescent mixed-lanthanide metal-organic framework thermometer. <i>Journal of the American Chemical Society</i> , 2012 , 134, 3979-82	16.4	896
163	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
162	A luminescent nanoscale metal-organic framework for sensing of nitroaromatic explosives. <i>Chemical Communications</i> , 2011 , 47, 3153-5	5.8	401
161	Metal-organic framework nanosheets for fast-response and highly sensitive luminescent sensing of Fe ³⁺ . <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10900-10905	13	330
160	Confinement of pyridinium hemicyanine dye within an anionic metal-organic framework for two-photon-pumped lasing. <i>Nature Communications</i> , 2013 , 4, 2719	17.4	327
159	A robust near infrared luminescent ytterbium metal-organic framework for sensing of small molecules. <i>Chemical Communications</i> , 2011 , 47, 5551-3	5.8	321
158	Ionic liquid-induced strategy for carbon quantum dots/BiOX (X = Br, Cl) hybrid nanosheets with superior visible light-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2016 , 181, 260-269	21.8	318
157	Graphene-analogue carbon nitride: novel exfoliation synthesis and its application in photocatalysis and photoelectrochemical selective detection of trace amount of Cu ²⁺ . <i>Nanoscale</i> , 2014 , 6, 1406-15	7.7	308
156	A Zn ⁴⁺ -containing doubly interpenetrated porous metal-organic framework for photocatalytic decomposition of methyl orange. <i>Chemical Communications</i> , 2011 , 47, 11715-7	5.8	289
155	Exfoliated graphene-like carbon nitride in organic solvents: enhanced photocatalytic activity and highly selective and sensitive sensor for the detection of trace amounts of Cu ²⁺ . <i>Journal of Materials Chemistry A</i> , 2014 , 2, 2563	13	288
154	Electrochemical CO ₂ Reduction with Atomic Iron-Dispersed on Nitrogen-Doped Graphene. <i>Advanced Energy Materials</i> , 2018 , 8, 1703487	21.8	277
153	Z-Scheme 2D/2D Heterojunction of Black Phosphorus/Monolayer Bi ₂ WO ₆ Nanosheets with Enhanced Photocatalytic Activities. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2073-2077	16.4	266
152	Recent progress in metal-organic frameworks-based hydrogels and aerogels and their applications. <i>Coordination Chemistry Reviews</i> , 2019 , 398, 213016	23.2	263
151	One-pot synthesis of visible-light-driven plasmonic photocatalyst Ag/AgCl in ionic liquid. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 22-9	9.5	200
150	Synthesis of magnetic CoFe ₂ O ₄ /g-C ₃ N ₄ composite and its enhancement of photocatalytic ability under visible-light. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 478, 71-80	5.1	192
149	Controllable synthesis of Bi ₄ O ₅ Br ₂ ultrathin nanosheets for photocatalytic removal of ciprofloxacin and mechanism insight. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15108-15118	13	167
148	Tunable titanium metal-organic frameworks with infinite 1D TiO ₂ rods for efficient visible-light-driven photocatalytic H ₂ evolution. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11928-11933	13	153

147	Synthesis and characterization of CeO ₂ /g-C ₃ N ₄ composites with enhanced visible-light photocatalytic activity. <i>RSC Advances</i> , 2013 , 3, 22269	3.7	136
146	Construction of a 2D Graphene-Like MoS ₂ /C ₃ N ₄ Heterojunction with Enhanced Visible-Light Photocatalytic Activity and Photoelectrochemical Activity. <i>Chemistry - A European Journal</i> , 2016 , 22, 4764-4773	4.8	135
145	A luminescent nanoscale metal-organic framework with controllable morphologies for spore detection. <i>Chemical Communications</i> , 2012 , 48, 7377-9	5.8	133
144	A microporous metal-organic framework with both open metal and Lewis basic pyridyl sites for highly selective C ₂ H ₂ /CH ₄ and C ₂ H ₂ /CO ₂ gas separation at room temperature. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 77-81	13	131
143	Porous anatase TiO ₂ constructed from a metal-organic framework for advanced lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12571	13	128
142	Enhancing Oxygen Evolution Reaction through Modulating Electronic Structure of Trimetallic Electrocatalysts Derived from Metal-Organic Frameworks. <i>Small</i> , 2019 , 15, e1901940	11	127
