

Qidong Zhao

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.

159
papers

7,522
citations

51
h-index

80
g-index

163
ext. papers

8,409
ext. citations

7.3
avg, IF

6.22
L-index

#	Paper	IF	Citations
159	Facile and controllable preparation of nanocrystalline ZSM-5 and Ag/ZSM-5 zeolite with enhanced performance of adsorptive desulfurization from fuel. <i>Separation and Purification Technology</i> , 2022 , 288, 120698	8.3	2
158	Comparative investigation of visible-light-induced benzene degradation on M-ferrite/hematite (M=Ca, Mg, Zn) nanospheres by in situ FTIR: Intermediates and reaction mechanism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 618, 126501	5.1	3
157	Ultrathin nanoflake-assembled hierarchical BiOBr microflower with highly exposed {001} facets for efficient photocatalytic degradation of gaseous ortho-dichlorobenzene. <i>Applied Catalysis B: Environmental</i> , 2021 , 281, 119478	21.8	45
156	Hierarchical porous HKUST-1 fabricated by microwave-assisted synthesis with CTAB for enhanced adsorptive removal of benzothiophene from fuel. <i>Separation and Purification Technology</i> , 2021 , 271, 118868	8.3	11
155	The reaction pathway of the CO ₂ RR to low-carbon alcohols: a theoretical study. <i>New Journal of Chemistry</i> , 2020 , 44, 8971-8976	3.6	8
154	One-step synthesis and Gd ³⁺ decoration of BiOBr microspheres consisting of nanosheets toward improving photocatalytic reduction of CO ₂ into hydrocarbon fuel. <i>Chemical Engineering Journal</i> , 2020 , 400, 125944	14.7	36
153	Ultramicroporous Metal-Organic Framework Qc-5-Cu for Highly Selective Adsorption of CO ₂ from C ₂ H ₄ Stream. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 3153-3161	3.9	5
152	Current Progress of Electrocatalysts for Ammonia Synthesis Through Electrochemical Nitrogen Reduction Under Ambient Conditions. <i>ChemSusChem</i> , 2020 , 13, 3766	8.3	32
151	Nanomaterials Developed for Removing Air Pollutants 2020 , 203-247		1
150	High-performance In ₂ O ₃ @PANI core@shell architectures with ultralong charge carriers lifetime for photocatalytic degradation of gaseous 1,2-dichlorobenzene. <i>Applied Catalysis B: Environmental</i> , 2020 , 263, 118278	21.8	36
149	Advanced Nanomaterials for Degrading Persistent Organic Pollutants 2020 , 249-305		4
148	Water-Plasma Assisted Synthesis of Oxygen-Enriched Ni/Be Layered Double Hydroxide Nanosheets for Efficient Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4247-4254	8.3	43
147	Carbon-Rich Nonprecious Metal Single Atom Electrocatalysts for CO ₂ Reduction and Hydrogen Evolution. <i>Small Methods</i> , 2019 , 3, 1900210	12.8	105
146	Single Atom Electrocatalysts: Carbon-Rich Nonprecious Metal Single Atom Electrocatalysts for CO ₂ Reduction and Hydrogen Evolution (Small Methods 10/2019). <i>Small Methods</i> , 2019 , 3, 1970033	12.8	3
145	Boosting interfacial charge transfer and electricity generation for levofloxacin elimination in a self-driven bio-driven photoelectrocatalytic system. <i>Nanoscale</i> , 2019 , 11, 22042-22053	7.7	10
144	Emerging nanostructured carbon-based non-precious metal electrocatalysts for selective electrochemical CO ₂ reduction to CO. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 25191-25202	13	57
143	Noble metal-free two dimensional carbon-based electrocatalysts for water splitting. <i>BMC Materials</i> , 2019 , 1,	6.7	15

