

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.

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	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
163	Anchoring Copper Single Atoms on Porous Boron Nitride Nanofiber to Boost Selective Reduction of Nitroaromatics.. <i>ACS Nano</i> , 2022 ,	16.7	5
162	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
161	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
160	Ultrathin structure of oxygen doped carbon nitride for efficient CO2 photocatalytic reduction. <i>Nanotechnology</i> , 2021 ,	3.4	1
159	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
158	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
157	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
156	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
155	Minireview on the Commonly Applied Copper-Based Electrocatalysts for Electrochemical CO2 Reduction. <i>Energy & Fuels</i> , 2021 , 35, 8585-8601	4.1	5
154	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
153	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
152	Recent advance in single-atom catalysis. <i>Rare Metals</i> , 2021 , 40, 767-789	5.5	40
151	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
150	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
149	Constructing Ni3C/2D g-C3N4 Photocatalyst and the Internal Catalytic Mechanism Study. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021 , 218, 2100171	1.6	
148	Unique Dual-Sites Boosting Overall CO Photoconversion by Hierarchical Electron Harvesters. <i>Small</i> , 2021 , 17, e2103796	11	17

147	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
146	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
145	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
144	Understanding Photoelectrochemical Water Oxidation with X-ray Absorption Spectroscopy. <i>ACS Energy Letters</i> , 2020 , 5, 975-993	20.1	22
143	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
142	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
141	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
140	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
139	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
138	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
137	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
136	An All-Organic D-A System for Visible-Light-Driven Overall Water Splitting. <i>Small</i> , 2020 , 16, e2003914	11	41
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	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
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	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
130	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

129	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
128	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
127	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
126	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
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	Bimetallic metal-organic framework nanosheets as efficient electrocatalysts for oxygen evolution reaction. <i>Journal of Solid State Chemistry</i> , 2019 , 272, 32-37	3.3	34
123	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
122	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
121	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
120	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
119	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
118	Single-Atom Coated Separator for Robust Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 25147-25154	9.5	95
117	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
116	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
115	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
114	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
113	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
112	Fabrication of magnetic BaFe ₂ 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

111	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
110	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
109	Recent progress in metal-organic frameworks-based hydrogels and aerogels and their applications. <i>Coordination Chemistry Reviews</i> , 2019 , 398, 213016	23.2	263
108	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
107	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
106	Enhancing Oxygen Evolution Reaction through Modulating Electronic Structure of Trimetallic Electrocatalysts Derived from Metal-Organic Frameworks. <i>Small</i> , 2019 , 15, e1901940	11	127
105	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
104	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
103	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
102	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
101	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
100	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
99	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
98	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
97	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
96	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
95	Two-Dimensional Co@N-Carbon Nanocomposites Facilely Derived from Metal-Organic Framework Nanosheets for Efficient Bifunctional Electrocatalysis. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 1485-1491	4.5	33
94	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

93	Hexamethylenetetramine-assisted hydrothermal synthesis of octahedral nickel ferrite oxide nanocrystallines with excellent supercapacitive performance. <i>Journal of Materials Science</i> , 2018 , 53, 7621-7636 ²⁹	4.3	29
92	Electrochemical CO ₂ Reduction with Atomic Iron-Dispersed on Nitrogen-Doped Graphene. <i>Advanced Energy Materials</i> , 2018 , 8, 1703487	21.8	277
91	Novel Ag ₂ S quantum dot modified 3D flower-like SnS ₂ composites for photocatalytic and photoelectrochemical applications. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 63-72	6.8	33
90	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
89	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
88	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
87	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	3.9	29
86	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, 555-566	8.3	68
85	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
84	An -OH group functionalized MOF for ratiometric Fe ³⁺ sensing. <i>Journal of Solid State Chemistry</i> , 2018 , 258, 441-446	3.3	52
83	A multidimensional In ₂ S ₃ /InS ₂ heterostructure for photocatalytic carbon dioxide reduction. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 3163-3169	6.8	45
82	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
81	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
80	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
79	Synthesis of zinc ferrite/silver iodide composite with enhanced photocatalytic antibacterial and pollutant degradation ability. <i>Journal of Colloid and Interface Science</i> , 2018 , 528, 70-81	9.3	36
78	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
77	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
76	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

