Pengwei Huo

List of Publications by Citations

147 papers	4,783 citations	39 h-index	62 g-index
153 ext. papers	6,352 ext. citations	7.4 avg, IF	6.19 L-index

#	Paper	IF	Citations
147	Facile microwave synthesis of a Z-scheme imprinted ZnFe2O4/Ag/PEDOT with the specific recognition ability towards improving photocatalytic activity and selectivity for tetracycline. *Chemical Engineering Journal*, **2018**, 337, 228-241	14.7	187
146	Microwave-assisted in situ synthesis of reduced graphene oxide-BiVO4 composite photocatalysts and their enhanced photocatalytic performance for the degradation of ciprofloxacin. *Journal of Hazardous Materials*, **2013**, 250-251, 106-14	12.8	169
145	Fabrication of magnetically recoverable photocatalysts using g-C3N4 for effective separation of charge carriers through like-Z-scheme mechanism with Fe3O4 mediator. *Chemical Engineering Journal*, **2018**, 331, 615-625	14.7	141
144	Synthesis and Characterization of Novel BiVO4/Ag3VO4 Heterojunction with Enhanced Visible-Light-Driven Photocatalytic Degradation of Dyes. *ACS Sustainable Chemistry and Engineering* , **2016**, 4, 757-766	8.3	137
143	Improved recyclability and selectivity of environment-friendly MFA-based heterojunction imprinted photocatalyst for secondary pollution free tetracycline orientation degradation. *Chemical Engineering Journal*, **2019**, 360, 1262-1276	14.7	120
142	Magnetic functional heterojunction reactors with 3D specific recognition for selective photocatalysis and synergistic photodegradation in binary antibiotic solutions. *Journal of Materials Chemistry A*, **2019**, 7, 13986-14000	13	110
141	Fast electron transfer and enhanced visible light photocatalytic activity using multi-dimensional components of carbon quantum dots@3D daisy-like In2S3/single-wall carbon nanotubes. *Applied Catalysis B: Environmental*, **2017**, 204, 224-238	21.8	107
140	Enhanced visible light photocatalytic activity of alkaline earth metal ions-doped CdSe/rGO photocatalysts synthesized by hydrothermal method. *Applied Catalysis B: Environmental*, **2015**, 172-173, 174-184	21.8	105
139	Well-dispersed nebula-like ZnO/CeO2@HNTs heterostructure for efficient photocatalytic degradation of tetracycline. *Chemical Engineering Journal*, **2016**, 304, 917-933	14.7	99
138	Intercalation Effect of Attapulgite in g-C3N4 Modified with Fe3O4 Quantum Dots To Enhance Photocatalytic Activity for Removing 2-Mercaptobenzothiazole under Visible Light. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 10614-10623	8.3	90
137	Bioinspired Synthesis of Photocatalytic Nanocomposite Membranes Based on Synergy of Au-TiO and Polydopamine for Degradation of Tetracycline under Visible Light. *ACS Applied Materials & Interfaces*, **2017**, 9, 23687-23697	9.5	90
136	Fabrication of conductive and high-dispersed Ppy@Ag/g-C3N4 composite photocatalysts for removing various pollutants in water. *Applied Surface Science*, **2016**, 387, 366-374	6.7	89
135	Insight into the effect of co-doped to the photocatalytic performance and electronic structure of g-C3N4 by first principle. *Applied Catalysis B: Environmental*, **2019**, 241, 319-328	21.8	82
134	Selective reduction of Cu2+ with simultaneous degradation of tetracycline by the dual channels ion imprinted POPD-CoFe2O4 heterojunction photocatalyst. *Chemical Engineering Journal*, **2019**, 360, 750-761	14.7	82
133	Incorporation of N□nO/CdS/Graphene oxide composite photocatalyst for enhanced photocatalytic activity under visible light. *Journal of Alloys and Compounds*, **2016**, 670, 198-209	5.7	80
