

Kangle Lv

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.

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	Highly efficient catalytic debromination of tetrabromodiphenyl ether with hydrazine as reducing agent: The role of the interaction between the catalyst and the reducing agent. <i>Chemical Engineering Journal</i> , 2022 , 433, 134364	14.7	0
137	Self-Assembly of Hollow, Pompon-Like and Nanosheet-Structured Carbon Nitride for Photodegradation of Tetracycline Hydrochloride. <i>Particle and Particle Systems Characterization</i> , 2022 , 39, 2100235	3.1	0
136	Oxygen vacancies-induced photoreactivity enhancement of TiO ₂ mesocrystals towards acetone oxidation. <i>Applied Surface Science</i> , 2022 , 594, 153519	6.7	1
135	Research progress in metal sulfides for photocatalysis: From activity to stability. <i>Chemosphere</i> , 2022 , 135085	8.4	5
134	Photocatalytic degradation of sulfadiazine in suspensions of TiO ₂ nanosheets with exposed (001) facets. <i>Chinese Chemical Letters</i> , 2021 , 32, 3215-3215	8.1	8
133	Embedding into Ultrathin Ti ₃ C ₂ Ty to Build Dual Schottky Barriers for Photocatalytic H ₂ Production. <i>ACS Catalysis</i> , 2021 , 11, 8510-8520	13.1	59
132	MXenes as noble-metal-alternative co-catalysts in photocatalysis. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 3-14	11.3	93
131	Drastic promotion of the photoreactivity of MOF ultrathin nanosheets towards hydrogen production by deposition with CdS nanorods. <i>Applied Catalysis B: Environmental</i> , 2021 , 285, 119801	21.8	34
130	Photocatalytic oxidation of NO on reduction type semiconductor photocatalysts: effect of metallic Bi on CdS nanorods. <i>Chemical Communications</i> , 2021 , 57, 10067-10070	5.8	12
129	Plasmonic semiconductor photocatalyst: Non-stoichiometric tungsten oxide. <i>Environmental Research</i> , 2021 , 199, 111259	7.9	4
128	Assembly of CaIn ₂ S ₄ on Defect-Rich BiOCl for Acceleration of Interfacial Charge Separation and Photocatalytic Phenol Degradation via S-Scheme Electron Transfer Mechanism. <i>Catalysts</i> , 2021 , 11, 1130 ⁴		5
127	Recent advances on Bismuth-based Photocatalysts: Strategies and mechanisms. <i>Chemical Engineering Journal</i> , 2021 , 419, 129484	14.7	44
126	Insulator in photocatalysis: Essential roles and activation strategies. <i>Chemical Engineering Journal</i> , 2021 , 426, 130772	14.7	3
125	An electroporation strategy to synthesize the membrane-coated nanoparticles for enhanced anti-inflammation therapy in bone infection. <i>Theranostics</i> , 2021 , 11, 2349-2363	12.1	10
124	N, S, P-Codoped Graphene-Supported Ag-MnFe ₂ O ₄ Heterojunction Nanoparticles as Bifunctional Oxygen Electrocatalyst with High Efficiency. <i>Catalysts</i> , 2021 , 11, 1550	4	1
123	2D/2D Ti ₃ C ₂ MXene/g-C ₃ N ₄ nanosheets heterojunction for high efficient CO ₂ reduction photocatalyst: Dual effects of urea. <i>Applied Catalysis B: Environmental</i> , 2020 , 268, 118738	21.8	186
122	C ₃ N ₄ with engineered three coordinated (N ₃ C) nitrogen vacancy boosts the production of IO ₂ for Efficient and stable NO photo-oxidation. <i>Chemical Engineering Journal</i> , 2020 , 389, 124421	14.7	21

121	One-pot synthesis of LaFeO ₃ @CN composites as photo-Fenton catalysts for highly efficient removal of organic dyes in wastewater. <i>Ceramics International</i> , 2020 , 46, 10740-10747	5.1	9
120	Removal of aqueous-phase lead ions by dithiocarbamate-modified hydrochar. <i>Science of the Total Environment</i> , 2020 , 714, 136897	10.2	24
119	Effects of fluorine on photocatalysis. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 1451-1467	11.3	43
