Zhongbiao Wu

List of Publications by Year
in descending order

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282	20,418	7565 78	13621 131
papers	citations	h-index	g-index

285	285	285	16330
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient synthesis of polymeric g-C3N4 layered materials as novel efficient visible light driven photocatalysts. Journal of Materials Chemistry, 2011, 21, 15171.	6.7	965
2	Ceria modified MnOx/TiO2 as a superior catalyst for NO reduction with NH3 at low-temperature. Catalysis Communications, 2008, 9, 2217-2220.	3.4	565
3	An Advanced Semimetalâ€“Organic Bi Spheresâ€“g-C₃N₄ Nanohybrid with SPR-Enhanced Visible-Light Photocatalytic Performance for NO Purification. Environmental Science & Technology, 2015, 49, 12432-12440.	10.5	487
4	DRIFT Study of Manganese/Titania-Based Catalysts for Low-Temperature Selective Catalytic Reduction of NO with NH₃. Environmental Science & Technology, 2007, 41, 5812-5817.	10.5	468
5	Enhancement of the Visible Light Photocatalytic Activity of C-Doped TiO₂ Nanomaterials Prepared by a Green Synthetic Approach. Journal of Physical Chemistry C, 2011, 115, 13285-13292.	3.3	373
6	The role of cerium in the improved SO2 tolerance for NO reduction with NH3 over Mn-Ce/TiO2 catalyst at low temperature. Applied Catalysis B: Environmental, 2014, 148-149, 582-588.	20.7	343
7	Room temperature synthesis and highly enhanced visible light photocatalytic activity of porous BiOI/BiOCl composites nanoplates microflowers. Journal of Hazardous Materials, 2012, 219-220, 26-34.	12.6	340
8	Effect of ceria doping on SO2 resistance of Mn/TiO2 for selective catalytic reduction of NO with NH3 at low temperature. Catalysis Communications, 2009, 10, 935-939.	3.4	326
9	Catalytic Oxidation of Chlorobenzene over Mn_xCe_{1â€“x}O₂/HZSM-5 Catalysts: A Study with Practical Implications. Environmental Science & Technology, 2017, 51, 8057-8066.	10.5	307
10	The enhanced performance of ceria with surface sulfation for selective catalytic reduction of NO by NH3. Catalysis Communications, 2010, 12, 310-313.	3.4	304
11	A semimetal bismuth element as a direct plasmonic photocatalyst. Chemical Communications, 2014, 50, 10386-10389.	4.2	288
12	Low-temperature selective catalytic reduction of NO with NH3 over MnCe oxides supported on TiO2 and Al2O3: A comparative study. Chemosphere, 2010, 78, 1160-1166.	8.4	281
13	Facile transformation of low cost thiourea into nitrogen-rich graphitic carbon nitride nanocatalyst with high visible light photocatalytic performance. Catalysis Science and Technology, 2012, 2, 1332.	4.2	261
14	Manganeseâ€“niobium mixed oxide catalyst for the selective catalytic reduction of NOx with NH3 at low temperatures. Chemical Engineering Journal, 2014, 250, 390-398.	13.0	250
15	Characterization and photocatalytic activities of C, N and S co-doped TiO₂with 1D nanostructure prepared by the nano-confinement effect. Nanotechnology, 2008, 19, 365607.	2.7	249
16	Low-temperature selective catalytic reduction of NO on MnO /TiO2 prepared by different methods. Journal of Hazardous Materials, 2009, 162, 1249-1254.	12.6	239
17	DRIFT Studies on the Selectivity Promotion Mechanism of Ca-Modified Ce-Mn/TiO₂ Catalysts for Low-Temperature NO Reduction with NH₃. Journal of Physical Chemistry C, 2012, 116, 16582-16592.	3.3	233
18	Decorating g-C3N4 with alkalinized Ti3C2 MXene for promoted photocatalytic CO2 reduction performance. Journal of Colloid and Interface Science, 2020, 564, 406-417.	9.6	232