132	Microwave-assisted synthesis of selective degradation photocatalyst by surface molecular imprinting method for the degradation of tetracycline onto ClTiO2. *Chemical Engineering Journal*, **2013**, 217, 398-406	14.7	75
131	Development of magnetic imprinted PEDOT/CdS heterojunction photocatalytic nanoreactors: 3-Dimensional specific recognition for selectively photocatalyzing danofloxacin mesylate. *Applied Catalysis B: Environmental*, **2020**, 268, 118433	21.8	75

130	Improved charge transfer by size-dependent plasmonic Au on C3N4 for efficient photocatalytic oxidation of RhB and CO2 reduction. *Chinese Journal of Catalysis*, **2019**, 40, 928-939	11.3	74
129	Fabricating C and O co-doped carbon nitride with intramolecular donor-acceptor systems for efficient photoreduction of CO2 to CO. *Applied Catalysis B: Environmental*, **2020**, 268, 118736	21.8	73
128	Construction of 3D porous g-C3N4/AgBr/rGO composite for excellent visible light photocatalytic activity. *Applied Surface Science*, **2018**, 458, 586-596	6.7	73
127	Enhanced photocatalytic activity of g-C3N4-ZnO/HNT composite heterostructure photocatalysts for degradation of tetracycline under visible light irradiation. *RSC Advances*, **2015**, 5, 91177-91189	3.7	70
126	Transfer Charge and Energy of Ag@CdSe QDs-rGO Core-Shell Plasmonic Photocatalyst for Enhanced Visible Light Photocatalytic Activity. *ACS Applied Materials & Interfaces*, **2015**, 7, 28231-43	9.5	70
125	Performance of molecularly imprinted photocatalysts based on fly-ash cenospheres for selective photodegradation of single and ternary antibiotics solution. *Journal of Molecular Catalysis A*, **2013**, 378, 91-98		65
124	Direct Z-Scheme WO3/Graphitic Carbon Nitride Nanocomposites for the Photoreduction of CO2. *ACS Applied Nano Materials*, **2020**, 3, 1298-1306	5.6	63
123	Local surface plasma resonance effect enhanced Z-scheme ZnO/Au/g-C3N4 film photocatalyst for reduction of CO2 to CO. *Applied Catalysis B: Environmental*, **2021**, 283, 119638	21.8	63
122	CeO2/3D g-C3N4 heterojunction deposited with Pt cocatalyst for enhanced photocatalytic CO2 reduction. *Applied Surface Science*, **2021**, 537, 147891	6.7	62
121	Molecularly imprinted Ag/AgVO/g-CN Z-scheme photocatalysts for enhanced preferential removal of tetracycline. *Journal of Colloid and Interface Science*, **2019**, 552, 271-286	9.3	60
120	Enhanced photocatalytic degradation of tetracycline antibiotics by reduced graphene oxide-CdS/ZnS heterostructure photocatalysts. *New Journal of Chemistry*, **2015**, 39, 5150-5160	3.6	60
119	Synthesis Ce-doped biomass carbon-based g-C3N4 via plant growing guide and temperature-programmed technique for degrading 2-Mercaptobenzothiazole. *Applied Catalysis B: Environmental*, **2020**, 268, 118432	21.8	57
118	Fabricated Ag/Ag2S/reduced graphene oxide composite photocatalysts for enhancing visible light photocatalytic and antibacterial activity. *Journal of Industrial and Engineering Chemistry*, **2018**, 57, 125-133	6.3	55
117	Preparation of Ag2O/Ag2CO3/MWNTs composite photocatalysts for enhancement of ciprofloxacin degradation. *Applied Surface Science*, **2016**, 366, 1-8	6.7	54
116	Fabricated rGO-modified AgS nanoparticles/g-CN nanosheets photocatalyst for enhancing photocatalytic activity. *Journal of Colloid and Interface Science*, **2019**, 554, 468-478	9.3	53
115	MOF-derived Co3O4-C/Ni2P2O7 electrode material for high performance supercapacitors. *Chemical Engineering Journal*, **2019**, 378, 122242	14.7	53