118	Strategies for the Fabrication of 2D Carbon Nitride Nanosheets. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2020 , 2008010-0	3.8	8
117	One-pot calcination synthesis of Cd _{0.5} Zn _{0.5} S/g-C ₃ N ₄ photocatalyst with a step-scheme heterojunction structure. <i>Journal of Materials Science and Technology</i> , 2020 , 56, 206-215	9.1	69
116	One-step solid state synthesis of facet-dependent contact TiO ₂ hollow nanocubes and reduced graphene oxide hybrids with 3D/2D heterojunctions for enhanced visible photocatalytic activity. <i>Applied Surface Science</i> , 2020 , 504, 144353	6.7	16
115	Carbon vacancy in C ₃ N ₄ nanotube: Electronic structure, photocatalysis mechanism and highly enhanced activity. <i>Applied Catalysis B: Environmental</i> , 2020 , 262, 118281	21.8	86
114	Single atomic Au induced dramatic promotion of the photocatalytic activity of TiO hollow microspheres. <i>Chemical Communications</i> , 2020 , 56, 1745-1748	5.8	38
113	Ultra-small subnano TiO _x clusters as excellent cocatalysts for the photocatalytic degradation of tetracycline on plasmonic Ag/AgCl. <i>Catalysis Science and Technology</i> , 2020 , 10, 147-153	5.5	1
112	Sharply increasing the visible photoreactivity of g-C ₃ N ₄ by breaking the intralayered hydrogen bonds. <i>Applied Surface Science</i> , 2020 , 505, 144654	6.7	19
111	Fabrication of TiO ₂ nanofiber assembly from nanosheets (TiO ₂ -NFs-NSs) by electrospinning-hydrothermal method for improved photoreactivity. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 209-218	11.3	46
110	Three in one: atomically dispersed Na boosting the photoreactivity of carbon nitride towards NO oxidation. <i>Chemical Communications</i> , 2020 , 56, 14195-14198	5.8	21
109	Excellent photoreduction performance of Cr(VI) over (WO ₄) ₂ -doped metal organic framework materials. <i>New Journal of Chemistry</i> , 2020 , 44, 20704-20714	3.6	4
108	2D g-C ₃ N ₄ for advancement of photo-generated carrier dynamics: Status and challenges. <i>Materials Today</i> , 2020 , 41, 270-303	21.8	87
107	Fe /TiO Hollow Microspheres: Fe and Ti Dual Active Sites Boosting the Photocatalytic Oxidation of NO. <i>Small</i> , 2020 , 16, e2004583	11	24
106	SPR effect of Au nanoparticles on the visible photocatalytic RhB degradation and NO oxidation over TiO ₂ hollow nanoboxes. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 4404-4416	5.9	17
105	Fabrication of porous TiO ₂ nanosheets assembly for improved photoreactivity towards X3B dye degradation and NO oxidation. <i>Applied Surface Science</i> , 2020 , 503, 144080	6.7	12
104	Dramatic promotion of visible-light photoreactivity of TiO ₂ hollow microspheres towards NO oxidation by introduction of oxygen vacancy. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117860	21.8	80

103	Flower-like g-C ₃ N ₄ assembly from holy nanosheets with nitrogen vacancies for efficient NO abatement. <i>Applied Surface Science</i> , 2019 , 492, 166-176	6.7	27
102	SPR effect of bismuth enhanced visible photoreactivity of Bi ₂ WO ₆ for NO abatement. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 755-764	11.3	56
101	Constructing nitrogen vacancy introduced g-C ₃ N ₄ p-n homojunction for enhanced photocatalytic activity. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 102984	6.8	33
100	A novel BODIPY-based MOF photocatalyst for efficient visible-light-driven hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10439-10445	13	31
99	One-step construction of Pickering emulsion via commercial TiO ₂ nanoparticles for photocatalytic dye degradation. <i>Applied Catalysis B: Environmental</i> , 2019 , 249, 1-8	21.8	67
