Kangle Lv

List of Publications by Citations

138 papers	8,875 citations	56 h-index	91 g-index
140 ext. papers	10,714 ext. citations	9.8 avg, IF	6.76 L-index

#	Paper	IF	Citations
138	Pivotal role of fluorine in enhanced photocatalytic activity of anatase TiO2 nanosheets with dominant (001) facets for the photocatalytic degradation of acetone in air. *Applied Catalysis B: Environmental*, **2010**, 96, 557-564	21.8	456
137	Anatase TiO(2) nanosheets with exposed (001) facets: improved photoelectric conversion efficiency in dye-sensitized solar cells. *Nanoscale*, **2010**, 2, 2144-9	7.7	395
136	Effect of contact interface between TiO2 and g-C3N4 on the photoreactivity of g-C3N4/TiO2 photocatalyst: (0 0 1) vs (1 0 1) facets of TiO2. *Applied Catalysis B: Environmental*, **2015**, 164, 420-427	21.8	386
135	Effect of carbon-dots modification on the structure and photocatalytic activity of g-C3N4. *Applied Catalysis B: Environmental*, **2016**, 185, 225-232	21.8	259
134	Hybridization of rutile TiO2 (rTiO2) with g-C3N4 quantum dots (CN QDs): An efficient visible-light-driven Z-scheme hybridized photocatalyst. *Applied Catalysis B: Environmental*, **2017**, 202, 611-619	21.8	238
133	Selective aerobic oxidation of the biomass-derived precursor 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid under mild conditions over a magnetic palladium nanocatalyst. *Green Chemistry*, **2015**, 17, 1308-1317	10	203
132	Visible-Light-Driven Photocatalysts of Metal□Organic Frameworks Derived from Multi-Carboxylic Acid and Imidazole-Based Spacer. *Crystal Growth and Design*, **2012**, 12, 1603-1612	3.5	200
131	Fluorine ions-mediated morphology control of anatase TiO2 with enhanced photocatalytic activity. *Physical Chemistry Chemical Physics*, **2012**, 14, 5349-62	3.6	190
130	High efficiency photocatalytic hydrogen production over ternary Cu/TiO2@Ti3C2Tx enabled by low-work-function 2D titanium carbide. *Nano Energy*, **2018**, 53, 97-107	17.1	187
129	2D/2D Ti3C2 MXene/g-C3N4 nanosheets heterojunction for high efficient CO2 reduction photocatalyst: Dual effects of urea. *Applied Catalysis B: Environmental*, **2020**, 268, 118738	21.8	186
128	Effect of calcination temperature on morphology and photocatalytic activity of anatase TiO2 nanosheets with exposed {001} facets. *Applied Catalysis B: Environmental*, **2011**, 104, 275-281	21.8	183
127	Two Amino-Decorated Metal-Organic Frameworks for Highly Selective and Quantitatively Sensing of Hg(II) and Cr(VI) in Aqueous Solution. *Inorganic Chemistry*, **2015**, 54, 7133-5	5.1	168
126	Study on the shape control and photocatalytic activity of high-energy anatase titania. *Applied Catalysis B: Environmental*, **2010**, 100, 378-385	21.8	162
125	High performance of a cobalt-nitrogen complex for the reduction and reductive coupling of nitro compounds into amines and their derivatives. *Science Advances*, **2017**, 3, e1601945	14.3	146
124	Effects of polyoxometalate and fluoride on adsorption and photocatalytic degradation of organic dye X3B on TiO2: the difference in the production of reactive species. *Journal of Physical Chemistry B*, **2006**, 110, 6204-12	3.4	139
123	Removal of methylene blue from aqueous solutions by chemically modified bamboo. *Chemosphere*, **2014**, 111, 225-31	8.4	129
122	Carbon vacancy-induced enhancement of the visible light-driven photocatalytic oxidation of NO over g-C 3 N 4 nanosheets. *Applied Surface Science*, **2018**, 430, 380-389	6.7	124

121	(Bi, C and N) codoped TiO2 nanoparticles. *Journal of Hazardous Materials*, **2009**, 161, 396-401	12.8	120