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19	Bi Cocatalyst/Bi₂MoO₆ Microspheres Nanohybrid with SPR-Promoted Visible-Light Photocatalysis. Journal of Physical Chemistry C, 2016, 120, 11889-11898.	3.3	226
20	Novel in Situ N-Doped (BiO)₂CO₃ Hierarchical Microspheres Self-Assembled by Nanosheets as Efficient and Durable Visible Light Driven Photocatalyst. Langmuir, 2012, 28, 766-773.	3.7	224
21	Effect of transition metals addition on the catalyst of manganese/titania for low-temperature selective catalytic reduction of nitric oxide with ammonia. Applied Catalysis B: Environmental, 2008, 79, 347-355.	20.7	221
22	Highly Efficient Performance and Conversion Pathway of Photocatalytic NO Oxidation on SrO-Clusters@Amorphous Carbon Nitride. Environmental Science & Technology, 2017, 51, 10682-10690.	10.5	210
23	A Simple Two-Step Template Approach for Preparing Carbon-Doped Mesoporous TiO₂ Hollow Microspheres. Journal of Physical Chemistry C, 2009, 113, 13317-13324.	3.3	200
24	Unraveling the Mechanisms of Visible Light Photocatalytic NO Purification on Earth-Abundant Insulator-Based Coreâ€“Shell Heterojunctions. Environmental Science & Technology, 2018, 52, 1479-1487.	10.5	199
25	The fabrication and characterization of novel carbon doped TiO₂nanotubes, nanowires and nanorods with high visible light photocatalytic activity. Nanotechnology, 2009, 20, 235701.	2.7	190
26	Mechanism study on catalytic oxidation of chlorobenzene over Mn x Ce 1-x O 2 /H-ZSM5 catalysts under dry and humid conditions. Applied Catalysis B: Environmental, 2016, 198, 389-397.	20.7	184
27	Mechanism Study of NO Catalytic Oxidation over MnO_x/TiO₂ Catalysts. Journal of Physical Chemistry C, 2011, 115, 8214-8220.	3.3	182
28	Experimental study on a low-temperature SCR catalyst based on MnOx/TiO2 prepared by solâ€“gel method. Journal of Hazardous Materials, 2007, 145, 488-494.	12.6	181
29	Facets and defects cooperatively promote visible light plasmonic photocatalysis with Bi nanowires@BiOCl nanosheets. Journal of Catalysis, 2016, 344, 401-410.	6.5	177
30	Promoting effect of calcium doping on the performances of MnOx/TiO2 catalysts for NO reduction with NH3 at low temperature. Applied Catalysis B: Environmental, 2013, 129, 30-38.	20.7	174
31	Probing ring-opening pathways for efficient photocatalytic toluene decomposition. Journal of Materials Chemistry A, 2019, 7, 3366-3374.	10.5	172
32	Core/Shell Face-Centered Tetragonal FePd/Pd Nanoparticles as an Efficient Non-Pt Catalyst for the Oxygen Reduction Reaction. ACS Nano, 2015, 9, 11014-11022.	15.3	169
33	Catalytic Oxidation of Chlorinated Organics over Lanthanide Perovskites: Effects of Phosphoric Acid Etching and Water Vapor on Chlorine Desorption Behavior. Environmental Science & Technology, 2019, 53, 884-893.	10.5	169
34	Efficient and Durable Visible Light Photocatalytic Performance of Porous Carbon Nitride Nanosheets for Air Purification. Industrial & Engineering Chemistry Research, 2014, 53, 2318-2330.	3.8	164
35	Rose-like monodisperse bismuth subcarbonate hierarchical hollow microspheres: One-pot template-free fabrication and excellent visible light photocatalytic activity and photochemical stability for NO removal in indoor air. Journal of Hazardous Materials, 2011, 195, 346-354.	12.6	151