98	Photosensitization of Bi ₂ O ₂ CO ₃ nanoplates with amorphous Bi ₂ S ₃ to improve the visible photoreactivity towards NO oxidation. <i>Applied Surface Science</i> , 2019 , 495, 143561	6.7	23
97	Adsorption of methylene blue and Cd(II) onto maleylated modified hydrochar from water. <i>Environmental Pollution</i> , 2019 , 254, 113014	9.3	63
96	Enhanced visible-light photocatalytic CO ₂ reduction performance of ZnIn ₂ S ₄ microspheres by using CeO ₂ as cocatalyst. <i>Applied Surface Science</i> , 2019 , 464, 388-395	6.7	98
95	Photocatalytic activation of sulfite by nitrogen vacancy modified graphitic carbon nitride for efficient degradation of carbamazepine. <i>Applied Catalysis B: Environmental</i> , 2019 , 241, 18-27	21.8	117
94	Fabrication of high photoreactive carbon nitride nanosheets by polymerization of amidinourea for hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2019 , 245, 197-206	21.8	39
93	Enhanced efficiency for dye-sensitized solar cells with ZrO ₂ as a barrier layer on TiO ₂ nanofibers. <i>Applied Surface Science</i> , 2019 , 469, 821-828	6.7	13
92	Enhanced visible photocatalytic oxidation of NO by repeated calcination of g-C ₃ N ₄ . <i>Applied Surface Science</i> , 2019 , 465, 1037-1046	6.7	48
91	In-situ transformation of Bi ₂ WO ₆ to highly photoreactive Bi ₂ WO ₆ @Bi ₂ S ₃ nanoplate via ion exchange. <i>Chinese Journal of Catalysis</i> , 2018 , 39, 718-727	11.3	39
90	Remarkable improved electro-Fenton efficiency by electric-field-induced catalysis of CeO. <i>Journal of Hazardous Materials</i> , 2018 , 350, 88-97	12.8	40
89	Remarkable positive effect of Cd(OH) ₂ on CdS semiconductor for visible-light photocatalytic H ₂ production. <i>Applied Catalysis B: Environmental</i> , 2018 , 229, 8-14	21.8	56
88	Enhanced visible photocatalytic activity of TiO ₂ hollow boxes modified by methionine for RhB degradation and NO oxidation. <i>Chinese Journal of Catalysis</i> , 2018 , 39, 736-746	11.3	32
87	Drastic promoting the visible photoreactivity of layered carbon nitride by polymerization of dicyandiamide at high pressure. <i>Applied Catalysis B: Environmental</i> , 2018 , 232, 330-339	21.8	80
86	Inorganic Self-Assembled Bioactive Artificial Proto-Osteocells Inducing Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10718-10728	9.5	11

85	Carbon vacancy-induced enhancement of the visible light-driven photocatalytic oxidation of NO over g-C ₃ N ₄ nanosheets. <i>Applied Surface Science</i> , 2018 , 430, 380-389	6.7	124
84	Effect of the structure of CN/Silica composite support on the catalytic performances of Co ₃ O ₄ for CO oxidation. <i>Microporous and Mesoporous Materials</i> , 2018 , 255, 36-43	5.3	9
83	TiO ₂ faceted nanocrystals on the nanofibers: Homojunction TiO ₂ based Z-scheme photocatalyst for air purification. <i>Applied Surface Science</i> , 2018 , 456, 817-826	6.7	51
82	Synergistic photocatalytic performance of cobalt tetra(2-hydroxymethyl-1,4-dithiin)porphyrine loaded on zinc oxide nanoparticles. <i>Journal of Hazardous Materials</i> , 2018 , 359, 388-395	12.8	18
81	Activation of silicon in the electrolytic manganese residue by mechanical grinding-roasting. <i>Journal of Cleaner Production</i> , 2018 , 192, 347-353	10.3	34
80	Photocatalytic Oxidation of Acetone Over High Thermally Stable TiO Nanosheets With Exposed (001) Facets. <i>Frontiers in Chemistry</i> , 2018 , 6, 175	5	35
79	Effects of mesoporous structure and Pt promoter on the activity of Co-based catalysts in low-temperature CO ₂ hydrogenation for higher alcohol synthesis. <i>Journal of Catalysis</i> , 2018 , 366, 91-97	7.3	32