141	A new approach to construct a doubly interpenetrated microporous metal-organic framework of primitive cubic net for highly selective sorption of small hydrocarbon molecules. <i>Chemistry - A European Journal</i> , 2011 , 17, 7817-22	4.8	127
140	Direct Synthesis of Porous Nanorod-Type Graphitic Carbon Nitride/CuO Composite from Cu-Melamine Supramolecular Framework towards Enhanced Photocatalytic Performance. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 1276-80	4.5	118
139	Carbon Quantum Dots Induced Ultrasmall BiOI Nanosheets with Assembled Hollow Structures for Broad Spectrum Photocatalytic Activity and Mechanism Insight. <i>Langmuir</i> , 2016 , 32, 2075-84	4	114
138	One-pot synthesis of copper-doped graphitic carbon nitride nanosheet by heating Cu/melamine supramolecular network and its enhanced visible-light-driven photocatalysis. <i>Journal of Solid State Chemistry</i> , 2015 , 228, 60-64	3.3	105
137	Synthesis of g-C ₃ N ₄ at different temperatures for superior visible/UV photocatalytic performance and photoelectrochemical sensing of MB solution. <i>RSC Advances</i> , 2015 , 5, 101552-101562	3.7	105
136	Different Morphologies of SnS ₂ Supported on 2D g-C ₃ N ₄ for Excellent and Stable Visible Light Photocatalytic Hydrogen Generation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5132-5141	8.3	102
135	Gold Nanoparticles and g-C ₃ N ₄ -Intercalated Graphene Oxide Membrane for Recyclable Surface Enhanced Raman Scattering. <i>Advanced Functional Materials</i> , 2017 , 27, 1701714	15.6	102
134	Single-Atom Coated Separator for Robust Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 25147-25154	9.5	95
133	Facile Gel-Based Morphological Control of Ag/g-C ₃ N ₄ Porous Nanofibers for Photocatalytic Hydrogen Generation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 10633-10639	8.3	92
132	Magnetic g-C ₃ N ₄ /NiFe ₂ O ₄ hybrids with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015 , 5, 57960-57967	5.7	92
131	A ketone functionalized luminescent terbium metal-organic framework for sensing of small molecules. <i>Chemical Communications</i> , 2015 , 51, 376-9	5.8	90
130	Morphology regulation of metal-organic framework-derived nanostructures for efficient oxygen evolution electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18215-18219	13	79

129	A Doubly Interpenetrated Metal-Organic Framework with Open Metal Sites and Suitable Pore Sizes for Highly Selective Separation of Small Hydrocarbons at Room Temperature. <i>Crystal Growth and Design</i> , 2013 , 13, 2094-2097	3.5	77
128	Enhanced Photocatalytic Activity of Ag ₃ VO ₄ Loaded with Rare-Earth Elements under Visible-Light Irradiation. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 10771-10778	3.9	77
127	A cationic microporous metal-organic framework for highly selective separation of small hydrocarbons at room temperature. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9916	13	75
126	Visible-light-driven Ag/AgBr/ZnFeO composites with excellent photocatalytic activity for E. coli disinfection and organic pollutant degradation. <i>Journal of Colloid and Interface Science</i> , 2018 , 512, 555-586	8.3	68
125	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
124	Synthesis and characterization of g-C ₃ N ₄ /Ag ₂ CO ₃ with enhanced visible-light photocatalytic activity for the degradation of organic pollutants. <i>RSC Advances</i> , 2014 , 4, 34539	3.7	64
123	3D Coral-Like NiS on Ni Foam as a Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31330-31339	9.5	62
122	A metal-organic framework for selectively sensing of PO ₄ ³⁻ anion in aqueous solution. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 2552-2554	5.7	61
121	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
120	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
119	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
118	Synthesis and photocatalytic activity of a bentonite/g-C ₃ N ₄ composite. <i>RSC Advances</i> , 2014 , 4, 11831	3.7	59