142	Acid-treated Ti ⁴⁺ doped hematite photoanode for efficient solar water oxidation Insight into surface states and charge separation. <i>Journal of Alloys and Compounds</i> , 2019 , 782, 943-951	5.7	16
141	Hollow porous zinc cobaltate nanocubes photocatalyst derived from bimetallic zeolitic imidazolate frameworks towards enhanced gaseous toluene degradation. <i>Journal of Colloid and Interface Science</i> , 2018 , 516, 76-85	9.3	23
140	Polydopamine-assisted decoration of TiO ₂ nanotube arrays with enzyme to construct a novel photoelectrochemical sensing platform. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 133-139	8.5	43
139	Enhanced photocatalytic reduction of cadmium on calcium ferrite-based nanocomposites by simulated solar radiation. <i>Materials Letters</i> , 2018 , 211, 142-145	3.3	4
138	Insight into the photocatalytic mineralization of short chain chlorinated paraffins boosted by polydopamine and Ag nanoparticles. <i>Journal of Hazardous Materials</i> , 2018 , 359, 186-193	12.8	12
137	Rational design and synthesis of highly oriented copper-zinc ferrite QDs/titania NAE nano-heterojunction composites with novel photoelectrochemical and photoelectrocatalytic behaviors. <i>Dalton Transactions</i> , 2018 , 47, 12769-12782	4.3	11
136	Triple-shelled NiMnO hollow spheres as an efficient catalyst for low-temperature selective catalytic reduction of NO with NH ₃ . <i>Chemical Communications</i> , 2018 , 54, 9797-9800	5.8	32
135	Facile synthesis of tube-shaped Mn-Ni-Ti solid solution and preferable Langmuir-Hinshelwood mechanism for selective catalytic reduction of NO _x by NH ₃ . <i>Applied Catalysis A: General</i> , 2018 , 549, 289-301	5.1	53
134	Fe/Mn Mixed Oxide Catalysts Synthesized by One-Step Urea-Precipitation Method for the Selective Catalytic Reduction of NO _x with NH ₃ at Low Temperatures. <i>Catalysis Letters</i> , 2018 , 148, 227-234	2.8	19
133	Fabrication of MoS ₂ @g-C ₃ N ₄ core-shell nanospheres for visible light photocatalytic degradation of toluene. <i>Journal of Nanoparticle Research</i> , 2018 , 20, 1	2.3	10
132	A new type Ni-MOF catalyst with high stability for selective catalytic reduction of NO _x with NH ₃ . <i>Catalysis Communications</i> , 2018 , 114, 104-108	3.2	36
131	Upconversion carbon quantum dots as visible light responsive component for efficient enhancement of photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2017 , 496, 425-433	9.3	135
130	Self-templated formation of ZnFe ₂ O ₄ double-shelled hollow microspheres for photocatalytic degradation of gaseous o-dichlorobenzene. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8909-8915	13	73
129	A NiP modified Ti doped FeO photoanode for efficient solar water oxidation by promoting hole injection. <i>Dalton Transactions</i> , 2017 , 46, 10549-10552	4.3	23
128	AgInS ₂ nanoparticles modified TiO ₂ nanotube array electrodes: Ultrasonic-assisted SILAR preparation and mechanism of enhanced photoelectrocatalytic activity. <i>Molecular Catalysis</i> , 2017 , 442, 97-106	3.3	14
127	Construction of p-n heterojunction Bi ₂ O ₃ /BiVO ₄ nanocomposite with improved photoinduced charge transfer property and enhanced activity in degradation of ortho-dichlorobenzene. <i>Applied Catalysis B: Environmental</i> , 2017 , 219, 259-268	21.8	76
126	Mechanistic investigation of the enhanced NH ₃ -SCR on cobalt-decorated Ce-Ti mixed oxide: In situ FTIR analysis for structure-activity correlation. <i>Applied Catalysis B: Environmental</i> , 2017 , 200, 297-308	21.8	276
125	MIL-100(Fe) as a new catalyst for selective catalysis reduction of NO _x with ammonia. <i>Integrated Ferroelectrics</i> , 2017 , 181, 14-25	0.8	9

