

# Meng Xie

## List of Publications by Year in descending order

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73  
papers

3,509  
citations

117625  
34  
h-index

144013  
57  
g-index

73  
all docs

73  
docs citations

73  
times ranked

4204  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prostate cancer biomarker citrate detection using triaminoguanidinium carbon dots, its applications in live cells and human urine samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 268, 120622.	3.9	5
2	Synergistically coupling of Co/Mo <sub>2</sub> C/Co <sub>6</sub> Mo <sub>6</sub> C <sub>2</sub> @C electrocatalyst for overall water splitting: The role of carbon precursors in structural engineering and catalytic activity. <i>Applied Surface Science</i> , 2022, 579, 152148.	6.1	29
3	Development of a magnetic MoS <sub>2</sub> system camouflaged by lipid for chemo/phototherapy of cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 213, 112389.	5.0	8
4	An erythrocyte membrane-camouflaged biomimetic nanoplatform for enhanced chemo-photothermal therapy of breast cancer. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2047-2056.	5.8	18
5	Hierarchical Co/MoO <sub>2</sub> @N-doped carbon nanosheets derived from waste lotus leaves for electrocatalytic water splitting. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 15673-15686.	7.1	18
6	Câ€“O band structure modified broad spectral response carbon nitride with enhanced electron density in photocatalytic peroxymonosulfate activation for bisphenol pollutants removal. <i>Journal of Hazardous Materials</i> , 2022, 432, 128663.	12.4	16
7	An efficient broad spectrum-driven carbon and oxygen co-doped g-C <sub>3</sub> N <sub>4</sub> for the photodegradation of endocrine disrupting: Mechanism, degradation pathway, DFT calculation and toluene selective oxidation. <i>Journal of Hazardous Materials</i> , 2021, 401, 123309.	12.4	43
8	Sulfur promoted n-ï€* electron transitions in thiophene-doped g-C <sub>3</sub> N <sub>4</sub> for enhanced photocatalytic activity. <i>Chinese Journal of Catalysis</i> , 2021, 42, 450-459.	14.0	87
9	Facile synthesis of N, S co-doped MoO <sub>2</sub> @C nanorods as an outstanding electrocatalyst for hydrogen evolution reaction. <i>Applied Surface Science</i> , 2021, 537, 147971.	6.1	21
10	Cobaltâ€“Iron nanoparticles encapsulated in mesoporous carbon nanosheets: A one-pot synthesis of highly stable electrocatalysts for overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 5234-5249.	7.1	35
11	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.	9.4	26
12	Hierarchical ultrathin defect-rich CoFe <sub>2</sub> O <sub>4</sub> @BC nanoflowers synthesized via a temperature-regulated strategy with outstanding hydrogen evolution reaction activity. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1455-1467.	6.0	14
13	Modification of magnetic molybdenum disulfide by chitosan/carboxymethylcellulose with enhanced dispersibility for targeted photothermal-/chemotherapy of cancer. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1833-1845.	5.8	14
14	Novel 3D graphene ornamented with CoO nanoparticles as an efficient bifunctional electrocatalyst for oxygen and hydrogen evolution reactions. <i>Materials Chemistry and Physics</i> , 2021, 261, 124237.	4.0	14
15	Highly Stable Ultrafine Boron-Doped NiCo@Carbon Nanoparticles as a Robust Electrocatalyst for the Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2021, 8, 1337-1348.	3.4	8
16	Simultaneous synthesis of bimetallic@3D graphene electrocatalyst for HER and OER. <i>Frontiers of Materials Science</i> , 2021, 15, 305-315.	2.2	3
17	Simultaneous fabrication of cobalt-based graphene with rich N dopant for hydrogen evolution reaction in basic medium. <i>International Journal of Energy Research</i> , 2021, 45, 14010-14020.	4.5	7
18	The camouflage of graphene oxide by red blood cell membrane with high dispersibility for cancer chemotherapy. <i>Journal of Colloid and Interface Science</i> , 2021, 591, 290-299.	9.4	13