117	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
116	Trimetallic Metal-Organic Framework Derived Carbon-Based Nanoflower Electrocatalysts for Efficient Overall Water Splitting. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900290	4.6	55
115	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
114	Ionic liquid-assisted synthesis and improved photocatalytic activity of p-n junction g-C ₃ N ₄ /BiOCl. <i>Journal of Materials Science</i> , 2016 , 51, 4769-4777	4.3	52
113	An -OH group functionalized MOF for ratiometric Fe ³⁺ sensing. <i>Journal of Solid State Chemistry</i> , 2018 , 258, 441-446	3.3	52
112	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

111	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
110	Benzimidazole-functionalized Zr-UiO-66 nanocrystals for luminescent sensing of Fe ³⁺ in water. <i>Journal of Solid State Chemistry</i> , 2017 , 245, 160-163	3.3	51
109	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
108	Z-Scheme 2D/2D Heterojunction of Black Phosphorus/Monolayer Bi ₂ WO ₆ Nanosheets with Enhanced Photocatalytic Activities. <i>Angewandte Chemie</i> , 2019 , 131, 2095-2099	3.6	50
107	High yield synthesis of nano-size g-C ₃ N ₄ derivatives by a dissolve-regrowth method with enhanced photocatalytic ability. <i>RSC Advances</i> , 2015 , 5, 26281-26290	3.7	47
106	Magnetically separable Fe ₂ O ₃ /g-C ₃ N ₄ catalyst with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015 , 5, 95727-95735	3.7	45
105	Magnetically Separable Fe ₃ O ₄ Nanoparticles-Decorated Reduced Graphene Oxide Nanocomposite for Catalytic Wet Hydrogen Peroxide Oxidation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013 , 23, 907-916	3.2	45
104	A multidimensional In ₂ S ₃ /In ₂ S ₂ heterostructure for photocatalytic carbon dioxide reduction. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 3163-3169	6.8	45
103	Graphitic Carbon Nitride Nanorods for Photoelectrochemical Sensing of Trace Copper(II) Ions. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 3665-3673	2.3	44
102	Recyclable Visible Light-Driven O-g-CN/Graphene Oxide/N-Carbon Nanotube Membrane for Efficient Removal of Organic Pollutants. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42427-42435	9.5	43
101	Synthesis and photocatalytic activity of g-C ₃ N ₄ /BiOI/BiOBr ternary composites. <i>RSC Advances</i> , 2016 , 6, 41204-41213	3.7	42
100	Enhanced long-wavelength light utilization with polyaniline/bismuth-rich bismuth oxyhalide composite towards photocatalytic degradation of antibiotics. <i>Journal of Colloid and Interface Science</i> , 2019 , 537, 101-111	9.3	42
99	An All-Organic D-A System for Visible-Light-Driven Overall Water Splitting. <i>Small</i> , 2020 , 16, e2003914	11	41
98	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
97	Recent advance in single-atom catalysis. <i>Rare Metals</i> , 2021 , 40, 767-789	5.5	40
96	In situ construction efficient visible-light-driven three-dimensional Polypyrrole/ZnInS nanoflower to systematically explore the photoreduction of Cr(VI): Performance, factors and mechanism. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121480	12.8	39
95	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
94	A core-shell structured magnetic Ag/AgBr@Fe ₂ O ₃ composite with enhanced photocatalytic activity for organic pollutant degradation and antibacterium. <i>RSC Advances</i> , 2015 , 5, 71035-71045	3.7	37

- 93 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 9.3 36
- 92 A Z-scheme magnetic recyclable Ag/AgBr@CoFe₂O₄ photocatalyst with enhanced photocatalytic performance for pollutant and bacterial elimination. *RSC Advances*, **2017**, 7, 30845-30854 3.7 35
- 91 g-C₃N₄/TiO₂ Nanocomposites for Degradation of Ciprofloxacin under Visible Light Irradiation. *ChemistrySelect*, **2016**, 1, 5679-5685 1.8 35
- 90 Modification of Ag₃VO₄ with graphene-like MoS₂ for enhanced visible-light photocatalytic property and stability. *New Journal of Chemistry*, **2016**, 40, 2168-2177 3.6 35
- 89 Preparation and thiols sensing of luminescent metal-organic framework films functionalized with lanthanide ions. *Microporous and Mesoporous Materials*, **2013**, 179, 198-204 5.3 35
