

Zhongbiao Wu

List of Publications by Year in descending order

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282
papers

20,418
citations

7565

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131
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285
all docs

285
docs citations

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times ranked

16330
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface-Phosphorylated Ceria for Chlorine-Tolerance Catalysis. <i>Environmental Science & Technology</i> , 2024, 58, 1369-1377.	10.5	7
2	High-Efficiency Electrocatalytic Reduction of N ₂ O with Single-Atom Cu Supported on Nitrogen-Doped Carbon. <i>Environmental Science & Technology</i> , 2024, 58, 8976-8987.	10.5	2
3	Unveiling the Function of Oxygen Vacancy on Facet-Dependent CeO ₂ for the Catalytic Destruction of Monochloromethane: Guidance for Industrial Catalyst Design. <i>Environmental Science & Technology</i> , 2024, 58, 8086-8095.	10.5	2
4	Ag/AgBr-oxygen enriched g-C ₃ N ₄ for efficient photocatalytic degradation of trimethylamine. <i>RSC Advances</i> , 2024, 14, 14068-14079.	3.7	1
5	Efficient Photocatalytic CH ₃ NH ₂ Degradation by Regulating Surface Acidic Sites and the Crystalline Phase of H ₂ Ti ₃ O ₇ /TiO ₂ Nanotubes. <i>Industrial & Engineering Chemistry Research</i> , 2024, 63, 9751-9760.	3.8	0
6	IrSn Bimetallic Clusters Confined in MFI Zeolites for CO Selective Catalytic Reduction of NO _x in the Presence of Excess O ₂ . <i>Environmental Science & Technology</i> , 2024, 58, 11812-11821.	10.5	0
7	Reversed Charge Transfer Enables Dual Active Sites on Ir/hBN for Synergistic N ₂ O Valorization and Propane Selective Oxidation. <i>ACS Catalysis</i> , 2024, 14, 13520-13530.	11.7	0
8	Ru-based monolithic catalysts for the catalytic oxidation of chlorinated volatile organic compounds. <i>RSC Advances</i> , 2023, 13, 7037-7044.	3.7	1
9	Rational Design of a Novel Core-Shell Cu-ZSM-5@Ru/S-1 Tandem Catalyst for the Catalytic Combustion of Dichloromethane. <i>ACS ES&T Engineering</i> , 2023, 3, 1013-1021.	7.8	5
10	Polymerization State of Vanadyl Species Affects the Catalytic Activity and Arsenic Resistance of the V ₂ O ₅ -WO ₃ /TiO ₂ Catalyst in Multipollutant Control of NO _x and Chlorinated Aromatics. <i>Environmental Science & Technology</i> , 2023, 57, 7590-7598.	10.5	11
11	Adsorption characteristics of dichloromethane-ethyl acetate/toluene vapor on a hypercrosslinked polystyrene adsorbent. <i>RSC Advances</i> , 2023, 13, 15165-15173.	3.7	0
12	Insight into the Mechanism of Selective Catalytic Reduction of NO by CO over a Bimetallic IrRu/ZSM-5 Catalyst in the Absence/Presence of O ₂ by Isotopic C ¹³ O Tracing Methods. <i>Environmental Science & Technology</i> , 2023, 57, 9105-9114.	10.5	11
13	Defect Engineering in 0D/2D S-Scheme Heterojunction Photocatalysts for Water Activation: Synergistic Roles of Nickel Doping and Oxygen Vacancy. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 31409-31420.	8.3	4
14	Highly Selective Nitrite Hydrogenation to Ammonia over Iridium Nanoclusters: Competitive Adsorption Mechanism. <i>Environmental Science & Technology</i> , 2023, 57, 14091-14099.	10.5	3
15	Photocatalytic Oxidative Coupling of Methane to Ethane Using Water and Oxygen on Ag ₃ PO ₄ -ZnO. <i>Environmental Science & Technology</i> , 2023, 57, 11531-11540.	10.5	6
16	Simultaneous Generation of Ammonia during Nitrile Waste Gas Purification over a Silver Single-Atom-Doped Ceria Catalyst. <i>Environmental Science & Technology</i> , 2023, 57, 12513-12522.	10.5	1
17	Alkali metal doped crystalline g-C ₃ N ₄ with an enriched cyano group for visible-light photocatalytic degradation of methylamine. <i>RSC Advances</i> , 2023, 13, 31820-31834.	3.7	2
18	A comparative study of the dichloromethane catalytic combustion over ruthenium-based catalysts: Unveiling the roles of acid types in dissociative adsorption and by-products formation. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 537-546.	9.6	30