114	Selective degradation of ciprofloxacin with modified NaCl/TiO2 photocatalyst by surface molecular imprinted technology. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 441, 420-426	5.1	53
113	Switched recognition and release ability of temperature responsive molecularly imprinted polymers based on magnetic halloysite nanotubes. *Journal of Materials Chemistry*, **2012**, 22, 17167		51

112	Visible light driven Ag/Ag3PO4/AC photocatalyst with highly enhanced photodegradation of tetracycline antibiotics. *Applied Surface Science*, **2015**, 353, 391-399	6.7	50
111	A review on heterogeneous photocatalysis for environmental remediation: From semiconductors to modification strategies. *Chinese Journal of Catalysis*, **2022**, 43, 178-214	11.3	45
110	CQDS preluded carbon-incorporated 3D burger-like hybrid ZnO enhanced visible-light-driven photocatalytic activity and mechanism implication. *Journal of Catalysis*, **2019**, 369, 450-461	7.3	45
109	Improved photoelectric performance via fabricated heterojunction g-C3N4/TiO2/HNTs loaded photocatalysts for photodegradation of ciprofloxacin. *Journal of Industrial and Engineering Chemistry*, **2018**, 64, 206-218	6.3	40
108	Hydrothermal Synthesis of CdSe Quantum Dots and Their Photocatalytic Activity on Degradation of Cefalexin. *Industrial & Engineering Chemistry Research*, **2013**, 52, 15015-15023	3.9	39
107	Construction of a multi-interfacial-electron transfer scheme for efficient CO2 photoreduction: a case study using CdIn2S4 micro-flower spheres modified with Au nanoparticles and reduced graphene oxide. *Journal of Materials Chemistry A*, **2020**, 8, 18707-18714	13	39
106	Preparation and performance of a novel magnetic conductive imprinted photocatalyst for selective photodegradation of antibiotic solution. *RSC Advances*, **2013**, 3, 18373	3.7	38
105	Microwave-hydrothermal synthesis of a novel, recyclable and stable photocatalytic nanoreactor for recognition and degradation of tetracycline. *Catalysis Science and Technology*, **2017**, 7, 4092-4104	5.5	37
104	Construction of stable core□shell imprinted Ag-(poly-o-phenylenediamine)/CoFe2O4 photocatalyst endowed with the specific recognition capability for selective photodegradation of ciprofloxacin. *RSC Advances*, **2017**, 7, 48894-48903	3.7	36
103	Visible-light driven photocatalyst of CdTe/CdS homologous heterojunction on N-rGO photocatalyst for efficient degradation of 2,4-dichlorophenol. *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 93, 603-615	5.3	36
102	Fast electron transfer and enhanced visible light photocatalytic activity by using poly-o-phenylenediamine modified AgCl/g-C3N4 nanosheets. *Chinese Journal of Catalysis*, **2019**, 40, 80-94	11.3	35
101	Chemical precipitation synthesis of porous Ni2P2O7 nanowires for supercapacitor. *Journal of Alloys and Compounds*, **2019**, 790, 36-41	5.7	34
100	High photocatalytic degradation of tetracycline under visible light with Ag/AgCl/activated carbon composite plasmonic photocatalyst. *Journal of Industrial and Engineering Chemistry*, **2016**, 35, 83-92	6.3	34
99	Carbon quantum dots modified CdSe loaded reduced graphene oxide for enhancing photocatalytic activity. *Journal of Industrial and Engineering Chemistry*, **2017**, 50, 147-154	6.3	33
98	Microwave-assisted synthesis of monoclinic□tetragonal BiVO4 heterojunctions with enhanced visible-light-driven photocatalytic degradation of tetracycline. *RSC Advances*, **2015**, 5, 90255-90264	3.7	33
97	Graphene Acting as Surface Phase Junction in Anatase□Graphene□Rutile Heterojunction Photocatalysts for H2 Production from Water Splitting. *Journal of Physical Chemistry C*, **2014**, 118, 23519-23526	3.8	33