124	Gold nanostars: Benzyltrimethylammonium chloride-assisted synthesis, plasmon tuning, SERS and catalytic activity. <i>Journal of Colloid and Interface Science</i> , 2016 , 462, 341-50	9.3	32
123	Synthesis of Bimetallic MOFs MIL-100(Fe-Mn) as an Efficient Catalyst for Selective Catalytic Reduction of NO _x with NH ₃ . <i>Catalysis Letters</i> , 2016 , 146, 1956-1964	2.8	47
122	Cu-BTC metal-organic framework as a novel catalyst for low temperature selective catalytic reduction (SCR) of NO by NH ₃ : Promotional effect of activation temperature. <i>Integrated Ferroelectrics</i> , 2016 , 172, 169-179	0.8	24
121	Photo-induced activity of BiFeO ₃ /TiO ₂ nanotube arrays derived from ultrasound-assisted successive ionic layer adsorption and reaction. <i>Materials Research Bulletin</i> , 2016 , 83, 396-399	5.1	10
120	Enhanced photocatalytic activity of degrading short chain chlorinated paraffins over reduced graphene oxide/CoFe ₂ O ₄ /Ag nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2016 , 479, 89-97	9.3	20
119	Improved activity of W-modified MnO ₂ /TiO ₂ catalysts for the selective catalytic reduction of NO with NH ₃ . <i>Chemical Engineering Journal</i> , 2016 , 288, 216-222	14.7	104
118	Preparation of AgInS ₂ /TiO ₂ composites for enhanced photocatalytic degradation of gaseous o-dichlorobenzene under visible light. <i>Applied Catalysis B: Environmental</i> , 2016 , 185, 1-10	21.8	79
117	W/Mn _{1-x} Catalysts Synthesized by a One-Step Urea Co-precipitation Method for Selective Catalytic Reduction of NO _x with NH ₃ at Low Temperatures. <i>Energy & Fuels</i> , 2016 , 30, 1810-1814	4.1	16
116	Branch number matters: Promoting catalytic reduction of 4-nitrophenol over gold nanostars by raising the number of branches and coating with mesoporous SiO ₂ . <i>Journal of Colloid and Interface Science</i> , 2016 , 477, 1-7	9.3	11
115	Hexagonal microspindle of NH ₂ -MIL-101(Fe) metal-organic frameworks with visible-light-induced photocatalytic activity for the degradation of toluene. <i>RSC Advances</i> , 2016 , 6, 4289-4295	3.7	132
114	Work function engineering derived all-solid-state Z-scheme semiconductor-metal-semiconductor system towards high-efficiency photocatalytic H ₂ evolution. <i>RSC Advances</i> , 2016 , 6, 66783-66787	3.7	24
113	Multifunctional Plasmonic Co-Doped Fe ₂ O ₃ @polydopamine-Au for Adsorption, Photocatalysis, and SERS-based Sensing. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 602-609	3.1	20
112	Fabrication of metallic charge transfer channel between photoanode Ti/Fe ₂ O ₃ and cocatalyst CoOx: an effective strategy for promoting photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16661-16669	13	47
111	Rational Design of ZnFe ₂ O ₄ /In ₂ O ₃ Nanoheterostructures: Efficient Photocatalyst for Gaseous 1,2-Dichlorobenzene Degradation and Mechanistic Insight. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 4554-4562	8.3	70
110	Facile and Controllable Modification of 3D In ₂ O ₃ Microflowers with In ₂ S ₃ Nanoflakes for Efficient Photocatalytic Degradation of Gaseous ortho-Dichlorobenzene. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 19113-19123	3.8	75
109	Inorganic-organic photocatalyst BiPO ₄ /g-C ₃ N ₄ for efficient removal of gaseous toluene under visible light irradiation. <i>Catalysis Communications</i> , 2015 , 69, 109-113	3.2	31
108	Insight into the mechanism of photocatalytic degradation of gaseous o-dichlorobenzene over flower-type V ₂ O ₅ hollow spheres. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15163-15170	13	57
107	Fabrication of Fe ₂ O ₃ /In ₂ O ₃ composite hollow microspheres: A novel hybrid photocatalyst for toluene degradation under visible light. <i>Journal of Colloid and Interface Science</i> , 2015 , 457, 18-26	9.3	58