120	Rate Enhancement and Rate Inhibition of Phenol Degradation over Irradiated Anatase and Rutile TiO2 on the Addition of NaF: New Insight into the Mechanism. *Journal of Physical Chemistry C*, **2007**, 111, 19024-19032	3.8	119
119	Superiority of graphene over carbon analogs for enhanced photocatalytic H2-production activity of ZnIn2S4. *Applied Catalysis B: Environmental*, **2017**, 206, 344-352	21.8	117
118	Photocatalytic activation of sulfite by nitrogen vacancy modified graphitic carbon nitride for efficient degradation of carbamazepine. *Applied Catalysis B: Environmental*, **2019**, 241, 18-27	21.8	117
117	Building a direct Z-scheme heterojunction photocatalyst by ZnIn2S4 nanosheets and TiO2 hollowspheres for highly-efficient artificial photosynthesis. *Chemical Engineering Journal*, **2018**, 349, 287-296	14.7	112
116	Efficient aerobic oxidation of biomass-derived 5-hydroxymethylfurfural to 2,5-diformylfuran catalyzed by magnetic nanoparticle supported manganese oxide. *Applied Catalysis A: General*, **2014**, 472, 64-71	5.1	110
115	A novel magnetic palladium catalyst for the mild aerobic oxidation of 5-hydroxymethylfurfural into 2,5-furandicarboxylic acid in water. *Catalysis Science and Technology*, **2015**, 5, 3194-3202	5.5	104
114	Aerobic oxidation of biomass derived 5-hydroxymethylfurfural into 5-hydroxymethyl-2-furancarboxylic acid catalyzed by a montmorillonite K-10 clay immobilized molybdenum acetylacetonate complex. *Green Chemistry*, **2014**, 16, 2762	10	104
113	Enhanced visible-light photocatalytic CO2 reduction performance of Znln2S4 microspheres by using CeO2 as cocatalyst. *Applied Surface Science*, **2019**, 464, 388-395	6.7	98
112	Heterojunction construction between TiO2 hollowsphere and ZnIn2S4 flower for photocatalysis application. *Applied Surface Science*, **2017**, 398, 81-88	6.7	95
111	Iron oxide encapsulated by ruthenium hydroxyapatite as heterogeneous catalyst for the synthesis of 2,5-diformylfuran. *ChemSusChem*, **2014**, 7, 3496-504	8.3	94
110	Synthesis and characterization of ZnO and TiO2 hollow spheres with enhanced photoreactivity. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2009**, 158, 40-47	3.1	93
109	MXenes as noble-metal-alternative co-catalysts in photocatalysis. *Chinese Journal of Catalysis*, **2021**, 42, 3-14	11.3	93
108	Fabrication of ZnO/graphene flake-like photocatalyst with enhanced photoreactivity. *Applied Surface Science*, **2015**, 358, 130-136	6.7	91
107	A versatile cobalt catalyst for the reductive amination of carbonyl compounds with nitro compounds by transfer hydrogenation. *Applied Catalysis B: Environmental*, **2017**, 210, 522-532	21.8	87
106	2D g-C3N4 for advancement of photo-generated carrier dynamics: Status and challenges. *Materials Today*, **2020**, 41, 270-303	21.8	87
105	Carbon vacancy in C3N4 nanotube: Electronic structure, photocatalysis mechanism and highly enhanced activity. *Applied Catalysis B: Environmental*, **2020**, 262, 118281	21.8	86
104	Preparation of thermally stable anatase TiO2 photocatalyst from TiOF2 precursor and its photocatalytic activity. *Journal of Alloys and Compounds*, **2011**, 509, 4557-4562	5.7	82

103	Dramatic promotion of visible-light photoreactivity of TiO2 hollow microspheres towards NO oxidation by introduction of oxygen vacancy. *Applied Catalysis B: Environmental*, **2019**, 256, 117860	21.8	80
102	Drastic promoting the visible photoreactivity of layered carbon nitride by polymerization of dicyandiamide at high pressure. *Applied Catalysis B: Environmental*, **2018**, 232, 330-339	21.8	80