36	Template-free fabrication and growth mechanism of uniform (BiO)2CO3 hierarchical hollow microspheres with outstanding photocatalytic activities under both UV and visible light irradiation. Journal of Materials Chemistry, 2011, 21, 12428.	6.7	144

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37	Relationship between SO2 poisoning effects and reaction temperature for selective catalytic reduction of NO over Mnâ€“Ce/TiO2 catalyst. Catalysis Today, 2010, 153, 84-89.	4.9	141
38	Activation of amorphous bismuth oxide via plasmonic Bi metal for efficient visible-light photocatalysis. Journal of Catalysis, 2017, 352, 102-112.	6.5	141
39	Fe-ions modified mesoporous Bi2WO6 nanosheets with high visible light photocatalytic activity. Journal of Colloid and Interface Science, 2012, 369, 373-380.	9.6	140
40	The contribution of rare variation to prostate cancer heritability. Nature Genetics, 2016, 48, 30-35.	20.4	140
41	Photocatalytic oxidation of nitrogen oxides using TiO2 loading on woven glass fabric. Chemosphere, 2007, 66, 185-190.	8.4	138
42	Band structure and visible light photocatalytic activity of multi-type nitrogen doped TiO2 nanoparticles prepared by thermal decomposition. Journal of Hazardous Materials, 2009, 162, 763-770.	12.6	135
43	Enhanced CO2 photocatalytic reduction on alkali-decorated graphitic carbon nitride. Applied Catalysis B: Environmental, 2017, 216, 146-155.	20.7	134
44	Visible light induced electron transfer process over nitrogen doped TiO2 nanocrystals prepared by oxidation of titanium nitride. Journal of Hazardous Materials, 2008, 157, 57-63.	12.6	132
45	Deactivation mechanism of Ce/TiO₂selective catalytic reduction catalysts by the loading of sodium and calcium salts. Catalysis Science and Technology, 2013, 3, 715-722.	4.2	128
46	A theoretic insight into the catalytic activity promotion of CeO2 surfaces by Mn doping. Physical Chemistry Chemical Physics, 2012, 14, 5769.	2.9	126
47	Enhanced CH4 selectivity in CO2 photocatalytic reduction over carbon quantum dots decorated and oxygen doping g-C3N4. Nano Research, 2019, 12, 2749-2759.	10.6	126
48	Synergistic Elimination of NO_x and Chloroaromatics on a Commercial V₂O₅â€“WO₃/TiO₂ Catalyst: Byproduct Analyses and the SO₂ Effect. Environmental Science & Technology, 2019, 53, 12657-12667.	10.5	126
49	DRIFT studies on promotion mechanism of H 3 PW 12 O 40 in selective catalytic reduction of NO with NH 3. Journal of Colloid and Interface Science, 2016, 461, 9-14.	9.6	120
50	Low-temperature catalytic oxidation of toluene over mesoporous MnO â€“CeO2/TiO2 prepared by solâ€“gel method. Catalysis Communications, 2010, 11, 788-791.	3.4	119
51	Structural modification of LaCoO3 perovskite for oxidation reactions: The synergistic effect of Ca2+ and Mg2+ co-substitution on phase formation and catalytic performance. Applied Catalysis B: Environmental, 2015, 172-173, 18-26.	20.7	118
52	MnOx/TiO2 composite nanoxides synthesized by deposition-precipitation method as a superior catalyst for NO oxidation. Journal of Colloid and Interface Science, 2010, 352, 143-148.	9.6	111
53	Alkali Potassium Induced HCl/CO₂ Selectivity Enhancement and Chlorination Reaction Inhibition for Catalytic Oxidation of Chloroaromatics. Environmental Science & Technology, 2018, 52, 6438-6447.	10.5	111
54	Characterization and activity of Pd-modified TiO2 catalysts for photocatalytic oxidation of NO in gas phase. Journal of Hazardous Materials, 2009, 164, 542-548.	12.6	107