106	Facile solvothermal synthesis of MnFe ₂ O ₄ hollow nanospheres and their photocatalytic degradation of benzene investigated by in situ FTIR. <i>Catalysis Communications</i> , 2015 , 68, 11-14	3.2	44
105	Photocatalytic degradation of gaseous toluene over bcc-In ₂ O ₃ hollow microspheres. <i>Applied Surface Science</i> , 2015 , 337, 27-32	6.7	21
104	Novel phosphorus doped carbon nitride modified TiO ₂ nanotube arrays with improved photoelectrochemical performance. <i>Nanoscale</i> , 2015 , 7, 16282-9	7.7	76
103	Quantum-sized BiVO ₄ modified TiO ₂ microflower composite heterostructures: efficient production of hydroxyl radicals towards visible light-driven degradation of gaseous toluene. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 21655-21663	13	66
102	Visible-light driven generation of reactive radicals over BiFeO ₃ /TiO ₂ nanotube array: experimental evidence and energetic mechanism. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	8
101	Photocatalytic degradation of gaseous toluene with multiphase Ti(x)Zr(1-x)O ₂ synthesized via co-precipitation route. <i>Journal of Colloid and Interface Science</i> , 2015 , 438, 1-6	9.3	20
100	Structure sensitivity of selective catalytic reduction of NO with propylene over Cu-doped Ti _{0.5} Zr _{0.5} O ₂ catalysts. <i>Applied Catalysis B: Environmental</i> , 2015 , 165, 519-528	21.8	16
99	Electrochemical Synthesis of Cu ₃ (BTC) ₂ -MOF for Selective Catalytic Reduction of NO with NH ₃ . <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2015 , 31, 2366-2374	3.8	5
98	Vacuum-assisted impregnation derived Bi ₂ O ₃ /TiO ₂ nanotube arrays with enhanced photoelectrochemical activity. <i>Materials Letters</i> , 2015 , 158, 104-107	3.3	5
97	Synthesis of novel Zn _{0.5} Mg _{0.5} Fe ₂ O ₄ @TiO ₂ nanotube arrays with enhanced photoelectrocatalytic properties. <i>RSC Advances</i> , 2015 , 5, 51308-51317	3.7	9
96	Construction of Mn _{0.5} Zn _{0.5} Fe ₂ O ₄ modified TiO ₂ nanotube array nanocomposite electrodes and their photoelectrocatalytic performance in the degradation of 2,4-DCP. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 6025-6034	7.1	38
95	Ultrasensitive quantum dot fluorescence quenching assay for selective detection of mercury ions in drinking water. <i>Scientific Reports</i> , 2014 , 4, 5624	4.9	73
94	A novel CuTi-containing catalyst derived from hydrotalcite-like compounds for selective catalytic reduction of NO with C ₃ H ₆ under lean-burn conditions. <i>Journal of Catalysis</i> , 2014 , 309, 268-279	7.3	57
93	BiFeO ₃ /TiO ₂ nanotube arrays composite electrode: construction, characterization, and enhanced photoelectrochemical properties. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 671-9	9.5	135
92	A novel approach to synthesize ultras-small Cu doped Zn-In-Se nanocrystal emitters in a colloidal system. <i>Nanoscale</i> , 2014 , 6, 3403-9	7.7	17
91	L-cysteine-modified gold nanostars for SERS-based copper ions detection in aqueous media. <i>Langmuir</i> , 2014 , 30, 13491-7	4	51
90	Synthesis of CdSe Quantum-Dots-Sensitized TiO ₂ Nanocomposites with Visible-Light Photocatalytic Activity. <i>Advanced Materials Research</i> , 2014 , 924, 3-9	0.5	1
89	Facile synthesis and characterizations of copper-zinc-10,15,20-tetra(4-pyridyl) porphyrin (Cu-ZnTPyP) coordination polymer with hexagonal micro-lump and micro-prism morphologies. <i>Journal of Colloid and Interface Science</i> , 2014 , 432, 229-35	9.3	8