96	Molecularly imprinted polymers based on magnetic fly-ash-cenosphere composites for bisphenol A recognition. *Journal of Materials Chemistry*, **2011**, 21, 15741		33
95	Preparation of highly porous carbon from sustainable □ellulose for superior removal performance of tetracycline and sulfamethazine from water. *RSC Advances*, **2016**, 6, 28023-28033	3.7	32

94	Fabricated g-C3N4/Ag/m-CeO2 composite photocatalyst for enhanced photoconversion of CO2. *Applied Surface Science*, **2020**, 506, 144931	6.7	32
93	Confinement of ultrasmall CoFeO nanoparticles in hierarchical ZnInS microspheres with enhanced interfacial charge separation for photocatalytic H evolution. *Journal of Colloid and Interface Science*, **2021**, 581, 764-773	9.3	32
92	Fabricated 2D/2D CdIn2S4/N-rGO muti-heterostructure photocatalyst for enhanced photocatalytic activity. *Carbon*, **2019**, 152, 565-574	10.4	31
91	Construction of Heterogenous S-C-S MoS/SnS/r-GO Heterojunction for Efficient CO Photoreduction. *Inorganic Chemistry*, **2019**, 58, 15590-15601	5.1	31
90	Synergistic interaction of Z-scheme 2D/3D g-CN/BiOI heterojunction and porous PVDF membrane for greatly improving the photodegradation efficiency of tetracycline. *Journal of Colloid and Interface Science*, **2021**, 586, 335-348	9.3	31
89	Construction of ion imprinted layer modified ZnFe2O4 for selective Cr(VI) reduction with simultaneous organic pollutants degradation based on different reaction channels. *Applied Surface Science*, **2019**, 483, 453-462	6.7	29
88	Heteropolyacid–chitosan/TiO2 composites for the degradation of tetracycline hydrochloride solution. *Reaction Kinetics, Mechanisms and Catalysis*, **2014**, 111, 347-360	1.6	29
87	Preparation and photodegradation properties of transition metal ion–poly-o-phenylenediamine/TiO2/fly-ash cenospheres by ion imprinting technology. *RSC Advances*, **2013**, 3, 14807	3.7	29
86	Studying of Co-doped g-C3N4 and modified with Fe3O4 quantum dots on removing tetracycline. *Journal of Alloys and Compounds*, **2019**, 775, 248-258	5.7	29
85	TiO2 modified g-C3N4 with enhanced photocatalytic CO2 reduction performance. *Solid State Sciences*, **2020**, 100, 106099	3.4	28
84	Constructing novel visible-light-driven ternary photocatalyst of AgBr nanoparticles decorated 2D/2D heterojunction of g-C3N4/BiOBr nanosheets with remarkably enhanced photocatalytic activity for water-treatment. *Ceramics International*, **2019**, 45, 19197-19205	5.1	27
83	Enhanced light utilization efficiency and fast charge transfer for excellent CO photoreduction activity by constructing defect structures in carbon nitride. *Journal of Colloid and Interface Science*, **2020**, 578, 574-583	9.3	27
82	Synthesis of thermal-responsive photocatalysts by surface molecular imprinting for selective degradation of tetracycline. *RSC Advances*, **2013**, 3, 26334	3.7	27
81	Enhanced visible-light-driven photocatalytic degradation of tetracycline by Cr3+ doping SrTiO3 cubic nanoparticles. *RSC Advances*, **2015**, 5, 21290-21296	3.7	26
80	Enhanced electron–hole separation in SnS2/Au/g-C3N4 embedded structure for efficient CO2 photoreduction. *Chemical Engineering Journal*, **2021**, 406, 126776	14.7	26
79	La2O3 media enhanced electrons transfer for improved CeVO4@halloysite nanotubes photocatalytic activity for removing tetracycline. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 96, 281-298	5.3	25
78	Heterojunction photocatalyst fabricated by deposition Co3O4 nanoparticles on MoS2 nanosheets with enhancing photocatalytic performance and mechanism insight. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 97, 158-169	5.3	24