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55	Simultaneous absorption of NO and SO2 by FeIIEDTA combined with Na2SO3 solution. Chemical Engineering Journal, 2007, 132, 227-232.	13.0	106
56	BiVO4/3DOM TiO2 nanocomposites: Effect of BiVO4 as highly efficient visible light sensitizer for highly improved visible light photocatalytic activity in the degradation of dye pollutants. Applied Catalysis B: Environmental, 2017, 205, 121-132.	20.7	102
57	Efficient Elimination of Chlorinated Organics on a Phosphoric Acid Modified CeO₂ Catalyst: A Hydrolytic Destruction Route. Environmental Science & Technology, 2019, 53, 12697-12705.	10.5	101
58	In situ decoration of plasmonic Ag nanocrystals on the surface of (BiO)₂CO₃ hierarchical microspheres for enhanced visible light photocatalysis. Dalton Transactions, 2014, 43, 9468-9480.	3.4	99
59	A general method for type I and type II g-C₃N₄/g-C₃N₄ metal-free isotype heterostructures with enhanced visible light photocatalysis. New Journal of Chemistry, 2015, 39, 4737-4744.	2.7	99
60	Catalyst performance and mechanism of catalytic combustion of dichloromethane (CH2Cl2) over Ce doped TiO2. Journal of Colloid and Interface Science, 2016, 463, 233-241.	9.6	98
61	Mechanisms and reaction pathways for simultaneous oxidation of NO and SO2 by ozone determined by in situ IR measurements. Journal of Hazardous Materials, 2014, 274, 376-383.	12.6	97
62	Catalytic oxidation of gas-phase mercury over Co/TiO2 catalysts prepared by solâ€“gel method. Catalysis Communications, 2011, 12, 1291-1294.	3.4	96
63	Active Oxygen Species in La_{n+1}Ni_nO_{3n+1} Layered Perovskites for Catalytic Oxidation of Toluene and Methane. Journal of Physical Chemistry C, 2016, 120, 3259-3266.	3.3	96
64	Preparation of Î±-calcium sulfate hemihydrate from FGD gypsum in K, Mg-containing concentrated CaCl2 solution under mild conditions. Fuel, 2009, 88, 1286-1293.	6.6	95
65	Niobium oxide confined by ceria nanotubes as a novel SCR catalyst with excellent resistance to potassium, phosphorus, and lead. Applied Catalysis B: Environmental, 2018, 231, 299-309.	20.7	91
66	Control of Î±-Calcium Sulfate Hemihydrate Morphology Using Reverse Microemulsions. Langmuir, 2012, 28, 14137-14142.	3.7	90
67	Marked enhancement of photocatalytic activity and photochemical stability of Nâ€“doped TiO2 nanocrystals by Fe3+/Fe2+ surface modification. Journal of Colloid and Interface Science, 2010, 343, 200-208.	9.6	88
68	Enhanced visible light photocatalytic activity of novel Pt/C-doped TiO2/PtCl4 three-component nanojunction system for degradation of toluene in air. Journal of Hazardous Materials, 2011, 187, 509-516.	12.6	86
69	Preparation of alpha-calcium sulfate hemihydrate from FGD gypsum in chloride-free Ca(NO3)2 solution under mild conditions. Fuel, 2016, 174, 235-241.	6.6	85
70	Recent Progress on Photoâ€Electrocatalytic Reduction of Carbon Dioxide. Particle and Particle Systems Characterization, 2018, 35, 1700371.	2.5	85
71	Lanthanide perovskite catalysts for oxidation of chloroaromatics: Secondary pollution and modifications. Journal of Catalysis, 2018, 366, 213-222.	6.5	85
72	Photocatalytic reduction of NO with NH3 using Si-doped TiO2 prepared by hydrothermal method. Journal of Hazardous Materials, 2009, 161, 42-48.	12.6	83

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73	(NH4)2CO3 mediated hydrothermal synthesis of N-doped (BiO)2CO3 hollow nanoplates microspheres as high-performance and durable visible light photocatalyst for air cleaning. Chemical Engineering Journal, 2013, 214, 198-207.	13.0	83