88	Preparation of CuInS ₂ /TiO ₂ nanotube heterojunction arrays electrode and investigation of its photoelectrochemical properties. <i>Materials Research Bulletin</i> , 2014 , 59, 227-233	5.1	14
87	2D Porous graphitic C ₃ N ₄ nanosheets/Ag ₃ PO ₄ nanocomposites for enhanced visible-light photocatalytic degradation of 4-chlorophenol. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	22
86	Novel V ₂ O ₅ /BiVO ₄ /TiO ₂ Nanocomposites with High Visible-Light-Induced Photocatalytic Activity for the Degradation of Toluene. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 10113-10121	3.8	153
85	Fabrication of n-type CuInS ₂ modified TiO ₂ nanotube arrays heterostructure photoelectrode with enhanced photoelectrocatalytic properties. <i>Applied Catalysis B: Environmental</i> , 2014 , 156-157, 362-370	21.8	55
84	Combined Spectroscopic and Theoretical Approach to Sulfur-Poisoning on Cu-Supported Ti _{0.7} Zr _{0.3} Mixed Oxide Catalyst in the Selective Catalytic Reduction of NO _x . <i>ACS Catalysis</i> , 2014 , 4, 2426-2436	13.1	33
83	Efficient photocatalytic reduction of aqueous Cr(VI) over flower-like SnIn ₄ S ₈ microspheres under visible light illumination. <i>Journal of Hazardous Materials</i> , 2013 , 244-245, 681-8	12.8	85
82	The selective catalytic reduction of NO with propene over Cu-supported Ti _{0.7} Fe _{0.3} mixed oxide catalysts: Promotional effect of ceria. <i>Journal of Molecular Catalysis A</i> , 2013 , 378, 115-123		38
81	Photocatalytic performances and activities of Ag-doped CuFe ₂ O ₄ nanoparticles. <i>Materials Research Bulletin</i> , 2013 , 48, 2927-2932	5.1	31
80	Effect of surface Lewis acidity on selective catalytic reduction of NO by C ₃ H ₆ over calcined hydrotalcite. <i>Applied Catalysis A: General</i> , 2013 , 451, 176-183	5.1	49
79	Photocatalytic performances and activities in Ag-doped ZnAl ₂ O ₄ nanorods studied by FTIR spectroscopy. <i>Catalysis Science and Technology</i> , 2013 , 3, 788-796	5.5	23
78	Preparation and characterization of Ni-Ti-O mixed oxide for selective catalytic reduction of NO under lean-burn conditions. <i>Chinese Journal of Catalysis</i> , 2013 , 34, 1449-1455	11.3	6
77	Facile preparation of sphere-like copper ferrite nanostructures and their enhanced visible-light-induced photocatalytic conversion of benzene. <i>Materials Research Bulletin</i> , 2013 , 48, 4216-4222	5.1	39
76	One-pot synthesis of MgFe ₂ O ₄ nanospheres by solvothermal method. <i>Materials Letters</i> , 2013 , 96, 85-88	3.3	65
75	Fabrication of Ag/Ag ₃ PO ₄ /TiO ₂ heterostructure photoelectrodes for efficient decomposition of 2-chlorophenol under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9060	13	138
74	Fabrication, characterization, and photocatalytic property of Fe ₂ O ₃ /graphene oxide composite. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	19
73	ZnFe ₂ O ₄ multi-porous microbricks/graphene hybrid photocatalyst: Facile synthesis, improved activity and photocatalytic mechanism. <i>Applied Catalysis B: Environmental</i> , 2013 , 142-143, 80-88	21.8	142
72	Insight into the mechanism of selective catalytic reduction of NO(x) by propene over the Cu/Ti _{0.7} Zr _{0.3} O ₂ catalyst by Fourier transform infrared spectroscopy and density functional theory calculations. <i>Environmental Science & Technology</i> , 2013 , 47, 4528-35	10.3	30
71	Photocatalytic degradation of gaseous toluene over TiO ₂ /BiO ₂ composite nanotubes synthesized by sol-gel with template technique. <i>Materials Research Bulletin</i> , 2012 , 47, 279-284	5.1	2