77	Enhanced photocatalytic reduction of CO2 by fabricating In2O3/CeO2/HATP hybrid multi-junction photocatalyst. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 99, 93-103	5.3	24

76	Fabrication of Ag/In2O3/TiO2/HNTs hybrid-structured and plasma effect photocatalysts for enhanced charges transfer and photocatalytic activity. *Journal of Industrial and Engineering Chemistry*, **2018**, 67, 164-174	6.3	24
75	Honeycomb tubular biochar from fargesia leaves as an effective adsorbent for tetracyclines pollutants. *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 91, 299-308	5.3	24
74	Photocatalytic degradation of 2-Mercaptobenzothiazole by a novel Bi2WO6 nanocubes/In(OH)3 photocatalyst: Synthesis process, degradation pathways, and an enhanced photocatalytic performance mechanism study. *Applied Surface Science*, **2019**, 481, 1313-1326	6.7	22
73	In-suit preparation of CdSe quantum dots/porous channel biochar for improving photocatalytic activity for degradation of tetracycline. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 99, 180-192	5.3	21
72	Preparation of 3D porous g-C3N4@V2O5 composite electrode via simple calcination and chemical precipitation for supercapacitors. *Journal of Alloys and Compounds*, **2020**, 817, 152707	5.7	19
71	Construction of vesicle CdSe nano-semiconductors photocatalysts with improved photocatalytic activity: Enhanced photo induced carriers separation efficiency and mechanism insight. *Journal of Environmental Sciences*, **2017**, 60, 98-107	6.4	18
70	Carbon dots modifying sphere-flower CdIn2S4 on N-rGO sheet muti-dimensional photocatalyst for efficient visible degradation of 2,4-dichlorophenol. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 99, 142-153	5.3	18
69	Enhanced selective photocatalytic properties of a novel magnetic retrievable imprinted ZnFe2O4/PPy composite with specific recognition ability. *RSC Advances*, **2016**, 6, 51877-51887	3.7	18
68	Effect of metal ion (Zn2+, Bi3+, Cr3+, and Ni2+)-doped CdS/halloysite nanotubes (HNTs) photocatalyst for the degradation of tetracycline under visible light. *Desalination and Water Treatment*, **2015**, 53, 794-805		17
67	Fabrication of highly stable CdS/g-C3N4 composite for enhanced photocatalytic degradation of RhB and reduction of CO2. *Journal of Materials Science*, **2020**, 55, 3299-3313	4.3	17
66	Making of a metal-free graphitic carbon nitride composites based on biomass carbon for efficiency enhanced tetracycline degradation activity. *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 89, 151-161	5.3	17
65	Photocatalytic removal using g-CN quantum dots/BiTiO composites. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 213, 19-27	4.4	16
64	Weakly Supervised Actor-Action Segmentation via Robust Multi-task Ranking **2017**,		16
63	A 2D mesoporous photocatalyst constructed by the modification of biochar on BiOCl ultrathin nanosheets for enhancing the TC-HCl degradation activity. *New Journal of Chemistry*, **2020**, 44, 79-86	3.6	16
62	Cu media constructed Z-scheme heterojunction of UiO-66-NH2/Cu2O/Cu for enhanced photocatalytic induction of CO2. *Applied Surface Science*, **2021**, 545, 148967	6.7	16
61	Photocatalytic degradation of antibiotics in water using metal ion@TiO2/HNTs under visible light. *Desalination and Water Treatment*, **2014**, 52, 6985-6995		14
60	Synthesized Z-scheme photocatalyst ZnO/g-C3N4 for enhanced photocatalytic reduction of CO2. *New Journal of Chemistry*, **2020**, 44, 16390-16399	3.6	14