74	In-plasma catalytic degradation of toluene over different MnO 2 polymorphs and study of reaction mechanism. Chinese Journal of Catalysis, 2017, 38, 793-803.	14.6	83
75	Ceria supported on sulfated zirconia as a superacid catalyst for selective catalytic reduction of NO with NH3. Journal of Colloid and Interface Science, 2013, 394, 515-521.	9.6	82
76	A novel hybrid Bi2MoO6-MnO2 catalysts with the superior plasma induced pseudo photocatalytic-catalytic performance for ethyl acetate degradation. Applied Catalysis B: Environmental, 2019, 254, 339-350.	20.7	80
77	Development of a multi-active center catalyst in mediating the catalytic destruction of chloroaromatic pollutants: A combined experimental and theoretical study. Applied Catalysis B: Environmental, 2020, 272, 119015.	20.7	80
78	Construction of Few-Layer Ti₃C₂ MXene and Boron-Doped g-C₃N₄ for Enhanced Photocatalytic CO₂ Reduction. ACS Sustainable Chemistry and Engineering, 2021, 9, 8425-8434.	6.9	80
79	One-pot template-free synthesis, growth mechanism and enhanced photocatalytic activity of monodisperse (BiO)2CO3 hierarchical hollow microspheres self-assembled with single-crystalline nanosheets. CrystEngComm, 2012, 14, 3534.	2.4	79
80	Insight into the enhanced CO2 photocatalytic reduction performance over hollow-structured Bi-decorated g-C3N4 nanohybrid under visible-light irradiation. Journal of CO2 Utilization, 2018, 28, 126-136.	7.0	79
81	Structural effect and reaction mechanism of MnO2 catalysts in the catalytic oxidation of chlorinated aromatics. Chinese Journal of Catalysis, 2019, 40, 638-646.	14.6	79
82	Visible-light CO2 photocatalytic reduction performance of ball-flower-like Bi2WO6 synthesized without organic precursor: Effect of post-calcination and water vapor. Applied Surface Science, 2014, 315, 360-367.	6.3	78
83	Vacancy-defect semiconductor quantum dots induced an S-scheme charge transfer pathway in 0D/2D structures under visible-light irradiation. Applied Catalysis B: Environmental, 2022, 306, 121109.	20.7	78
84	Facile Approach for the Syntheses of Ultrafine TiO₂ Nanocrystallites with Defects and C Heterojunction for Photocatalytic Water Splitting. ACS Sustainable Chemistry and Engineering, 2016, 4, 4314-4320.	6.9	77
85	A convenient synthesis of core-shell Co3O4@ZSM-5 catalysts for the total oxidation of dichloromethane (CH2Cl2). Chemical Engineering Journal, 2020, 387, 123411.	13.0	77
86	A mild one-step method for enhancing optical absorption of amine-functionalized metal-organic frameworks. Applied Catalysis B: Environmental, 2018, 227, 190-197.	20.7	75
87	Enriching CO₂ Activation Sites on Graphitic Carbon Nitride with Simultaneous Introduction of Electronâ€Transfer Promoters for Superior Photocatalytic CO₂â€toâ€Fuel Conversion. Advanced Sustainable Systems, 2017, 1, 1700003.	5.6	73
88	Influences of various Pt dopants over surface platinized TiO2 on the photocatalytic oxidation of nitric oxide. Chemosphere, 2009, 74, 773-778.	8.4	72
89	Deactivation mechanism of PtOx/TiO2 photocatalyst towards the oxidation of NO in gas phase. Journal of Hazardous Materials, 2011, 185, 1053-1058.	12.6	71
90	The characterization of ZnOâ€“anataseâ€“rutile three-component semiconductor and enhanced photocatalytic activity of nitrogen oxides. Journal of Molecular Catalysis A, 2008, 287, 176-181.	4.8	70