- 88 Bimetallic metal-organic framework nanosheets as efficient electrocatalysts for oxygen evolution reaction. *Journal of Solid State Chemistry*, **2019**, 272, 32-37 3.3 34
- 87 Two-Dimensional Co@N-Carbon Nanocomposites Facilely Derived from Metal-Organic Framework Nanosheets for Efficient Bifunctional Electrocatalysis. *Chemistry - an Asian Journal*, **2018**, 13, 1485-1491 4.5 33
- 86 Novel Ag₂S quantum dot modified 3D flower-like SnS₂ composites for photocatalytic and photoelectrochemical applications. *Inorganic Chemistry Frontiers*, **2018**, 5, 63-72 6.8 33
- 85 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
- 84 Graphene-analogue boron nitride/Ag₃PO₄ composite for efficient visible-light-driven photocatalysis. *RSC Advances*, **2014**, 4, 56853-56862 3.7 32
- 83 Two Co-zeolite imidazolate frameworks with different topologies for degradation of organic dyes via peroxymonosulfate activation. *Journal of Solid State Chemistry*, **2017**, 256, 10-13 3.3 31
- 82 Preparation of magnetic Ag/AgCl/CoFe₂O₄ composites with high photocatalytic and antibacterial ability. *RSC Advances*, **2015**, 5, 41475-41483 3.7 29
- 81 Hexamethylenetetramine-assisted hydrothermal synthesis of octahedral nickel ferrite oxide nanocrystallines with excellent supercapacitive performance. *Journal of Materials Science*, **2018**, 53, 7621-7636 4.3 29
- 80 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 7.0 29
- 79 Core-shell magnetic Ag/AgCl@Fe₂O₃ photocatalysts with enhanced photoactivity for eliminating bisphenol A and microbial contamination. *New Journal of Chemistry*, **2016**, 40, 3413-3422 3.6 27
- 78 Novel visible-light-driven Fe₂O₃/Ag₃VO₄ composite with enhanced photocatalytic activity toward organic pollutants degradation. *RSC Advances*, **2016**, 6, 3600-3607 3.7 26
- 77 Chemical reduction implanted oxygen vacancy on the surface of 1D MoO₃/g-C₃N₄ composite for boosted LED light-driven photoactivity. *Journal of Materials Science*, **2019**, 54, 5343-5358 4.3 26
- 76 Small-molecule axon-polarization studies enabled by a shear-free microfluidic gradient generator. *Lab on A Chip*, **2014**, 14, 2047-56 7.2 25

75	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	13	24
74	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
73	Understanding Photoelectrochemical Water Oxidation with X-ray Absorption Spectroscopy. <i>ACS Energy Letters</i> , 2020 , 5, 975-993	20.1	22
72	Porous defective carbon nitride obtained by a universal method for photocatalytic hydrogen production from water splitting. <i>Journal of Colloid and Interface Science</i> , 2020 , 566, 171-182	9.3	22
71	MO degradation by Ag-Ag ₂ O/g-C ₃ N ₄ composites under visible-light irradiation. <i>SpringerPlus</i> , 2016 , 5, 369		22
70	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
69	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
68	Facile synthesis of CNT/AgI with enhanced photocatalytic degradation and antibacterial ability. <i>RSC Advances</i> , 2016 , 6, 6905-6914	3.7	21
67	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
66	Titanium metal-organic framework nanorods for highly sensitive nitroaromatic explosives detection and nanomolar sensing of Fe ³⁺ . <i>Journal of Solid State Chemistry</i> , 2019 , 278, 120892	3.3	20
65	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
64	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
63	Plasmonic-enhanced visible-light-driven photocatalytic activity of Ag ₂ AgBr synthesized in reactable ionic liquid. <i>Journal of Chemical Technology and Biotechnology</i> , 2012 , 87, 1626-1633	3.5	19
62	Construction of solid-liquid interfacial Fenton-like reaction under visible light irradiation over etched CoxFeyO ₄ BiOBr photocatalysts. <i>Catalysis Science and Technology</i> , 2018 , 8, 551-561	5.5	19
61	Oxidative Absorption of Elemental Mercury from Flue Gas Using a Modified Fenton-like Wet Scrubbing System. <i>Energy & Fuels</i> , 2019 , 33, 3028-3033	4.1	18
60	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