59	Nitrogen defect engineering and □conjugation structure decorated g-C3N4 with highly enhanced visible-light photocatalytic hydrogen evolution and mechanism insight. *Chemical Engineering Journal*, **2021**, 425, 131844	14.7	14

58	Constructed Z-Scheme g-CN/AgVO/rGO Photocatalysts with Multi-interfacial Electron-Transfer Paths for High Photoreduction of CO. *Inorganic Chemistry*, **2021**, 60, 1755-1766	5.1	14
57	Fabrication of magnetic g-C3N4 for effectively enhanced tetracycline degradation with RGO as mediator. *New Journal of Chemistry*, **2018**, 42, 15974-15984	3.6	13
56	Fabricated temperature sensitive photocatalyst of PNIPAM@ZnO/C for controllable photocatalytic activity. *Chinese Chemical Letters*, **2017**, 28, 2259-2262	8.1	12
55	Multichannel Electron Transmission and Fluorescence Resonance Energy Transfer in InS/Au/rGO Composite for CO Photoreduction. *ACS Applied Materials & Interfaces*, **2021**, 13, 11755-11764	9.5	12
54	Synergy between Cu doping and catalytic platform in 2D Ni-MOFs/Cu-Zn0.5Cd0.5S for efficient water-to-hydrogen conversion. *Chemical Engineering Journal*, **2021**, 410, 128316	14.7	12
53	Sulfur-doped g-C3N4 for efficient photocatalytic CO2 reduction: insights by experiment and first-principles calculations. *Catalysis Science and Technology*, **2021**, 11, 1725-1736	5.5	12
52	Preparation of macroscopic spherical porous carbons@carboxymethylcellulose sodium gel beads and application for removal of tetracycline. *RSC Advances*, **2016**, 6, 84536-84546	3.7	11
51	Fabrication of CoFe2O4-modified and HNTs-supported g-C3N4 heterojunction photocatalysts for enhancing MBT degradation activity under visible light. *Journal of Materials Science*, **2020**, 55, 4358-4371	4.3	11
50	A heterojunction photocatalyst constructed by the modification of 2D-CeO2 on 2D-MoS2 nanosheets with enhanced degrading activity. *Catalysis Science and Technology*, **2020**, 10, 788-800	5.5	11
49	Interface engineering of CoS/CdInS ohmic junction for efficient photocatalytic H evolution under visible light. *Journal of Colloid and Interface Science*, **2021**, 600, 794-803	9.3	11
48	The Role of Fluorine in F-La/TiO Photocatalysts on Photocatalytic Decomposition of Methanol-Water Solution. *Materials*, **2019**, 12,	3.5	10
47	Thermo-responsive functionalized PNIPAM@Ag/Ag3PO4/CN-heterostructure photocatalyst with switchable photocatalytic activity. *Chinese Journal of Catalysis*, **2020**, 41, 1573-1588	11.3	10
46	Biomass derived the V-doped carbon/BiO composite for efficient photocatalysts. *Environmental Research*, **2020**, 182, 108998	7.9	10
45	A Z-scheme TiO2 quantum dots fragment-Bi12TiO20 composites for enhancing photocatalytic activity. *Renewable Energy*, **2020**, 147, 856-863	8.1	10
44	Boosting charge carriers separation and migration efficiency via fabricating all organic van der Waals heterojunction for efficient photoreduction of CO2. *Chemical Engineering Journal*, **2021**, 408, 127292	14.7	10
43	rGO modified R-CeO2/g-C3N4 multi-interface contact S-scheme photocatalyst for efficient CO2 photoreduction. *Applied Surface Science*, **2021**, 563, 150042	6.7	10
42	Boosting H Production over C -Mediated NH -MIL-125(Ti)/Zn Cd S S-Scheme Heterojunction via Enhanced Interfacial Carrier Separation. *Small*, **2021**, 17, e2102539	11	9
41	Ce doping TiO2/halloysite nanotubes photocatalyst for enhanced electrons transfer and photocatalytic degradation of Tetracycline. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 19126-19136	2.1	8