78	High efficiency photocatalytic hydrogen production over ternary Cu/TiO ₂ @Ti ₃ C ₂ T _x enabled by low-work-function 2D titanium carbide. <i>Nano Energy</i> , 2018 , 53, 97-107	17.1	187
77	One-step topological preparation of carbon doped and coated TiO hollow nanocubes for synergistically enhanced visible photodegradation activity.. <i>RSC Advances</i> , 2018 , 8, 21431-21443	3.7	9
76	Fabrication of walnut-like BiVO ₄ @Bi ₂ S ₃ heterojunction for efficient visible photocatalytic reduction of Cr(VI). <i>Materials Science in Semiconductor Processing</i> , 2018 , 75, 334-341	4.3	33
75	Graphene-induced formation of visible-light-responsive SnO ₂ -Zn ₂ SnO ₄ Z-scheme photocatalyst with surface vacancy for the enhanced photoreactivity towards NO and acetone oxidation. <i>Chemical Engineering Journal</i> , 2018 , 336, 200-210	14.7	65
74	A Facile One-Pot Synthesis of Biomimetic Photocatalyst Zn(II)-Porphyrin-Sensitized 3D TiO Hollow Nanoboxes and Synergistically Enhanced Visible-Light Degradation. <i>Nanoscale Research Letters</i> , 2018 , 13, 336	5	9
73	Selective and metal-free oxidation of biomass-derived 5-hydroxymethylfurfural to 2,5-diformylfuran over nitrogen-doped carbon materials. <i>Green Chemistry</i> , 2018 , 20, 4946-4956	10	69
72	Carbon dioxide reforming of methane over nickel catalysts supported on TiO ₂ (001) nanosheets. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 21345-21354	6.7	8
71	One-pot topotactic synthesis of Ti ³⁺ self-doped 3D TiO ₂ hollow nanoboxes with enhanced visible light response. <i>Chinese Journal of Catalysis</i> , 2018 , 39, 1373-1383	11.3	22
70	Building a direct Z-scheme heterojunction photocatalyst by ZnIn ₂ S ₄ nanosheets and TiO ₂ hollowspheres for highly-efficient artificial photosynthesis. <i>Chemical Engineering Journal</i> , 2018 , 349, 287-296	14.7	112
69	Fabrication of TiO ₂ nanorod assembly grafted rGO (rGO@TiO ₂ -NR) hybridized flake-like photocatalyst. <i>Applied Surface Science</i> , 2017 , 391, 218-227	6.7	65
68	Superiority of graphene over carbon analogs for enhanced photocatalytic H ₂ -production activity of ZnIn ₂ S ₄ . <i>Applied Catalysis B: Environmental</i> , 2017 , 206, 344-352	21.8	117

67	Effect of mesoporous g-C ₃ N ₄ substrate on catalytic oxidation of CO over Co ₃ O ₄ . <i>Applied Surface Science</i> , 2017 , 401, 333-340	6.7	46
66	Sediment biomarker, bacterial community characterization of high arsenic aquifers in Jiangnan Plain, China. <i>Scientific Reports</i> , 2017 , 7, 42037	4.9	7
65	High performance of a cobalt-nitrogen complex for the reduction and reductive coupling of nitro compounds into amines and their derivatives. <i>Science Advances</i> , 2017 , 3, e1601945	14.3	146
64	A versatile cobalt catalyst for the reductive amination of carbonyl compounds with nitro compounds by transfer hydrogenation. <i>Applied Catalysis B: Environmental</i> , 2017 , 210, 522-532	21.8	87
63	Microwave-assisted rapid synthesis of Mn ₃ O ₄ /ACF hybrid for high efficient As(V) removal. <i>Chemical Engineering Research and Design</i> , 2017 , 121, 431-437	5.5	7
62	Sputtering deposition of transparent conductive F-doped SnO ₂ (FTO) thin films in hydrogen-containing atmosphere. <i>Ceramics International</i> , 2017 , 43, 10288-10298	5.1	34
61	One-pot reductive amination of carbonyl compounds with nitro compounds with CO/H ₂ O as the hydrogen donor over non-noble cobalt catalyst. <i>Journal of Catalysis</i> , 2017 , 352, 264-273	7.3	54
60	Fabrication of TiO ₂ hollow microspheres assembly from nanosheets (TiO ₂ -HMSs-NSs) with enhanced photoelectric conversion efficiency in DSSCs and photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2017 , 210, 184-193	21.8	64