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19	Simultaneous removal of NO and dichloromethane (CH ₂ Cl ₂) over Nb-loaded cerium nanotubes catalyst. <i>Journal of Environmental Sciences</i> , 2022, 111, 175-184.	6.3	11
20	Structure-activity relationship and the inhibitory effect of sulfur dioxide and water on nitrous oxide formation in selective catalytic reduction of nitrogen oxides by ammonia over hollow Co ₃ O ₄ @CoMn ₂ O ₄ catalyst. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 55-66.	9.6	13
21	Vacancy-defect semiconductor quantum dots induced an S-scheme charge transfer pathway in OD/2D structures under visible-light irradiation. <i>Applied Catalysis B: Environmental</i> , 2022, 306, 121109.	20.7	78
22	Tailoring the simultaneous abatement of methanol and NO _x on Sb ³⁺ Ce ⁴⁺ Zr catalysts via copper modification. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 1.	6.1	7
23	Mechanistic insights into the role of acidity to activity and anti-poisoning over Nb based catalysts for CVOs combustion. <i>Applied Catalysis A: General</i> , 2022, 636, 118581.	4.6	14
24	Differential analysis of the influence mechanism of ultrasonic vibrations on laser cladding. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2022, 38, 16-37.	4.6	18
25	Insight into the Role of Cerium in the Enhanced Performances during Catalytic Combustion of Acetonitrile over Core-shell-like Cu ⁰ /Ce/ZSM-5 Catalysts. <i>ACS ES&T Engineering</i> , 2022, 2, 1709-1721.	7.8	14
26	Selective Ru Adsorption on SnO ₂ /CeO ₂ Mixed Oxides for Efficient Destruction of Multicomponent Volatile Organic Compounds: From Laboratory to Practical Possibility. <i>Environmental Science & Technology</i> , 2022, 56, 9762-9772.	10.5	25
27	Synergistic effect of spatially isolated Ni ₂ P and NiO redox cocatalysts on g-C ₃ N ₄ for sustainably boosted CO ₂ photocatalytic reduction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 15752-15765.	10.5	14
28	Comparative study of Co ₃ O ₄ -ZSM-5 catalysts synthesized by different hydrothermal methods for the catalytic oxidation of dichloromethane. <i>Chinese Chemical Letters</i> , 2021, 32, 1224-1228.	9.1	13
29	Catalytic combustion of acetonitrile over CuCeO _x -HZSM-5 composite catalysts with different mass ratios: The synergism between oxidation and hydrolysis reactions. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 193-203.	9.6	18
30	Unveiling the importance of reactant mass transfer in environmental catalysis: Taking catalytic chlorobenzene oxidation as an example. <i>Chinese Chemical Letters</i> , 2021, 32, 1206-1209.	9.1	27
31	<i>In situ</i> sulfation of Cu/TiO ₂ catalysts for catalytic combustion of dichloromethane. <i>Catalysis Science and Technology</i> , 2021, 11, 2280-2291.	4.2	5
32	Effects of Different Copper Species on the Combustion of Dichloromethane over Cu/HZSM-5 Zeolite Nanoporous Catalysts. <i>ACS Applied Nano Materials</i> , 2021, 4, 1733-1742.	5.2	11
33	Enhanced toluene adsorption/desorption dynamic performances over modified USY zeolites after an aqueous ammonia treatment. <i>RSC Advances</i> , 2021, 11, 32152-32157.	3.7	3
34	Confined Catalysts Application in Environmental Catalysis: Current Research Progress and Future Prospects. <i>ChemCatChem</i> , 2021, 13, 2313-2336.	3.8	31
35	Temperature-Dependent Influencing Mechanism of Carbon Monoxide on the NH ₃ -SCR Process over Ceria-Based Catalysts. <i>ACS ES&T Engineering</i> , 2021, 1, 1131-1139.	7.8	20
36	Reaction Behaviors of NO _x and Methanol Simultaneous Abatement over a Ceria-Based NH ₃ -SCR Catalyst at Low-Medium Temperatures. <i>Journal of Physical Chemistry C</i> , 2021, 125, 14666-14674.	3.3	5