59	Distributed-feedback laser actions in zirconia-ORMOSIL waveguides based on energy transfer between co-doped laser dyes. <i>Optics Communications</i> , 2008 , 281, 5218-5221	2	17
58	Synthesis of Multiwalled Carbon Nanotube Modified BiOCl Microspheres with Enhanced Visible-Light Response Photoactivity. <i>Clean - Soil, Air, Water</i> , 2016 , 44, 781-787	1.6	17

57	Enhanced visible-light-driven photocatalytic activity of Ag ₃ PO ₄ /metal-organic framework composite. <i>Polyhedron</i> , 2019 , 163, 1-6	2.7	17
56	An efficient broad spectrum-driven carbon and oxygen co-doped g-CN for the photodegradation of endocrine disrupting: Mechanism, degradation pathway, DFT calculation and toluene selective oxidation. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123309	12.8	17
55	Unique Dual-Sites Boosting Overall CO Photoconversion by Hierarchical Electron Harvesters. <i>Small</i> , 2021 , 17, e2103796	11	17
54	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
53	WO ₃ nanorod photocatalysts decorated with few-layer g-C ₃ N ₄ nanosheets: controllable synthesis and photocatalytic mechanism research. <i>RSC Advances</i> , 2016 , 6, 80193-80200	3.7	16
52	Bimetallic Metal-Organic Framework-Derived Nanosheet-Assembled Nanoflower Electrocatalysts for Efficient Oxygen Evolution Reaction. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1590-1594	4.5	15
51	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
50	An ortho-methylated fluorescent chemosensor based on pyrromethene for highly selective and sensitive detection of Ag ⁺ and Hg ²⁺ ions. <i>Materials Chemistry and Physics</i> , 2013 , 141, 591-595	4.4	15
49	The CeO ₂ /Ag ₃ PO ₄ photocatalyst with stability and high photocatalytic activity under visible light irradiation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 2356-2363	1.6	15
48	Graphene Oxide-Loaded SnO ₂ Quantum Wires with Sub-4 Nanometer Diameters for Low-Temperature H ₂ S Gas Sensing. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6385-6393	5.6	14
47	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
46	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
45	Single layer two-dimensional O-g-C ₃ N ₄ : An efficient photocatalyst for improved molecular oxygen activation ability. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017 , 214, 1600704	1.6	13
44	Surfactant-thermal method to synthesize a new Zn(II)-trimesic MOF with confined Ru(bpy) ₃ ²⁺ complex. <i>Journal of Solid State Chemistry</i> , 2015 , 226, 295-298	3.3	13
43	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
42	A fluorescent titanium-based metal-organic framework sensor for nitroaromatics and nanomolar Fe ³⁺ detection. <i>Journal of Solid State Chemistry</i> , 2020 , 288, 121391	3.3	13
41	In situ growth of Ag/AgCl on the surface of CNT and the effect of CNT on the photoactivity of the composite. <i>New Journal of Chemistry</i> , 2015 , 39, 5540-5547	3.6	12
40	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

39	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
38	Construction of 3D Hierarchical GO/MoS ₂ /g-C ₃ N ₄ Ternary Nanocomposites with Enhanced Visible-Light Photocatalytic Degradation Performance. <i>ChemistrySelect</i> , 2019 , 4, 7123-7133	1.8	11
37	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
36	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
35	Facile preparation of continuous indium metal-organic framework thin films on indium tin oxide glass. <i>Thin Solid Films</i> , 2013 , 544, 296-300	2.2	10
34	Energy transfer mechanisms among various laser dyes co-doped into gel glasses. <i>Dyes and Pigments</i> , 2013 , 96, 242-248	4.6	10
33	Fabrication and characterization of visible-light-induced photocatalyst Gd ₂ O ₃ /Ag ₃ VO ₄ . <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2010 , 99, 471	1.6	10
32	Electrocatalysis: Trimetallic Metal-Organic Framework Derived Carbon-Based Nanoflower Electrocatalysts for Efficient Overall Water Splitting (Adv. Mater. Interfaces 12/2019). <i>Advanced Materials Interfaces</i> , 2019 , 6, 1970078	4.6	9