40	Enhanced selectivity for photodegrading ciprofloxacin by a magnetic photocatalyst modified with a POPD□CdS heterojunction embedded imprinted layer. *New Journal of Chemistry*, **2019**, 43, 2610-2623	3.6	8
39	A novel CdS photocatalyst based on magnetic fly ash cenospheres as the carrier: performance and mechanism. *RSC Advances*, **2014**, 4, 60148-60157	3.7	7
38	Fabricating intramolecular donor-acceptor system via covalent bonding of carbazole to carbon nitride for excellent photocatalytic performance towards CO conversion. *Journal of Colloid and Interface Science*, **2021**, 594, 550-560	9.3	7
37	Green synthesis of highly luminescent ZnS:Mn2+ quantum dots. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 6175-6178	2.1	6
36	ENHANCED VISIBLE-LIGHT-DRIVEN PHOTOCATALYTIC DEGRADATION PERFORMANCE OF CIP ON BiVO4□Bi2WO6 NANO-HETEROJUNCTION PHOTOCATALYSTS. *Nano*, **2014**, 09, 1450015	1.1	6
35	G-C3N4 quantum dots and Au nano particles co-modified CeO2/Fe3O4 micro-flowers photocatalyst for enhanced CO2 photoreduction. *Renewable Energy*, **2021**, 179, 756-765	8.1	6
34	Fabricated Ag dots/flower-like MoS2/rGO multidimensional photocatalyst for enhanced photocatalytic activity. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 104, 177-186	5.3	5
33	Preparation of polypyrrole□TiO2 and its adsorption and photocatalytic degradation of salicylic acid. *Desalination and Water Treatment*, **2015**, 54, 3291-3299		5
32	Neodymium doped zinc oxide for ultersensitive SERS substrate. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 20537-20543	2.1	4
31	Performance of removal of salicylic acid residues from aqueous solution based on the magnetic TiO2 nanocomposites. *Desalination and Water Treatment*, **2014**, 52, 6598-6610		4
30	Tailored Linker Defects in UiO-67 with High Ligand-to-Metal Charge Transfer toward Efficient Photoreduction of CO.. *Inorganic Chemistry*, **2022**, 61, 1765-1777	5.1	4
29	Insight into the Effect of the Cl 3p Orbital on g-C3N4 Mimicking Photosynthesis under CO2 Reduction. *Journal of Physical Chemistry C*, **2021**, 125, 9646-9656	3.8	4
28	Two Hybrid Au-ZnO Heterostructures with Different Hierarchical Structures: Towards Highly Efficient Photocatalysts. *Scientific Reports*, **2019**, 9, 16863	4.9	4
27	In situ construction of BiVO4(-)cellulose fibers@CDs(-)polyvinyl alcohol composites for tetracycline photocatalytic degradation. *Science China Technological Sciences*, **2021**, 64, 548-558	3.5	4
26	Construction of a CsPbBr3 modified porous g-C3N4 photocatalyst for effective reduction of CO2 and mechanism exploration. *New Journal of Chemistry*, **2021**, 45, 1082-1091	3.6	4
25	Construction of hierarchical layered hydroxide grown on carbon tubes derived from a metal-organic framework for asymmetric supercapacitors. *Dalton Transactions*, **2021**, 50, 7337-7347	4.3	4
24	Hydrothermal synthesis of the cauliflower-like CdS microspheres to enhance solar photocatalytic degradation of Oxytetracycline hydrochloride. *Desalination and Water Treatment*, **2015**, 55, 2144-2154		3
23	Metal ion doped CdSe quantum dots prepared by hydrothermal synthesis: enhanced photocatalytic activity and stability under visible light. *Desalination and Water Treatment*, **2014**, 1-10		3

22	Fabricated hierarchical CdS/Ni-MOF heterostructure for promoting photocatalytic reduction of CO2. *Applied Surface Science*, **2021**, 151792	6.7	3
21	Leaf-Vein structure like g-C3N4/P-MWNTs donor-accepter hybrid catalyst for efficient CO2 photoreduction. *Carbon*, **2022**, 188, 59-69	10.4	3