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91	Synergistic integration of thermocatalysis and photocatalysis on black defective (BiO)₂CO₃ microspheres. Journal of Materials Chemistry A, 2015, 3, 18466-18474.	10.5	70
92	Selective catalytic reduction of NO over carbon nanotubes supported CeO2. Catalysis Communications, 2011, 14, 1-5.	3.4	69
93	Elimination of chloroaromatic congeners on a commercial V2O5-WO3/TiO2 catalyst: The effect of heavy metal Pb. Journal of Hazardous Materials, 2020, 387, 121705.	12.6	69
94	Novel SCR catalyst with superior alkaline resistance performance: enhanced self-protection originated from modifying protonated titanate nanotubes. Journal of Materials Chemistry A, 2015, 3, 680-690.	10.5	67
95	Interaction between Î±-calcium sulfate hemihydrate and superplasticizer from the point of adsorption characteristics, hydration and hardening process. Cement and Concrete Research, 2010, 40, 253-259.	11.1	66
96	Controlled synthesis, growth mechanism and highly efficient solar photocatalysis of nitrogen-doped bismuth subcarbonate hierarchical nanosheets architectures. Dalton Transactions, 2012, 41, 8270.	3.4	66
97	Novel H₂Ti₁₂O₂₅-Confined CeO₂ Catalyst with Remarkable Resistance to Alkali Poisoning Based on the â€œShell Protection Effectâ€• Journal of Physical Chemistry C, 2011, 115, 17479-17484.	3.3	65
98	Simultaneous Absorption of NO_x and SO₂ Using Magnesia Slurry Combined with Ozone Oxidation. Energy & Fuels, 2015, 29, 3276-3283.	5.2	65
99	Single-Atom Ru-Implanted Metalâ€“Organic Framework/MnO₂ for the Highly Selective Oxidation of NO_x by Plasma Activation. ACS Catalysis, 2020, 10, 10185-10196.	11.7	64
100	Ozone direct oxidation kinetics of Cationic Red X-GRL in aqueous solution. Journal of Hazardous Materials, 2006, 137, 1859-1865.	12.6	61
101	SO₂ Poisoning Structures and the Effects on Pure and Mn Doped CeO₂: A First Principles Investigation. Journal of Physical Chemistry C, 2012, 116, 22930-22937.	3.3	60
102	V₂O₅â€“WO₃/TiO₂ Catalyst for Efficient Synergistic Control of NO_x and Chlorinated Organics: Insights into the Arsenic Effect. Environmental Science & Technology, 2021, 55, 9317-9325.	10.5	60
103	Dehydration behavior of FGD gypsum by simultaneous TG and DSC analysis. Journal of Thermal Analysis and Calorimetry, 2011, 104, 661-669.	3.6	59
104	Supercritical water syntheses of Ce TiO2 nano-catalysts with a strong metal-support interaction for selective catalytic reduction of NO with NH3. Applied Catalysis B: Environmental, 2014, 160-161, 684-691.	20.7	59
105	One-step synthesis of bimetallic Pt-Pd/MCM-41 mesoporous materials with superior catalytic performance for toluene oxidation. Catalysis Communications, 2016, 83, 22-26.	3.4	59
106	The Superior Performance of Solâ€“Gel Made Ceâ€“Oâ€“P Catalyst for Selective Catalytic Reduction of NO with NH₃. Journal of Physical Chemistry C, 2016, 120, 221-229.	3.3	59
107	The superior performance of Nb-modified Cu-Ce-Ti mixed oxides for the selective catalytic reduction of NO with NH3 at low temperature. Applied Catalysis A: General, 2018, 562, 19-27.	4.6	58
108	An anion-exchange strategy for 3D hierarchical (BiO)₂CO₃/amorphous Bi₂S₃ heterostructures with increased solar absorption and enhanced visible light photocatalysis. RSC Advances, 2015, 5, 11714-11723.	3.7	57

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109	Surprisingly advanced CO2 photocatalytic conversion over thiourea derived g-C3N4 with water vapor while introducing 200â€“420 nm UV light. Journal of CO2 Utilization, 2016, 14, 143-151.	7.0	57