101	Photocatalytic selective oxidation of phenol to produce dihydroxybenzenes in a TiO2/UV system: Hydroxyl radical versus hole. *Applied Catalysis B: Environmental*, **2016**, 199, 405-411	21.8	80
100	Enhanced visible-light photo-oxidation of nitric oxide using bismuth-coupled graphitic carbon nitride composite heterostructures. *Chinese Journal of Catalysis*, **2017**, 38, 321-329	11.3	78
99	Transformation of TiOF2 cube to a hollow nanobox assembly from anatase TiO2 nanosheets with exposed {001} facets via solvothermal strategy. *ACS Applied Materials & Interfaces*, **2013**, 5, 8663-9	9.5	71
98	Effect of phase structures on the photocatalytic activity of surface fluorinated TiO2. *Applied Catalysis B: Environmental*, **2010**, 95, 383-392	21.8	71
97	One-pot calcination synthesis of Cd0.5Zn0.5S/g-C3N4 photocatalyst with a step-scheme heterojunction structure. *Journal of Materials Science and Technology*, **2020**, 56, 206-215	9.1	69
96	Selective and metal-free oxidation of biomass-derived 5-hydroxymethylfurfural to 2,5-diformylfuran over nitrogen-doped carbon materials. *Green Chemistry*, **2018**, 20, 4946-4956	10	69
95	Effect of acid on the photocatalytic degradation of rhodamine B over g-C3N4. *Applied Surface Science*, **2015**, 358, 336-342	6.7	68
94	One-step construction of Pickering emulsion via commercial TiO2 nanoparticles for photocatalytic dye degradation. *Applied Catalysis B: Environmental*, **2019**, 249, 1-8	21.8	67
93	Cysteine modified anatase TiO2 hollow microspheres with enhanced visible-light-driven photocatalytic activity. *Journal of Molecular Catalysis A*, **2012**, 356, 78-84		66
92	Fabrication of TiO 2 nanorod assembly grafted rGO (rGO@TiO 2 -NR) hybridized flake-like photocatalyst. *Applied Surface Science*, **2017**, 391, 218-227	6.7	65
91	Photocatalytic degradation pathway for azo dye in TiO2/UV/O3 system: Hydroxyl radical versus hole. *Journal of Molecular Catalysis A*, **2013**, 367, 31-37		65
90	Effect of phase structures on the formation rate of hydroxyl radicals on the surface of TiO2. *Journal of Physics and Chemistry of Solids*, **2010**, 71, 519-522	3.9	65
89	Graphene-induced formation of visible-light-responsive SnO2-Zn2SnO4 Z-scheme photocatalyst with surface vacancy for the enhanced photoreactivity towards NO and acetone oxidation. *Chemical Engineering Journal*, **2018**, 336, 200-210	14.7	65
88	Fabrication of TiO2 hollow microspheres assembly from nanosheets (TiO2-HMSs-NSs) with enhanced photoelectric conversion efficiency in DSSCs and photocatalytic activity. *Applied Catalysis B: Environmental*, **2017**, 210, 184-193	21.8	64
87	Synergistic effects of hollow structure and surface fluorination on the photocatalytic activity of titania. *Journal of Hazardous Materials*, **2010**, 173, 539-43	12.8	64
86	Adsorption of methylene blue and Cd(II) onto maleylated modified hydrochar from water. *Environmental Pollution*, **2019**, 254, 113014	9.3	63

85	Embedding into Ultrathin Ti3C2Ty to Build Dual Schottky Barriers for Photocatalytic H2 Production. *ACS Catalysis*, **2021**, 11, 8510-8520	13.1	59
84	SPR effect of bismuth enhanced visible photoreactivity of Bi2WO6 for NO abatement. *Chinese Journal of Catalysis*, **2019**, 40, 755-764	11.3	56
83	Remarkable positive effect of Cd(OH)2 on CdS semiconductor for visible-light photocatalytic H2 production. *Applied Catalysis B: Environmental*, **2018**, 229, 8-14	21.8	56
82	Photocatalytic performances of g-C3N4 based catalysts for RhB degradation: Effect of preparation conditions. *Applied Surface Science*, **2015**, 358, 313-318	6.7	55