70	Photocatalytic degradation of gaseous toluene over hollow spindle-like Fe_2O_3 loaded with Ag. <i>Materials Research Bulletin</i> , 2012 , 47, 1459-1466	5.1	18
69	Synthesis and photo activity of flower-like anatase TiO_2 with {001} facets exposed. <i>Materials Letters</i> , 2012 , 66, 308-310	3.3	10
68	Shape-controlled fabrication of the porous Co_3O_4 nanoflower clusters for efficient catalytic oxidation of gaseous toluene. <i>Journal of Hazardous Materials</i> , 2012 , 209-210, 385-91	12.8	125
67	Monodisperse $\text{Ca}_{0.15}\text{Fe}_{2.85}\text{O}_4$ microspheres: facile preparation, characterization, and optical properties. <i>Journal of Materials Science</i> , 2012 , 47, 3320-3326	4.3	5
66	Effect of zirconium on the structure and activity of $\text{Cu}/\text{Ti}_1\text{Zr}_x\text{O}_2$ catalysts for selective catalytic reduction of NO with C_3H_6 . <i>Catalysis Science and Technology</i> , 2012 , 2, 1711	5.5	11
65	In situ capture of active species and oxidation mechanism of RhB and MB dyes over sunlight-driven Ag/Ag $_3\text{PO}_4$ plasmonic nanocatalyst. <i>Applied Catalysis B: Environmental</i> , 2012 , 125, 538-545	21.8	120
64	Fabrication and surface photovoltage study of hematite microparticles with hollow spindle-shaped structure. <i>Applied Surface Science</i> , 2012 , 258, 7099-7104	6.7	12
63	Effects of hydrothermal annealing on characteristics of CuInS_2 thin films by SILAR method. <i>Applied Surface Science</i> , 2012 , 258, 7465-7469	6.7	13
62	Synthesis of $\text{LaVO}_4/\text{TiO}_2$ heterojunction nanotubes by sol-gel coupled with hydrothermal method for photocatalytic air purification. <i>Journal of Colloid and Interface Science</i> , 2012 , 383, 13-8	9.3	22
61	Photocatalytic performances and activities of ZnAl_2O_4 nanorods loaded with Ag towards toluene. <i>Chemical Engineering Journal</i> , 2012 , 203, 43-51	14.7	23
60	Enhanced visible-light induced degradation of benzene on Mg-ferrite/hematite/PANI nanospheres: in situ FTIR investigation. <i>Journal of Hazardous Materials</i> , 2012 , 241-242, 472-7	12.8	30
59	Role of hydroxyl radicals and mechanism of Escherichia coli inactivation on Ag/AgBr/ TiO_2 nanotube array electrode under visible light irradiation. <i>Environmental Science & Technology</i> , 2012 , 46, 4042-50	10.3	209
58	A facile and highly sensitive probe for Hg(II) based on metal-induced aggregation of ZnSe/ZnS quantum dots. <i>Nanoscale</i> , 2012 , 4, 4996-5001	7.7	57
57	Surface photovoltage property of magnesium ferrite/hematite heterostructured hollow nanospheres prepared with one-pot strategy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 403, 35-40	5.1	21
56	CuO Supported Ce-Ti Mixed Oxides for Low-Temperature SCR of NO with Propene. <i>Advanced Materials Research</i> , 2012 , 518-523, 2456-2459	0.5	1
55	Synthesis and photoinduced charge-transfer properties of a ZnFe_2O_4 -sensitized TiO_2 nanotube array electrode. <i>Langmuir</i> , 2011 , 27, 3113-20	4	100
54	Uniform Fe_2O_3 nanotubes fabricated for adsorption and photocatalytic oxidation of naphthalene. <i>Materials Chemistry and Physics</i> , 2011 , 129, 683-687	4.4	21
53	Preparation and hydrothermal annealing of pure metastable MnS thin films by chemical bath deposition (CBD). <i>Materials Research Bulletin</i> , 2011 , 46, 483-486	5.1	20