59	Enhanced visible-light photo-oxidation of nitric oxide using bismuth-coupled graphitic carbon nitride composite heterostructures. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 321-329	11.3	78
58	Heterojunction construction between TiO ₂ hollowsphere and ZnIn ₂ S ₄ flower for photocatalysis application. <i>Applied Surface Science</i> , 2017 , 398, 81-88	6.7	95
57	Improved Surface Charge Transfer in MoO ₃ /BiVO ₄ Heterojunction Film for Photoelectrochemical Water Oxidation. <i>Electrochimica Acta</i> , 2017 , 257, 181-191	6.7	42
56	Hybridization of rutile TiO ₂ (rTiO ₂) with g-C ₃ N ₄ quantum dots (CN QDs): An efficient visible-light-driven Z-scheme hybridized photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 611-619	21.8	238
55	Facile synthesis of CNTs/CaIn ₂ S ₄ composites with enhanced visible-light photocatalytic performance. <i>Applied Surface Science</i> , 2017 , 391, 565-571	6.7	38
54	Highly photoreactive TiO ₂ hollow microspheres with super thermal stability for acetone oxidation. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 2085-2093	11.3	36
53	On the mechanism of oxidative degradation of rhodamine B over LaFeO ₃ catalysts supported on silica materials: Role of support. <i>Microporous and Mesoporous Materials</i> , 2016 , 221, 159-166	5.3	36
52	Photocatalytic selective oxidation of phenol to produce dihydroxybenzenes in a TiO ₂ /UV system: Hydroxyl radical versus hole. <i>Applied Catalysis B: Environmental</i> , 2016 , 199, 405-411	21.8	80
51	A multifunctional cadmium-organic framework comprising tricarboxytriphenyl amine: selective gas adsorption, liquid-phase separation and luminescence sensing. <i>RSC Advances</i> , 2016 , 6, 1388-1394	3.7	11
50	Effect of carbon-dots modification on the structure and photocatalytic activity of g-C ₃ N ₄ . <i>Applied Catalysis B: Environmental</i> , 2016 , 185, 225-232	21.8	259

49	Thiourea-Modified TiO ₂ Nanorods with Enhanced Photocatalytic Activity. <i>Molecules</i> , 2016 , 21, 181	4.8	17
48	Microwave-assisted rapid synthesis of Fe ₂ O ₃ /ACF hybrid for high efficient As(V) removal. <i>Journal of Alloys and Compounds</i> , 2016 , 674, 399-405	5.7	21
47	Effect of acid on the photocatalytic degradation of rhodamine B over g-C ₃ N ₄ . <i>Applied Surface Science</i> , 2015 , 358, 336-342	6.7	68
46	Photocatalytic performances of g-C ₃ N ₄ based catalysts for RhB degradation: Effect of preparation conditions. <i>Applied Surface Science</i> , 2015 , 358, 313-318	6.7	55
45	Two Amino-Decorated Metal-Organic Frameworks for Highly Selective and Quantitatively Sensing of Hg(II) and Cr(VI) in Aqueous Solution. <i>Inorganic Chemistry</i> , 2015 , 54, 7133-5	5.1	168
44	Photocatalytic multiphase micro-droplet reactors based on complex coacervation. <i>Chemical Communications</i> , 2015 , 51, 8600-2	5.8	24
43	A novel magnetic palladium catalyst for the mild aerobic oxidation of 5-hydroxymethylfurfural into 2,5-furandicarboxylic acid in water. <i>Catalysis Science and Technology</i> , 2015 , 5, 3194-3202	5.5	104
42	Fabrication of ZnO/graphene flake-like photocatalyst with enhanced photoreactivity. <i>Applied Surface Science</i> , 2015 , 358, 130-136	6.7	91
41	Templating synthesis of metal oxides by an incipient wetness impregnation route and their activities for CO oxidation. <i>New Journal of Chemistry</i> , 2015 , 39, 9380-9388	3.6	15
40	Effect of Pore Structure on the Electro-Fenton Activity of ACF@OMC Cathode. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 8492-8499	3.9	17