81	One-pot reductive amination of carbonyl compounds with nitro compounds with CO/H2O as the hydrogen donor over non-noble cobalt catalyst. *Journal of Catalysis*, **2017**, 352, 264-273	7.3	54
80	TiO2 faceted nanocrystals on the nanofibers: Homojunction TiO2 based Z-scheme photocatalyst for air purification. *Applied Surface Science*, **2018**, 456, 817-826	6.7	51
79	Enhanced visible photocatalytic oxidation of NO by repeated calcination of g-C3N4. *Applied Surface Science*, **2019**, 465, 1037-1046	6.7	48
78	Metal-organic frameworks constructed from d-camphor acid: bifunctional properties related to luminescence sensing and liquid-phase separation. *ACS Applied Materials & Interfaces*, **2015**, 7, 4449-55	9.5	47
77	Effect of mesoporous g-C3N4 substrate on catalytic oxidation of CO over Co3O4. *Applied Surface Science*, **2017**, 401, 333-340	6.7	46
76	Fabrication of TiO2 nanofiber assembly from nanosheets (TiO2-NFs-NSs) by electrospinning-hydrothermal method for improved photoreactivity. *Chinese Journal of Catalysis*, **2020**, 41, 209-218	11.3	46
75	Ti powder-assisted synthesis of Ti3+ self-doped TiO2 nanosheets with enhanced visible-light photoactivity. *RSC Advances*, **2014**, 4, 19588-19593	3.7	44
74	Recent advances on Bismuth-based Photocatalysts: Strategies and mechanisms. *Chemical Engineering Journal*, **2021**, 419, 129484	14.7	44
73	Effects of fluorine on photocatalysis. *Chinese Journal of Catalysis*, **2020**, 41, 1451-1467	11.3	43
72	Improved Surface Charge Transfer in MoO3/BiVO4 Heterojunction Film for Photoelectrochemical Water Oxidation. *Electrochimica Acta*, **2017**, 257, 181-191	6.7	42
71	Microwave-assisted rapid synthesis of anatase TiO2 nanocrystals with exposed {001} facets. *Journal of Molecular Catalysis A*, **2012**, 356, 137-143		41
70	Rugby-like anatase titania hollow nanoparticles with enhanced photocatalytic activity. *CrystEngComm*, **2011**, 13, 7044	3.3	41
69	Remarkable improved electro-Fenton efficiency by electric-field-induced catalysis of CeO. *Journal of Hazardous Materials*, **2018**, 350, 88-97	12.8	40
68	Hydrogen peroxide assisted rapid synthesis of TiO2 hollow microspheres with enhanced photocatalytic activity. *Applied Catalysis B: Environmental*, **2014**, 147, 789-795	21.8	40

67	In-situ transformation of Bi2WO6 to highly photoreactive Bi2WO6@Bi2S3 nanoplate via ion exchange. *Chinese Journal of Catalysis*, **2018**, 39, 718-727	11.3	39
66	Fabrication of high photoreactive carbon nitride nanosheets by polymerization of amidinourea for hydrogen production. *Applied Catalysis B: Environmental*, **2019**, 245, 197-206	21.8	39
65	Facile synthesis of CNTs/CaIn 2 S 4 composites with enhanced visible-light photocatalytic performance. *Applied Surface Science*, **2017**, 391, 565-571	6.7	38
64	A novel efficient electrode material: Activated carbon fibers grafted by ordered mesoporous carbon. *Electrochemistry Communications*, **2013**, 28, 67-70	5.1	38
63	Single atomic Au induced dramatic promotion of the photocatalytic activity of TiO hollow microspheres. *Chemical Communications*, **2020**, 56, 1745-1748	5.8	38
62	Facile preparation of Ti3+ self-doped TiO2 nanosheets with dominant {001} facets using zinc powder as reductant. *Journal of Alloys and Compounds*, **2014**, 601, 88-93	5.7	37
61	On the mechanism of oxidative degradation of rhodamine B over LaFeO3 catalysts supported on silica materials: Role of support. *Microporous and Mesoporous Materials*, **2016**, 221, 159-166	5.3	36