110	Enhancement of the visible light photocatalytic performance of C-doped TiO2 by loading with V2O5. Catalysis Communications, 2009, 11, 82-86.	3.4	56
111	Enhanced catalytic activity for selective catalytic reduction of NO over titanium nanotube-confined CeO2 catalyst. Catalysis Communications, 2011, 12, 1042-1045.	3.4	56
112	The impact of CrO loading on reaction behaviors of dichloromethane (DCM) catalytic combustion over Cr-O/HZSM-5 catalysts. Applied Surface Science, 2017, 396, 1026-1033.	6.3	56
113	Facile synthesis of highly active LaCoO3/MgO composite perovskite via simultaneous co-precipitation in supercritical water. Applied Catalysis B: Environmental, 2012, 126, 231-238.	20.7	55
114	Enhanced alkali resistance of CeO2/SO42â^'â€“ZrO2 catalyst in selective catalytic reduction of NOx by ammonia. Catalysis Communications, 2014, 43, 223-226.	3.4	55
115	Unveiling the secondary pollution in the catalytic elimination of chlorinated organics: The formation of dioxins. Chinese Chemical Letters, 2020, 31, 1410-1414.	9.1	53
116	Titania nanotubesâ€”A unique photocatalyst and adsorbent for elemental mercury removal. Catalysis Today, 2011, 175, 202-208.	4.9	52
117	The role and mechanism of triethanolamine in simultaneous absorption of NOx and SO2 by magnesia slurry combined with ozone gas-phase oxidation. Chemical Engineering Journal, 2018, 341, 157-163.	13.0	52
118	Deep Oxidation of NO by a Hybrid System of Plasmaâ€“N-Type Semiconductors: High-Energy Electron-Activated â€œPseudo Photocatalysisâ€•Behavior. Environmental Science & Technology, 2018, 52, 8568-8577.	10.5	52
119	Removal of Mn(II) and Zn(II) ions from flue gas desulfurization wastewater with water-soluble chitosan. Separation and Purification Technology, 2009, 65, 269-274.	8.1	51
120	CeO2 doped anatase TiO2 with exposed (001) high energy facets and its performance in selective catalytic reduction of NO by NH3. Applied Surface Science, 2015, 330, 245-252.	6.3	51
121	Pt quantum dots deposited on N-doped (BiO)₂CO₃: enhanced visible light photocatalytic NO removal and reaction pathway. Catalysis Science and Technology, 2017, 7, 1324-1332.	4.2	51
122	Effect of pH on the Preparation of Î±â€Calcium Sulfate Hemihydrate from FGD Gypsum with the Hydrothermal Method. Journal of the American Ceramic Society, 2008, 91, 3835-3840.	3.8	50
123	Effect of Mg²⁺ Ions on the Nucleation Kinetics of Calcium Sulfate in Concentrated Calcium Chloride Solutions. Industrial & Engineering Chemistry Research, 2010, 49, 5569-5574.	3.8	50
124	Growth rate of Î±-calcium sulfate hemihydrate in Kâ€“Caâ€“Mgâ€“Clâ€“H2O systems at elevated temperature. Journal of Crystal Growth, 2009, 311, 4518-4524.	1.6	49
125	Enhanced extrinsic absorption promotes the visible light photocatalytic activity of wide band-gap (BiO)₂CO₃ hierarchical structure. RSC Advances, 2014, 4, 56307-56312.	3.7	48
126	Relationship between Pd oxidation states on TiO2 and the photocatalytic oxidation behaviors of nitric oxide. Chemosphere, 2009, 77, 264-268.	8.4	47

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127	Influence of Ca doping on MnOx/TiO2 catalysts for low-temperature selective catalytic reduction of NOx by NH3. Catalysis Communications, 2012, 18, 106-109.	3.4	47
128	TiO2-based building materials: Above and beyond traditional applications. Science Bulletin, 2009, 54, 1137-1142.	11.1	46