39	Selective aerobic oxidation of the biomass-derived precursor 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid under mild conditions over a magnetic palladium nanocatalyst. <i>Green Chemistry</i> , 2015 , 17, 1308-1317	10	203
38	Effect of contact interface between TiO ₂ and g-C ₃ N ₄ on the photoreactivity of g-C ₃ N ₄ /TiO ₂ photocatalyst: (0 0 1) vs (1 0 1) facets of TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2015 , 164, 420-427	21.8	386
37	Metal-organic frameworks constructed from d-camphor acid: bifunctional properties related to luminescence sensing and liquid-phase separation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 4449-455	9.5	47
36	Synthesis and Photocatalytic Activity of Ultrafine SrNb ₆ O ₁₆ Nanoparticles Supported on Graphene Oxide Nanosheets. <i>Science of Advanced Materials</i> , 2015 , 7, 1331-1340	2.3	2
35	Aerobic oxidation of biomass derived 5-hydroxymethylfurfural into 5-hydroxymethyl-2-furancarboxylic acid catalyzed by a montmorillonite K-10 clay immobilized molybdenum acetylacetonate complex. <i>Green Chemistry</i> , 2014 , 16, 2762	10	104
34	Efficient aerobic oxidation of biomass-derived 5-hydroxymethylfurfural to 2,5-diformylfuran catalyzed by magnetic nanoparticle supported manganese oxide. <i>Applied Catalysis A: General</i> , 2014 , 472, 64-71	5.1	110
33	Removal of methylene blue from aqueous solutions by chemically modified bamboo. <i>Chemosphere</i> , 2014 , 111, 225-31	8.4	129
32	Iron oxide encapsulated by ruthenium hydroxyapatite as heterogeneous catalyst for the synthesis of 2,5-diformylfuran. <i>ChemSusChem</i> , 2014 , 7, 3496-504	8.3	94

31	Hydrogen peroxide assisted rapid synthesis of TiO ₂ hollow microspheres with enhanced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 789-795	21.8	40
30	Ti powder-assisted synthesis of Ti ³⁺ self-doped TiO ₂ nanosheets with enhanced visible-light photoactivity. <i>RSC Advances</i> , 2014 , 4, 19588-19593	3.7	44
29	Fabrication of TiO ₂ hollow microspheres by ammonia-induced self-transformation. <i>Journal of Alloys and Compounds</i> , 2014 , 612, 69-73	5.7	12
28	Facile preparation of Ti ³⁺ self-doped TiO ₂ nanosheets with dominant {001} facets using zinc powder as reductant. <i>Journal of Alloys and Compounds</i> , 2014 , 601, 88-93	5.7	37
27	Transformation of TiOF ₂ cube to a hollow nanobox assembly from anatase TiO ₂ nanosheets with exposed {001} facets via solvothermal strategy. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 8663-9	9.5	71
26	Rapid synthesis of a TiO ₂ hollow microsphere assembly from hollow nanoparticles with enhanced photocatalytic activity. <i>RSC Advances</i> , 2013 , 3, 15273	3.7	31
25	Photocatalytic degradation pathway for azo dye in TiO ₂ /UV/O ₃ system: Hydroxyl radical versus hole. <i>Journal of Molecular Catalysis A</i> , 2013 , 367, 31-37		65
24	Potocatalytic oxidative degradation of organic pollutant with molecular oxygen activated by a novel biomimetic catalyst ZnPz(dtn-COOH) ₄ . <i>Applied Catalysis B: Environmental</i> , 2013 , 132-133, 90-97	21.8	23
23	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. <i>Journal of Molecular Catalysis A</i> , 2013 , 372, 114-120		12
22	Photodegradation of rhodamine B with molecular oxygen catalyzed by a novel unsymmetrical iron porphyrazine under simulated sunlight. <i>Catalysis Science and Technology</i> , 2013 , 3, 1415	5.5	14
21	A novel efficient electrode material: Activated carbon fibers grafted by ordered mesoporous carbon. <i>Electrochemistry Communications</i> , 2013 , 28, 67-70	5.1	38