75	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
74	A Z-scheme magnetic recyclable Ag/AgBr@CoFe ₂ O ₄ photocatalyst with enhanced photocatalytic performance for pollutant and bacterial elimination. <i>RSC Advances</i> , 2017 , 7, 30845-30854	3.7	35
73	Hydrogels: Reversible Formation of g-C ₃ N ₄ 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
72	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
71	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
70	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
69	Two Co-zeolite imidazolate frameworks with different topologies for degradation of organic dyes via peroxymonosulfate activation. <i>Journal of Solid State Chemistry</i> , 2017 , 256, 10-13	3.3	31
68	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
67	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
66	Porous-C ₃ N ₄ 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
65	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
64	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
63	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
62	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
61	g-C ₃ N ₄ /TiO ₂ Nanocomposites for Degradation of Ciprofloxacin under Visible Light Irradiation. <i>ChemistrySelect</i> , 2016 , 1, 5679-5685	1.8	35
60	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
59	Facile synthesis of CNT/AgI with enhanced photocatalytic degradation and antibacterial ability. <i>RSC Advances</i> , 2016 , 6, 6905-6914	3.7	21
58	Novel visible-light-driven Fe ₂ O ₃ /Ag ₃ VO ₄ composite with enhanced photocatalytic activity toward organic pollutants degradation. <i>RSC Advances</i> , 2016 , 6, 3600-3607	3.7	26

57	Modification of Ag ₃ VO ₄ with graphene-like MoS ₂ for enhanced visible-light photocatalytic property and stability. <i>New Journal of Chemistry</i> , 2016 , 40, 2168-2177	3.6	35
56	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, 4645-4645 ²	4.8	135
55	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
54	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
53	Core-shell magnetic Ag/AgCl@Fe ₂ O ₃ photocatalysts with enhanced photoactivity for eliminating bisphenol A and microbial contamination. <i>New Journal of Chemistry</i> , 2016 , 40, 3413-3422	3.6	27
52	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
51	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
50	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
49	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
48	MO degradation by Ag-Ag ₂ O/g-C ₃ N ₄ composites under visible-light irradiation. <i>SpringerPlus</i> , 2016 , 5, 369		22
47	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
46	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
45	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
44	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
43	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
42	Preparation of magnetic Ag/AgCl/CoFe ₂ O ₄ composites with high photocatalytic and antibacterial ability. <i>RSC Advances</i> , 2015 , 5, 41475-41483	3.7	29
41	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
40	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

39	One-pot synthesis of copper-doped graphitic carbon nitride nanosheet by heating Cu ^{II} ethelamine supramolecular network and its enhanced visible-light-driven photocatalysis. <i>Journal of Solid State Chemistry</i> , 2015 , 228, 60-64	3.3	105
38	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
37	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
36	A ketone functionalized luminescent terbium metal-organic framework for sensing of small molecules. <i>Chemical Communications</i> , 2015 , 51, 376-9	5.8	90
35	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
34	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
33	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
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31	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
30	Synthesis and photocatalytic activity of a bentonite/g-C ₃ N ₄ composite. <i>RSC Advances</i> , 2014 , 4, 11831	3.7	59
29	Graphene-analogue boron nitride/Ag ₃ PO ₄ composite for efficient visible-light-driven photocatalysis. <i>RSC Advances</i> , 2014 , 4, 56853-56862	3.7	32
28	Small-molecule axon-polarization studies enabled by a shear-free microfluidic gradient generator. <i>Lab on A Chip</i> , 2014 , 14, 2047-56	7.2	25
27	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
26	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
25	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
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22	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

21	An ortho-methylated fluorescent chemosensor based on pyromethene 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
20	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
19	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
18	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
17	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
16	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
15	Energy transfer mechanisms among various laser dyes co-doped into gel glasses. <i>Dyes and Pigments</i> , 2013 , 96, 242-248	4.6	10
14	A luminescent nanoscale metal-organic framework with controllable morphologies for spore detection. <i>Chemical Communications</i> , 2012 , 48, 7377-9	5.8	133
13	A luminescent mixed-lanthanide metal-organic framework thermometer. <i>Journal of the American Chemical Society</i> , 2012 , 134, 3979-82	16.4	896
12	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
11	A Zn ₄ O-containing doubly interpenetrated porous metal-organic framework for photocatalytic decomposition of methyl orange. <i>Chemical Communications</i> , 2011 , 47, 11715-7	5.8	289
10	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
9	A luminescent nanoscale metal-organic framework for sensing of nitroaromatic explosives. <i>Chemical Communications</i> , 2011 , 47, 3153-5	5.8	401
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