129	Thermodynamic Preparation Window of Alpha Calcium Sulfate Hemihydrate from Calcium Sulfate Dihydrate in Non-Electrolyte Glycerolâ€“Water Solution under Mild Conditions. Industrial & Engineering Chemistry Research, 2011, 50, 13561-13567.	3.8	46
130	Synthesis of Bi-deficient monolayered Bi₂WO₆ nanosheets with enhanced photocatalytic activity under visible light irradiation. Catalysis Science and Technology, 2019, 9, 1178-1188.	4.2	46
131	Boosting the low-temperature activity and sulfur tolerance of CeZr2O catalysts by antimony addition for the selective catalytic reduction of NO with ammonia. Journal of Colloid and Interface Science, 2019, 546, 152-162.	9.6	46
132	Catalytic Combustion of Dichloromethane over HZSM-5-Supported Typical Transition Metal (Cr, Fe,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	5.3	45
133	The poisoning mechanisms of different zinc species on a ceria-based NH3-SCR catalyst and the co-effects of zinc and gas-phase sulfur/chlorine species. Journal of Colloid and Interface Science, 2020, 566, 153-162.	9.6	45
134	Polyethyleneimine functionalized protonated titanate nanotubes as superior carbon dioxide adsorbents. Journal of Colloid and Interface Science, 2012, 386, 392-397.	9.6	44
135	Controlled synthesis of Auâ€“Fe heterodimer nanoparticles and their conversion into Auâ€“Fe₃O₄heterostructured nanoparticles. Nanoscale, 2016, 8, 17947-17952.	5.8	44
136	Dual resistance to alkali metals and SO₂: vanadium and cerium supported on sulfated zirconia as an efficient catalyst for NH₃-SCR. Catalysis Science and Technology, 2016, 6, 8148-8156.	4.2	44
137	Photocatalytic oxidation of nitric oxide with immobilized titanium dioxide films synthesized by hydrothermal method. Journal of Hazardous Materials, 2008, 151, 17-25.	12.6	43
138	Study of a photocatalytic oxidation and wet absorption combined process for removal of nitrogen oxides. Chemical Engineering Journal, 2008, 144, 221-226.	13.0	42
139	Effect of Supersaturation on Competitive Nucleation of CaSO₄ Phases in a Concentrated CaCl₂ Solution. Crystal Growth and Design, 2012, 12, 1388-1394.	3.2	42
140	Halide ion-mediated growth of single crystalline Fe nanoparticles. Nanoscale, 2014, 6, 4852-4856.	5.8	42
141	Supercritical water syntheses of transition metal-doped CeO2 nano-catalysts for selective catalytic reduction of NO by CO: An in situ diffuse reflectance Fourier transform infrared spectroscopy study. Chinese Journal of Catalysis, 2018, 39, 728-735.	14.6	42
142	Synergetic effect between non-thermal plasma and photocatalytic oxidation on the degradation of gas-phase toluene: Role of ozone. Chinese Journal of Catalysis, 2019, 40, 631-637.	14.6	41
143	In situ valence modification of Pd/NiO nano-catalysts in supercritical water towards toluene oxidation. Catalysis Science and Technology, 2018, 8, 1858-1866.	4.2	39
144	NO Catalytic Oxidation Behaviors over CoOx/TiO2 Catalysts Synthesized by Solâ€“Gel Method. Catalysis Letters, 2010, 134, 295-302.	2.7	38

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145	Influences of pH value in deposition-precipitation synthesis process on Pt-doped TiO2 catalysts for photocatalytic oxidation of NO. Journal of Environmental Sciences, 2012, 24, 1519-1524.	6.3	38
146	Nonlattice Cation-SO₄^{2â€“} Ion Pairs in Calcium Sulfate Hemihydrate Nucleation. Crystal Growth and Design, 2013, 13, 5128-5134.	3.2	38
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