52	Facile synthesis and characterization of ZnFe ₂ O ₄ /Fe ₂ O ₃ composite hollow nanospheres. <i>Materials Research Bulletin</i> , 2011 , 46, 2235-2239	5.1	14
51	Facile solution synthesis and characterization of porous cubic-shaped superstructure of ZnAl ₂ O ₄ . <i>Materials Letters</i> , 2011 , 65, 194-197	3.3	32
50	In-situ synthesis of Ag/SBA-15 nanocomposites by the pH-adjusting method. <i>Materials Letters</i> , 2011 , 65, 1892-1895	3.3	34
49	Low temperature CO oxidation over Ag/SBA-15 nanocomposites prepared via in-situ pH-adjusting method. <i>Catalysis Communications</i> , 2011 , 16, 11-14	3.2	35
48	One-step synthesis of flower-like Ag/AgCl/BiOCl composite with enhanced visible-light photocatalytic activity. <i>Catalysis Communications</i> , 2011 , 16, 229-233	3.2	109
47	Capability of novel ZnFeO nanotube arrays for visible-light induced degradation of 4-chlorophenol. <i>Chemosphere</i> , 2011 , 82, 581-6	8.4	83
46	Photocatalytic degradation of gaseous toluene over Ag-doping TiO ₂ nanotube powder prepared by anodization coupled with impregnation method. <i>Chemosphere</i> , 2011 , 83, 674-9	8.4	77
45	Surface photovoltage properties and photocatalytic activities of nanocrystalline CoFe ₂ O ₄ particles with porous superstructure fabricated by a modified chemical coprecipitation method. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 2147-2155	2.3	33
44	Efficient visible light-induced photoelectrocatalytic degradation of rhodamine B by polyaniline-sensitized TiO ₂ nanotube arrays. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 6813-6820	2.3	43
43	Synthesis and optical property of one-dimensional spinel ZnMn ₂ O ₄ nanorods. <i>Nanoscale Research Letters</i> , 2011 , 6, 323	5	87
42	Copper-ion exchanged Ti-pillared clays for selective catalytic reduction of NO by propylene. <i>Chemical Engineering Journal</i> , 2011 , 168, 1128-1133	14.7	20
41	TiO ₂ nanotube/Ag/AgBr three-component nanojunction for efficient photoconversion. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18067		85
40	TPD and TPSR studies of formaldehyde adsorption and surface reaction activity over Ag/MCM-41 catalysts. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 379, 136-142	5.1	24
39	FT-IR study of the photocatalytic degradation of gaseous toluene over UV-irradiated TiO ₂ microballs: enhanced performance by hydrothermal treatment in alkaline solution. <i>Applied Surface Science</i> , 2011 , 257, 4709-4714	6.7	26
38	Photocatalytic degradation of gaseous toluene over ZnAl ₂ O ₄ prepared by different methods: a comparative study. <i>Journal of Hazardous Materials</i> , 2011 , 186, 2089-96	12.8	96
37	A general, one-step and template-free synthesis of sphere-like zinc ferrite nanostructures with enhanced photocatalytic activity for dye degradation. <i>Journal of Colloid and Interface Science</i> , 2011 , 358, 102-8	9.3	217
36	The NiAl mixed oxides: The relation between basicity and SO ₂ removal capacity. <i>Separation and Purification Technology</i> , 2011 , 80, 345-350	8.3	28
35	New Photocatalyst Electrodes and Their Photocatalytic Degradation Properties of Organics. <i>Current Organic Chemistry</i> , 2010 , 14, 709-727	1.7	4