20	Cysteine modified anatase TiO ₂ hollow microspheres with enhanced visible-light-driven photocatalytic activity. <i>Journal of Molecular Catalysis A</i> , 2012 , 356, 78-84		66
19	Microwave-assisted rapid synthesis of anatase TiO ₂ nanocrystals with exposed {001} facets. <i>Journal of Molecular Catalysis A</i> , 2012 , 356, 137-143		41
18	Fluorine ions-mediated morphology control of anatase TiO ₂ with enhanced photocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 5349-62	3.6	190
17	Visible-Light-Driven Photocatalysts of Metal-Organic Frameworks Derived from Multi-Carboxylic Acid and Imidazole-Based Spacer. <i>Crystal Growth and Design</i> , 2012 , 12, 1603-1612	3.5	200
16	A dipicolylamine-appended cyclometalated iridium(III) complex: Synthesis, characterization and metal ions recognition. <i>Inorganica Chimica Acta</i> , 2012 , 390, 41-46	2.7	9
15	Rugby-like anatase titania hollow nanoparticles with enhanced photocatalytic activity. <i>CrystEngComm</i> , 2011 , 13, 7044	3.3	41
14	Preparation of thermally stable anatase TiO ₂ photocatalyst from TiOF ₂ precursor and its photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 4557-4562	5.7	82

13	Effect of calcination temperature on morphology and photocatalytic activity of anatase TiO ₂ nanosheets with exposed {001} facets. <i>Applied Catalysis B: Environmental</i> , 2011 , 104, 275-281	21.8	183
12	Anatase TiO ₂ nanosheets with exposed (001) facets: improved photoelectric conversion efficiency in dye-sensitized solar cells. <i>Nanoscale</i> , 2010 , 2, 2144-9	7.7	395
11	Synergistic effects of hollow structure and surface fluorination on the photocatalytic activity of titania. <i>Journal of Hazardous Materials</i> , 2010 , 173, 539-43	12.8	64
10	Effect of phase structures on the photocatalytic activity of surface fluorinated TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2010 , 95, 383-392	21.8	71
9	Pivotal role of fluorine in enhanced photocatalytic activity of anatase TiO ₂ nanosheets with dominant (001) facets for the photocatalytic degradation of acetone in air. <i>Applied Catalysis B: Environmental</i> , 2010 , 96, 557-564	21.8	456
8	Effect of phase structures on the formation rate of hydroxyl radicals on the surface of TiO ₂ . <i>Journal of Physics and Chemistry of Solids</i> , 2010 , 71, 519-522	3.9	65
7	Study on the shape control and photocatalytic activity of high-energy anatase titania. <i>Applied Catalysis B: Environmental</i> , 2010 , 100, 378-385	21.8	162
6	Synthesis and properties of iron(II) tetra(1,4-dithiin)porphyrine bearing peripheral long-chain alkyl group of active end-bromine. <i>Inorganic Chemistry Communication</i> , 2010 , 13, 236-239	3.1	5
5	Synthesis and characterization of ZnO and TiO ₂ hollow spheres with enhanced photoreactivity. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009 , 158, 40-47	3.1	93
4	Electro-reduction of oxygen and electro-oxidation of methanol at Pd monolayer-modified macroporous Pt electrode. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 2409-2414	2.6	9
3	(Bi, C and N) codoped TiO ₂ nanoparticles. <i>Journal of Hazardous Materials</i> , 2009 , 161, 396-401	12.8	120
2	Rate Enhancement and Rate Inhibition of Phenol Degradation over Irradiated Anatase and Rutile TiO ₂ on the Addition of NaF: New Insight into the Mechanism. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 19024-19032	3.8	119
1	Effects of polyoxometalate and fluoride on adsorption and photocatalytic degradation of organic dye X3B on TiO ₂ : the difference in the production of reactive species. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 6204-12	3.4	139