60	Highly photoreactive TiO 2 hollow microspheres with super thermal stability for acetone oxidation. *Chinese Journal of Catalysis*, **2017**, 38, 2085-2093	11.3	36
59	Photocatalytic Oxidation of Acetone Over High Thermally Stable TiO Nanosheets With Exposed (001) Facets. *Frontiers in Chemistry*, **2018**, 6, 175	5	35
58	Sputtering deposition of transparent conductive F-doped SnO2 (FTO) thin films in hydrogen-containing atmosphere. *Ceramics International*, **2017**, 43, 10288-10298	5.1	34
57	Activation of silicon in the electrolytic manganese residue by mechanical grinding-roasting. *Journal of Cleaner Production*, **2018**, 192, 347-353	10.3	34
56	Drastic promotion of the photoreactivity of MOF ultrathin nanosheets towards hydrogen production by deposition with CdS nanorods. *Applied Catalysis B: Environmental*, **2021**, 285, 119801	21.8	34
55	Constructing nitrogen vacancy introduced g-C3N4 p-n homojunction for enhanced photocatalytic activity. *Journal of Environmental Chemical Engineering*, **2019**, 7, 102984	6.8	33
54	Fabrication of walnut-like BiVO4@Bi2S3 heterojunction for efficient visible photocatalytic reduction of Cr(VI). *Materials Science in Semiconductor Processing*, **2018**, 75, 334-341	4.3	33
53	Enhanced visible photocatalytic activity of TiO 2 hollow boxes modified by methionine for RhB degradation and NO oxidation. *Chinese Journal of Catalysis*, **2018**, 39, 736-746	11.3	32
52	Effects of mesoporous structure and Pt promoter on the activity of Co-based catalysts in low-temperature CO2 hydrogenation for higher alcohol synthesis. *Journal of Catalysis*, **2018**, 366, 91-97	7.3	32
51	A novel BODIPY-based MOF photocatalyst for efficient visible-light-driven hydrogen evolution. *Journal of Materials Chemistry A*, **2019**, 7, 10439-10445	13	31
50	Rapid synthesis of a TiO2 hollow microsphere assembly from hollow nanoparticles with enhanced photocatalytic activity. *RSC Advances*, **2013**, 3, 15273	3.7	31

49	Flower-like g-C3N4 assembly from holy nanosheets with nitrogen vacancies for efficient NO abatement. *Applied Surface Science*, **2019**, 492, 166-176	6.7	27
48	Photocatalytic multiphase micro-droplet reactors based on complex coacervation. *Chemical Communications*, **2015**, 51, 8600-2	5.8	24
47	Removal of aqueous-phase lead ions by dithiocarbamate-modified hydrochar. *Science of the Total Environment*, **2020**, 714, 136897	10.2	24
46	Fe /TiO Hollow Microspheres: Fe and Ti Dual Active Sites Boosting the Photocatalytic Oxidation of NO. *Small*, **2020**, 16, e2004583	11	24
45	Photosensitization of Bi2O2CO3 nanoplates with amorphous Bi2S3 to improve the visible photoreactivity towards NO oxidation. *Applied Surface Science*, **2019**, 495, 143561	6.7	23
44	Potocatalytic oxidative degradation of organic pollutant with molecular oxygen activated by a novel biomimetic catalyst ZnPz(dtn-COOH)4. *Applied Catalysis B: Environmental*, **2013**, 132-133, 90-97	21.8	23
43	One-pot topotactic synthesis of Ti 3+ self-doped 3D TiO 2 hollow nanoboxes with enhanced visible light response. *Chinese Journal of Catalysis*, **2018**, 39, 1373-1383	11.3	22
42	C3N4 with engineered three coordinated (N3C) nitrogen vacancy boosts the production of 1O2 for Efficient and stable NO photo-oxidation. *Chemical Engineering Journal*, **2020**, 389, 124421	14.7	21
41	Three in one: atomically dispersed Na boosting the photoreactivity of carbon nitride towards NO oxidation. *Chemical Communications*, **2020**, 56, 14195-14198	5.8	21