31	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
30	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
29	Partial Oxidation of Sn ²⁺ Induced Oxygen Vacancy Overspread on the Surface of SnO ₂ /g-C ₃ N ₄ Composites for Enhanced LED-Light-Driven Photoactivity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019 , 29, 765-775	3.2	8
28	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
27	Modulating the Electronic Structure of Porous Nanocubes Derived from Trimetallic Metal-Organic Frameworks to Boost Oxygen Evolution Reaction Performance. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 3357-3362	4.5	7
26	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
25	Interfacial self-assembly of monolayer Mg-doped NiO honeycomb structured thin film with enhanced performance for gas sensing. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 11498-11508	2.1	7
24	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	3.7	7
23	Construction of cobaltous oxide/nickel-iron oxide electrodes with great cycle stability and high energy density for advanced asymmetry supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 21219-21228	2.1	5
22	Minireview on the Commonly Applied Copper-Based Electrocatalysts for Electrochemical CO ₂ Reduction. <i>Energy & Fuels</i> , 2021 , 35, 8585-8601	4.1	5

21	A Fluorescent Titanium-based Metal-Organic Framework Sensor for Nitro-aromatics Detection. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 759-763	1.3	5
20	Anchoring Copper Single Atoms on Porous Boron Nitride Nanofiber to Boost Selective Reduction of Nitroaromatics.. <i>ACS Nano</i> , 2022 ,	16.7	5
19	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
18	Graphene-like BN/BiOBr composite: synthesis via a reactable ionic liquid and enhanced visible light photocatalytic performance. <i>Materials Technology</i> , 2016 , 31, 463-470	2.1	4
17	Porous-C3N4 with High Ability for Selective Adsorption and Photodegradation of Dyes Under Visible-Light. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017 , 27, 1674-1682	3.2	3
16	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
15	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
14	In Situ Growth and Activation of Ag/Ag2S Nanowire Clusters by H2S Plasma Treatment for Promoted Electrocatalytic CO2 Reduction. <i>Advanced Sustainable Systems</i> , 2100256	5.9	3
13	Construction of a 2D Graphene-Like MoS2/C3N4 Heterojunction with Enhanced Visible-Light Photocatalytic Activity and Photoelectrochemical Activity. <i>Chemistry - A European Journal</i> , 2016 , 22, 4644-4645 ²	4.8	2
12	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
11	Short-time Thermal Oxidation of Ultrathin and Broadband Carbon Nitride for Efficient Photocatalytic H2 Generation. <i>ChemCatChem</i> , 2020 , 12, 1169-1176	5.2	2
10	Hydrogels: Reversible Formation of g-C3N4 3D Hydrogels through Ionic Liquid Activation: Gelation Behavior and Room-Temperature Gas-Sensing Properties (Adv. Funct. Mater. 22/2017). <i>Advanced Functional Materials</i> , 2017 , 27,	15.6	1
9	Hydrothermal Synthesis and Up-conversion Luminescence of Ho ³⁺ /Yb ³⁺ Co-doped PbTiO ₃ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019 , 645, 1111-1117	1.3	1
8	Ultrathin structure of oxygen doped carbon nitride for efficient CO2 photocatalytic reduction. <i>Nanotechnology</i> , 2021 ,	3.4	1
7	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
6	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
5	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
4	Positively charged silver improve carbon dioxide electroreduction reaction performance by introducing phosphate. <i>Journal of Colloid and Interface Science</i> , 2021 , 609, 65-74	9.3	0

3	Steering Hole Transfer from the Light Absorber to Oxygen Evolution Sites for Photocatalytic Overall Water Splitting. <i>Advanced Materials Interfaces</i> , 2101158	4.6	○
2	Boosting CO ₂ Capture and Its Photochemical Conversion on Bismuth Surface. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021 , 218, 2000671	1.6	○
1	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	