20	Thickness regulation of graphitic carbon nitride and its influence on the photocatalytic performance towards CO2 reduction. *Applied Surface Science*, **2021**, 151810	6.7	3
19	Designed Redox Ions Pairs imprinted photocatalyst of Fe3+@PoPD/TiO2/HNTs for enhanced photocatalytic activity. *Materials Technology*, **2020**, 35, 843-852	2.1	3
18	Fabricating acid-sensitive controlled PAA@Ag/AgCl/CN photocatalyst with reversible photocatalytic activity transformation. *Journal of Colloid and Interface Science*, **2020**, 580, 753-767	9.3	3
17	Construction of high-performance electrode materials of NiCoO nanoparticles encapsulated in ultrathin N-doped carbon nanosheets for supercapacitors. *Dalton Transactions*, **2021**, 50, 1097-1105	4.3	3
16	Freestanding flexible molecularly imprinted nanocomposite membranes for selective separation applications: an imitated core□shell PEI@SiO2-based MIM design. *New Journal of Chemistry*, **2020**, 44, 19091-19102	3.6	2
15	Constructing Schottky junctions via Pd nanosheets on DUT-67 surfaces to accelerate charge transfer. *Journal of Colloid and Interface Science*, **2021**, 608, 3022-3022	9.3	2
14	Ag/BiOI/C enhanced photocatalytic activity under visible light irradiation. *Journal of Dispersion Science and Technology*, **2021**, 42, 1116-1124	1.5	2
13	Boosting charge carrier separation efficiency by constructing an intramolecular DA system towards efficient photoreduction of CO2. *New Journal of Chemistry*, **2021**, 45, 6042-6052	3.6	2
12	Design of a ZnS/CdS/rGO composite nanosheet photocatalyst with multi-interface electron transfer for high conversion of CO2. *Sustainable Energy and Fuels*, **2021**, 5, 4606-4617	5.8	2
11	Interior and Surface Synergistic Modifications Modulate the SnNbO/Ni-Doped ZnInS S-Scheme Heterojunction for Efficient Photocatalytic H Evolution.. *Inorganic Chemistry*, **2022**,	5.1	2
10	Enhancement of photocatalytic activity on salicylic acid by nonmetal-doped TiO2 with solvothermal method. *Desalination and Water Treatment*, **2015**, 54, 2504-2515		1
9	A novel resource utilization type 3-dimensional flower spheroidal Fe3O4@C@(BiO)2CO3: High-efficiency degradation of tetracycline under visible light. *Inorganic Chemistry Communication*, **2020**, 111, 107630	3.1	1
8	g-C3N4 quantum dots-modified mesoporous CeO2 composite photocatalyst for enhanced CO2 photoreduction. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 20495-20512	2.1	1
7	Construction of Carbon Nitride Based Intramolecular D□A System for Effective Photocatalytic Reduction of CO2. *Catalysis Letters*,1	2.8	1
6	Enhanced Selectivity for Oriented Catalyzing Tetracycline by the Functional Inorganic Imprinted ZnFe2O4@Ag3PO4/SiO2 Photocatalyst with Excellent Stability. *Nano*, **2019**, 14, 1950004	1.1	1
5	Azobenzene-modified Ag/Ag2O/CN photocatalysts with photoresponsive performance for controllable photodegradation of tetracyclines. *New Journal of Chemistry*, **2021**, 45, 9677-9690	3.6	1

4	Fabricated Ga (III) heterovalent substituted NiCo layered double hydroxides (NiCoGa-LDHs) electrode material for designed hybrid supercapacitor. *Journal of Alloys and Compounds*, **2021**, 871, 159487	5.7	1
3	NiS Cocatalyst Modified ZnIn 2 S 4 as Ohmic-Junction Photocatalyst for Efficient Conversion of CO 2. *Energy Technology*,2101158	3.5	1
2	HYDROTHERMAL SYNTHESIS AND ENHANCED VISIBLE-LIGHT PHOTOCATALYTIC ACTIVITY OF CdS QUANTUM DOTS SENSITIZED CARBON NANOTUBES (CNTs) NANOCOMPOSITE. *Nano*, **2014**, 09, 1450017	1.1	0
1	Direct Detection of Potential Pyrethroids in Yangtze River via an Imprinted Multilayer Phosphorescence Probe. *Analytical Sciences*, **2018**, 34, 613-618	1.7	