40	Microwave-assisted rapid synthesis of Fe2O3/ACF hybrid for high efficient As(V) removal. *Journal of Alloys and Compounds*, **2016**, 674, 399-405	5.7	21
39	Sharply increasing the visible photoreactivity of g-C3N4 by breaking the intralayered hydrogen bonds. *Applied Surface Science*, **2020**, 505, 144654	6.7	19
38	Synergistic photocatalytic performance of cobalt tetra(2-hydroxymethyl-1,4-dithiin)porphyrazine loaded on zinc oxide nanoparticles. *Journal of Hazardous Materials*, **2018**, 359, 388-395	12.8	18
37	Effect of Pore Structure on the Electro-Fenton Activity of ACF@OMC Cathode. *Industrial & Engineering Chemistry Research*, **2015**, 54, 8492-8499	3.9	17
36	Thiourea-Modified TiO2 Nanorods with Enhanced Photocatalytic Activity. *Molecules*, **2016**, 21, 181	4.8	17
35	SPR effect of Au nanoparticles on the visible photocatalytic RhB degradation and NO oxidation over TiO2 hollow nanoboxes. *Arabian Journal of Chemistry*, **2020**, 13, 4404-4416	5.9	17
34	One-step solid state synthesis of facet-dependent contact TiO2 hollow nanocubes and reduced graphene oxide hybrids with 3D/2D heterojunctions for enhanced visible photocatalytic activity. *Applied Surface Science*, **2020**, 504, 144353	6.7	16
33	Templating synthesis of metal oxides by an incipient wetness impregnation route and their activities for CO oxidation. *New Journal of Chemistry*, **2015**, 39, 9380-9388	3.6	15
32	Photodegradation of rhodamine B with molecular oxygen catalyzed by a novel unsymmetrical iron porphyrazine under simulated sunlight. *Catalysis Science and Technology*, **2013**, 3, 1415	5.5	14

31	Enhanced efficiency for dye-sensitized solar cells with ZrO2 as a barrier layer on TiO2 nanofibers. *Applied Surface Science*, **2019**, 469, 821-828	6.7	13
30	Fabrication of TiO2 hollow microspheres by ammonia-induced self-transformation. *Journal of Alloys and Compounds*, **2014**, 612, 69-73	5.7	12
29	Photocatalytic properties and electrochemical characteristic of a novel biomimetic oxygenase enzyme photocatalyst iron(II) tetrahydroxymethyl tetra(1,4-dithiin) porphyrazine for the degradation of organic pollutants. *Journal of Molecular Catalysis A*, **2013**, 372, 114-120		12
28	Fabrication of porous TiO2 nanosheets assembly for improved photoreactivity towards X3B dye degradation and NO oxidation. *Applied Surface Science*, **2020**, 503, 144080	6.7	12
27	Photocatalytic oxidation of NO on reduction type semiconductor photocatalysts: effect of metallic Bi on CdS nanorods. *Chemical Communications*, **2021**, 57, 10067-10070	5.8	12
26	Inorganic Self-Assembled Bioactive Artificial Proto-Osteocells Inducing Bone Regeneration. *ACS Applied Materials & Interfaces*, **2018**, 10, 10718-10728	9.5	11
25	A multifunctional cadmium□organic framework comprising tricarboxytriphenyl amine: selective gas adsorption, liquid-phase separation and luminescence sensing. *RSC Advances*, **2016**, 6, 1388-1394	3.7	11
24	An electroporation strategy to synthesize the membrane-coated nanoparticles for enhanced anti-inflammation therapy in bone infection. *Theranostics*, **2021**, 11, 2349-2363	12.1	10
23	One-pot synthesis of La□Fe□O□@CN composites as photo-Fenton catalysts for highly efficient removal of organic dyes in wastewater. *Ceramics International*, **2020**, 46, 10740-10747	5.1	9
22	Effect of the structure of CN/Silica composite support on the catalytic performances of Co3O4 for CO oxidation. *Microporous and Mesoporous Materials*, **2018**, 255, 36-43	5.3	9
21	One-step topological preparation of carbon doped and coated TiO hollow nanocubes for synergistically enhanced visible photodegradation activity.. *RSC Advances*, **2018**, 8, 21431-21443	3.7	9