34	Electrochemically assisted photocatalytic degradation of 4-chlorophenol by ZnFe ₂ O ₄ -modified TiO ₂ nanotube array electrode under visible light irradiation. <i>Environmental Science & Technology</i> , 2010 , 44, 5098-103	10.3	163
33	Size- and photoelectric characteristics-dependent formaldehyde sensitivity of ZnO irradiated with UV light. <i>Sensors and Actuators B: Chemical</i> , 2010 , 148, 66-73	8.5	47
32	Facile synthesis of ZnO/Zn ₂ TiO ₄ core/shell nanowires for photocatalytic oxidation of acetone. <i>Journal of Hazardous Materials</i> , 2010 , 184, 864-868	12.8	30
31	FTIR study of the photocatalytic degradation of gaseous benzene over UV-irradiated TiO ₂ nanoballs synthesized by hydrothermal treatment in alkaline solution. <i>Materials Research Bulletin</i> , 2010 , 45, 1889-1893	5.1	16
30	Facile solution synthesis and characterization of CaCO ₃ microspheres with urchin-shaped structure. <i>Materials Letters</i> , 2010 , 64, 71-73	3.3	16
29	Electrochemical Method for Synthesis of a ZnFe ₂ O ₄ /TiO ₂ Composite Nanotube Array Modified Electrode with Enhanced Photoelectrochemical Activity. <i>Advanced Functional Materials</i> , 2010 , 20, 2165-2174	15.6	278
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25	Synthesis, structures and photocatalytic properties of a mononuclear copper complex with pyridine-carboxylato ligands. <i>Inorganic Chemistry Communication</i> , 2010 , 13, 526-528	3.1	14
24	High-efficient photooxidative degradation of dyes catalyzed by hetero-nuclear complex under light irradiation. <i>Inorganic Chemistry Communication</i> , 2010 , 13, 1527-1529	3.1	5
23	Photo-oxidation of gas-phase cyclohexane species over nanostructured TiO ₂ fabricated by different strategies. <i>Separation and Purification Technology</i> , 2009 , 67, 326-330	8.3	8
22	Ultraviolet-assisted gas sensing: A potential formaldehyde detection approach at room temperature based on zinc oxide nanorods. <i>Sensors and Actuators B: Chemical</i> , 2009 , 136, 80-85	8.5	114
21	Study of magnetic properties of ZnO nanoparticles codoped with Co and Cu. <i>Journal of Nanoparticle Research</i> , 2009 , 11, 615-621	2.3	27
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14	The characteristic of photoelectric gas sensing to oxygen and water based on ZnO nanoribbons at room temperature. <i>Applied Surface Science</i> , 2008 , 254, 2856-2860	6.7	11
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12	Size- and Orientation-Dependent Photovoltaic Properties of ZnO Nanorods. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 17136-17145	3.8	102
11	Surface photovoltage study of photogenerated charges in ZnO nanorods array grown on ITO. <i>Chemical Physics Letters</i> , 2007 , 434, 96-100	2.5	69
10	Preparation of PVP/MEH-PPV composite polymer fibers by electrospinning and study of their photoelectronic character. <i>Materials Letters</i> , 2007 , 61, 2159-2163	3.3	28
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8	The electronic and optoelectronic properties study of N,N-dimethylperylene-3,4,9,10-dicarboximide/ITO film using surface photovoltage technique. <i>Materials Chemistry and Physics</i> , 2006 , 100, 230-235	4.4	2
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5	Influence of adsorbed oxygen on the surface photovoltage and photoluminescence of ZnO nanorods. <i>Nanotechnology</i> , 2006 , 17, 2110-2115	3.4	52
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