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19	Ni-Fe-Co based mixed metal/metal-oxides nanoparticles encapsulated in ultrathin carbon nanosheets: A bifunctional electrocatalyst for overall water splitting. <i>Surfaces and Interfaces</i> , 2021, 26, 101361.	3.0	17
20	Probing effective charge migration and highly improved photocatalytic activity on Polyaniline/Zn <sub>3</sub> In <sub>2</sub> S <sub>6</sub> nano-flower under long wavelength light. <i>Separation and Purification Technology</i> , 2021, 274, 119004.	7.9	14
21	Ni nanoparticles oriented on MoO <sub>2</sub> @BC nanosheets with an outstanding long-term stability for hydrogen evolution reaction. <i>Chemical Engineering Science</i> , 2021, 246, 116868.	3.8	8
22	Promoting LED light driven photocatalytic inactivation of bacteria by novel $\text{Bi}^{2+}$ -Bi <sub>2</sub> O <sub>3</sub> @BiOBr core/shell photocatalyst. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152665.	5.5	47
23	In situ construction efficient visible-light-driven three-dimensional Polypyrrole/Zn <sub>3</sub> In <sub>2</sub> S <sub>6</sub> nanoflower to systematically explore the photoreduction of Cr(VI): Performance, factors and mechanism. <i>Journal of Hazardous Materials</i> , 2020, 384, 121480.	12.4	61
24	Surface amorphous carbon doping of carbon nitride for efficient acceleration of electron transfer to boost photocatalytic activities. <i>Applied Surface Science</i> , 2020, 507, 145145.	6.1	19
25	Construction of polythiophene/Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> nanocomposites to promote photocatalytic degradation of bisphenol a. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153773.	5.5	39
26	Layered MoS <sub>2</sub> nanosheets modified by biomimetic phospholipids: Enhanced stability and its synergistic treatment of cancer with chemo-photothermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 187, 110631.	5.0	30
27	Incorporation of pyridinic and graphitic N to Ni@ <sc>CNTs</sc> : As a competent electrocatalyst for hydrogen evolution reaction. <i>International Journal of Energy Research</i> , 2020, 44, 9157-9165.	4.5	18
28	Direct Z-scheme red carbon nitride/rod-like lanthanum vanadate composites with enhanced photodegradation of antibiotic contaminants. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119245.	20.2	90
29	Preparation of magnetically recoverable and Z-scheme BaFe <sub>12</sub> O <sub>19</sub> /AgBr composite for degradation of 2-Mercaptobenzothiazole and Methyl orange under visible light. <i>Applied Surface Science</i> , 2020, 521, 146343.	6.1	19
30	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.	9.4	39
31	WS <sub>2</sub> nanosheets functionalized by biomimetic lipids with enhanced dispersibility for photothermal and chemo combination therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2331-2342.	5.8	31
32	Ni <sub>3</sub> Fe nanoparticles enclosed by B-doped carbon for efficient bifunctional performances of oxygen and hydrogen evolution reactions. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155267.	5.5	46
33	B-doped carbon enclosed Ni nanoparticles: A robust, stable and efficient electrocatalyst for hydrogen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2020, 869, 114085.	3.8	16
34	Novel broad-spectrum-driven oxygen-linked band and porous defect co-modified orange carbon nitride for photodegradation of Bisphenol A and 2-Mercaptobenzothiazole. <i>Journal of Hazardous Materials</i> , 2020, 396, 122659.	12.4	36
35	Tailoring of crystalline structure of carbon nitride for superior photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 324-334.	9.4	20
36	Nickel loaded graphene-like carbon sheets an improved electrocatalyst for hydrogen evolution reaction. <i>Materials Chemistry and Physics</i> , 2019, 227, 105-110.	4.0	22

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37	3D graphene decorated with hexagonal micro-coin of Co(OH) <sub>2</sub> : A competent electrocatalyst for hydrogen and oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 14770-14779.	7.1	28
38	The construction of a Fenton system to achieve in situ H <sub>2</sub> O <sub>2</sub> generation and decomposition for enhanced photocatalytic performance. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1490-1500.	6.0	18
39	Fabrication of magnetic BaFe <sub>12</sub> O <sub>19</sub> /Ag <sub>3</sub> PO <sub>4</sub> composites with an <i>in situ</i> photo-Fenton-like reaction for enhancing reactive oxygen species under visible light irradiation. <i>Catalysis Science and Technology</i> , 2019, 9, 2563-2570.	4.1	30
40	Cobalt phosphide nanoparticles embedded in 3D N-doped porous carbon for efficient hydrogen and oxygen evolution reactions. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 4543-4552.	7.1	52
41	Nickel and cobalt in situ grown in 3-dimensional hierarchical porous graphene for effective methanol electro-oxidation reaction. <i>Journal of Electroanalytical Chemistry</i> , 2019, 838, 7-15.	3.8	40
42	Construction of novel CNT/LaVO <sub>4</sub> nanostructures for efficient antibiotic photodegradation. <i>Chemical Engineering Journal</i> , 2019, 357, 487-497.	12.7	158
43	Chitosan and dextran stabilized GO-iron oxide nanosheets with high dispersibility for chemotherapy and photothermal ablation. <i>Ceramics International</i> , 2019, 45, 5996-6003.	4.8	19
44	Enhanced LED-light-driven photocatalytic antibacterial by g-C <sub>3</sub> N <sub>4</sub> /BiOI composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 2783-2794.	2.2	28
45	Layer-by-layer modification of magnetic graphene oxide by chitosan and sodium alginate with enhanced dispersibility for targeted drug delivery and photothermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 176, 462-470.	5.0	79
46	Novel broad spectrum light responsive PPy/hexagonal-SnS <sub>2</sub> photocatalyst for efficient photoreduction of Cr(VI). <i>Materials Research Bulletin</i> , 2019, 112, 226-235.	5.2	35
47	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.	9.4	53
48	Three dimensional polyaniline/MgIn <sub>2</sub> S <sub>4</sub> nanoflower photocatalysts accelerated interfacial charge transfer for the photoreduction of Cr(VI), photodegradation of organic pollution and photocatalytic H <sub>2</sub> production. <i>Chemical Engineering Journal</i> , 2019, 360, 1601-1612.	12.7	142
49	Surface modification of graphene oxide nanosheets by protamine sulfate/sodium alginate for anti-cancer drug delivery application. <i>Applied Surface Science</i> , 2018, 440, 853-860.	6.1	101
50	Different Morphologies of SnS <sub>2</sub> Supported on 2D g-C <sub>3</sub> N <sub>4</sub> for Excellent and Stable Visible Light Photocatalytic Hydrogen Generation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5132-5141.	6.7	125
51	Novel Ag <sub>2</sub> S quantum dot modified 3D flower-like SnS <sub>2</sub> composites for photocatalytic and photoelectrochemical applications. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 63-72.	6.0	43
52	Visible-light-driven Ag/AgBr/ZnFe <sub>2</sub> O <sub>4</sub> 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.	9.4	84
53	Construction of solid-liquid interfacial Fenton-like reaction under visible light irradiation over etched CoxFe <sub>y</sub> O <sub>4</sub> @BiOBr photocatalysts. <i>Catalysis Science and Technology</i> , 2018, 8, 551-561.	4.1	22
54	Constructing magnetic catalysts with in-situ solid-liquid interfacial photo-Fenton-like reaction over Ag <sub>3</sub> PO <sub>4</sub> @NiFe <sub>2</sub> O <sub>4</sub> composites. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 40-50.	20.2	175