20	A dipicolylamine-appended cyclometalated iridium(III) complex: Synthesis, characterization and metal ions recognition. *Inorganica Chimica Acta*, **2012**, 390, 41-46	2.7	9
19	Electro-reduction of oxygen and electro-oxidation of methanol at Pd monolayer-modified macroporous Pt electrode. *Journal of Applied Electrochemistry*, **2009**, 39, 2409-2414	2.6	9
18	A Facile One-Pot Synthesis of Biomimetic Photocatalyst Zn(II)-Porphyrin-Sensitized 3D TiO Hollow Nanoboxes and Synergistically Enhanced Visible-Light Degradation. *Nanoscale Research Letters*, **2018**, 13, 336	5	9
17	Strategies for the Fabrication of 2D Carbon Nitride Nanosheets. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2020**, 2008010-0	3.8	8
16	Photocatalytic degradation of sulfadiazine in suspensions of TiO2 nanosheets with exposed (001) facets. *Chinese Chemical Letters*, **2021**, 32, 3215-3215	8.1	8
15	Carbon dioxide reforming of methane over nickel catalysts supported on TiO2(001) nanosheets. *International Journal of Hydrogen Energy*, **2018**, 43, 21345-21354	6.7	8
14	Sediment biomarker, bacterial community characterization of high arsenic aquifers in Jianghan Plain, China. *Scientific Reports*, **2017**, 7, 42037	4.9	7

13	Microwave-assisted rapid synthesis of Mn 3 O 4 /ACF hybrid for high efficient As(V) removal. *Chemical Engineering Research and Design*, **2017**, 121, 431-437	5.5	7
12	Synthesis and properties of iron(II) tetra(1,4-dithiin)porphyrazine bearing peripheral long-chain alkyl group of active end-bromine. *Inorganic Chemistry Communication*, **2010**, 13, 236-239	3.1	5
11	Assembly of CaIn2S4 on Defect-Rich BiOCl for Acceleration of Interfacial Charge Separation and Photocatalytic Phenol Degradation via S-Scheme Electron Transfer Mechanism. *Catalysts*, **2021**, 11, 1130	4	5
10	Research progress in metal sulfides for photocatalysis: From activity to stability. *Chemosphere*, **2022**, 135085	8.4	5
9	Excellent photoreduction performance of Cr(VI) over (WO4)2□doped metal organic framework materials. *New Journal of Chemistry*, **2020**, 44, 20704-20714	3.6	4
8	Plasmonic semiconductor photocatalyst: Non-stoichiometric tungsten oxide. *Environmental Research*, **2021**, 199, 111259	7.9	4
7	Insulator in photocatalysis: Essential roles and activation strategies. *Chemical Engineering Journal*, **2021**, 426, 130772	14.7	3
6	Synthesis and Photocatalytic Activity of Ultrafine SrNb6O16 Nanoparticles Supported on Graphene Oxide Nanosheets. *Science of Advanced Materials*, **2015**, 7, 1331-1340	2.3	2
5	Ultra-small subnano TiOx clusters as excellent cocatalysts for the photocatalytic degradation of tetracycline on plasmonic Ag/AgCl. *Catalysis Science and Technology*, **2020**, 10, 147-153	5.5	1
4	N, S, P-Codoped Graphene-Supported Ag-MnFe2O4 Heterojunction Nanoparticles as Bifunctional Oxygen Electrocatalyst with High Efficiency. *Catalysts*, **2021**, 11, 1550	4	1
3	Oxygen vacancies-induced photoreactivity enhancement of TiO2 mesocrystals towards acetone oxidation. *Applied Surface Science*, **2022**, 594, 153519	6.7	1
2	Highly efficient catalytic debromination of tetrabromodiphenyl ether with hydrazine as reducing agent: The role of the interaction between the catalyst and the reducing agent. *Chemical Engineering Journal*, **2022**, 433, 134364	14.7	0
1	Self-Assembly of Hollow, Pompon-Like and Nanosheet-Structured Carbon Nitride for Photodegradation of Tetracycline Hydrochloride. *Particle and Particle Systems Characterization*, **2022**, 39, 2100235	3.1	0