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55	Graphene oxide-modified LaVO <sub>4</sub> nanocomposites with enhanced photocatalytic degradation efficiency of antibiotics. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2818-2828.	6.0	31
56	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.	9.4	58
57	Multifunctional C-Doped CoFe <sub>2</sub> O <sub>4</sub> Material as Cocatalyst to Promote Reactive Oxygen Species Generation over Magnetic Recyclable CoFe/AgX Photocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11968-11978.	6.7	42
58	A Z-scheme magnetic recyclable Ag/AgBr@CoFe <sub>2</sub> O <sub>4</sub> photocatalyst with enhanced photocatalytic performance for pollutant and bacterial elimination. <i>RSC Advances</i> , 2017, 7, 30845-30854.	3.6	40
59	Ag <sub>2</sub> S quantum dots in situ coupled to hexagonal SnS <sub>2</sub> with enhanced photocatalytic activity for MO and Cr(VI) removal. <i>RSC Advances</i> , 2017, 7, 46823-46831.	3.6	35
60	Chitosan/sodium alginate modified graphene oxide-based nanocomposite as a carrier for drug delivery. <i>Ceramics International</i> , 2016, 42, 17798-17805.	4.8	62
61	Novel magnetic CoFe <sub>2</sub> O <sub>4</sub> /Ag <sub>3</sub> VO <sub>4</sub> composites: Highly efficient visible light photocatalytic and antibacterial activity. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 11-22.	20.2	211
62	Non-covalent modification of graphene oxide nanocomposites with chitosan/dextran and its application in drug delivery. <i>RSC Advances</i> , 2016, 6, 9328-9337.	3.6	69
63	Core-shell magnetic Ag/AgCl@Fe <sub>2</sub> O <sub>3</sub> photocatalysts with enhanced photoactivity for eliminating bisphenol A and microbial contamination. <i>New Journal of Chemistry</i> , 2016, 40, 3413-3422.	2.8	32
64	Angstrom-sized tungsten carbide promoted platinum electrocatalyst for effective oxygen reduction reaction and resource saving. <i>RSC Advances</i> , 2015, 5, 96488-96494.	3.6	6
65	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.	2.8	15
66	High yield synthesis of nano-size g-C <sub>3</sub> N <sub>4</sub> derivatives by a dissolve-regrowth method with enhanced photocatalytic ability. <i>RSC Advances</i> , 2015, 5, 26281-26290.	3.6	51
67	Synthesis of magnetic CoFe <sub>2</sub> O <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> composite and its enhancement of photocatalytic ability under visible-light. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 478, 71-80.	4.7	253
68	Preparation of magnetic Ag/AgCl/CoFe <sub>2</sub> O <sub>4</sub> composites with high photocatalytic and antibacterial ability. <i>RSC Advances</i> , 2015, 5, 41475-41483.	3.6	32
69	Core-shell structured Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> -doxorubicin nanoparticles for targeted chemo-sonodynamic therapy of cancer. <i>International Journal of Pharmaceutics</i> , 2015, 486, 380-388.	5.2	137
70	Magnetically separable Fe <sub>2</sub> O <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> catalyst with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 95727-95735.	3.6	57
71	A core-shell structured magnetic Ag/AgBr@Fe <sub>2</sub> O <sub>3</sub> composite with enhanced photocatalytic activity for organic pollutant degradation and antibacterium. <i>RSC Advances</i> , 2015, 5, 71035-71045.	3.6	41
72	Negative-charge-functionalized mesoporous silica nanoparticles as drug vehicles targeting hepatocellular carcinoma. <i>International Journal of Pharmaceutics</i> , 2014, 474, 223-31.	5.2	46

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73	A multifunctional mesoporous silica nanocomposite for targeted delivery, controlled release of doxorubicin and bioimaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 138-147.	5.0	108