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37	Construction of Few-Layer Ti ₃ C ₂ MXene and Boron-Doped g-C ₃ N ₄ for Enhanced Photocatalytic CO ₂ Reduction. ACS Sustainable Chemistry and Engineering, 2021, 9, 8425-8434.	6.9	80
38	V ₂ O ₅ –WO ₃ /TiO ₂ 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
39	Effect of Cr doping in promoting the catalytic oxidation of dichloromethane (CH ₂ Cl ₂) over Cr-Co@Z catalysts. Journal of Hazardous Materials, 2021, 413, 125327.	12.6	27
40	Synergistic Elimination of NO _x and Chlorinated Organics over VO _x /TiO ₂ Catalysts: A Combined Experimental and DFT Study for Exploring Vanadate Domain Effect. Environmental Science & Technology, 2021, 55, 12862-12870.	10.5	14
41	Synergistic degradation of NO and ethyl acetate by plasma activated “pseudo photocatalysis” on Ce/ZnGa ₂ O ₄ /NH ₂ -UiO-66 catalyst: Restrictive relation and reaction pathways exploration. Chemical Engineering Journal, 2021, 421, 129725.	13.0	12
42	Editorial: Special TRF issue on Sustainable Transport. Transportation Research Part F: Traffic Psychology and Behaviour, 2021, 82, 187-189.	3.8	0
43	Regeneration mechanism of a deactivated zeolite-supported catalyst for the combustion of chlorinated volatile organic compounds. Catalysis Science and Technology, 2021, 11, 923-933.	4.2	21
44	Deactivation effects of Pb(II) and sulfur dioxide on a ³ MnO ₂ catalyst for combustion of chlorobenzene. Journal of Colloid and Interface Science, 2020, 559, 96-104.	9.6	36
45	A convenient synthesis of core-shell Co ₃ O ₄ @ZSM-5 catalysts for the total oxidation of dichloromethane (CH ₂ Cl ₂). Chemical Engineering Journal, 2020, 387, 123411.	13.0	77
46	Decorating g-C ₃ N ₄ with alkalized Ti ₃ C ₂ MXene for promoted photocatalytic CO ₂ reduction performance. Journal of Colloid and Interface Science, 2020, 564, 406-417.	9.6	232
47	Reaction behaviors of CH ₃ CN catalytic combustion over CuCeO -HZSM-5 composite catalysts: The mechanism of enhanced N ₂ selectivity. Applied Catalysis A: General, 2020, 590, 117373.	4.6	33
48	Elimination of chloroaromatic congeners on a commercial V ₂ O ₅ -WO ₃ /TiO ₂ catalyst: The effect of heavy metal Pb. Journal of Hazardous Materials, 2020, 387, 121705.	12.6	69
49	Single-Atom Ru-Implanted Metal-Organic Framework/MnO ₂ for the Highly Selective Oxidation of NO _x by Plasma Activation. ACS Catalysis, 2020, 10, 10185-10196.	11.7	64
50	Wire templated electrodeposition of vessel-like structured chitosan hydrogel by using a pulsed electrical signal. Soft Matter, 2020, 16, 9471-9478.	2.8	17
51	The positive effect of Ca ²⁺ on cryptomelane-type octahedral molecular sieve (K-OMS-2) catalysts for chlorobenzene combustion. Journal of Colloid and Interface Science, 2020, 576, 496-504.	9.6	14
52	Cryopreservation of sperm from farmed Pacific abalone, Haliotis discus hannai. Cryobiology, 2020, 94, 49-56.	1.3	11
53	The poisoning mechanisms of different zinc species on a ceria-based NH ₃ -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
54	Efficient scald-preventing enabled by robust polyester fabrics with hot water repellency and water impalement resistance. Journal of Colloid and Interface Science, 2020, 566, 69-78.	9.6	26

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55	The superior performance of dichloromethane oxidation over Ru doped sulfated TiO ₂ catalysts: synergistic effects of Ru dispersion and acidity. Applied Surface Science, 2020, 515, 145971.	6.3	38
56	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
57	The role of surface sulfation in mediating the acidity and oxidation ability of nickel modified ceria catalyst for the catalytic elimination of chlorinated organics. Journal of Colloid and Interface Science, 2020, 574, 251-259.	9.6	33
58	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
59	The numerical simulation of a new double swirl static mixer for gas reactants mixing. Chinese Journal of Chemical Engineering, 2020, 28, 2438-2446.	3.5	22
60	Ozone-assisted catalytic oxidation of aqueous nitrite ions on HZSM-5 zeolites. Scientific Reports, 2019, 9, 14322.	3.4	5
61	Effect of Water Layer in a Microreactor on the Low-Temperature Synthesis of High-Activity Cu/ZnO Catalysts. Industrial & Engineering Chemistry Research, 2019, 58, 17945-17955.	3.8	1
62	Enhanced CH ₄ selectivity in CO ₂ photocatalytic reduction over carbon quantum dots decorated and oxygen doping g-C ₃ N ₄ . Nano Research, 2019, 12, 2749-2759.	10.6	126
63	Large-scale highly ordered periodic Au nano-discs/graphene and graphene/Au nanoholes plasmonic substrates for surface-enhanced Raman scattering. Nano Research, 2019, 12, 2788-2795.	10.6	16
64	Synergistic Elimination of NO _x and Chloroaromatics on a Commercial V ₂ O ₅ –WO ₃ /TiO ₂ Catalyst: Byproduct Analyses and the SO ₂ Effect. Environmental Science & Technology, 2019, 53, 12657-12667.	10.5	126
65	Efficient Elimination of Chlorinated Organics on a Phosphoric Acid Modified CeO ₂ Catalyst: A Hydrolytic Destruction Route. Environmental Science & Technology, 2019, 53, 12697-12705.	10.5	101
66	Probing ring-opening pathways for efficient photocatalytic toluene decomposition. Journal of Materials Chemistry A, 2019, 7, 3366-3374.	10.5	172
67	Synthesis of Bi-deficient monolayered Bi ₂ WO ₆ nanosheets with enhanced photocatalytic activity under visible light irradiation. Catalysis Science and Technology, 2019, 9, 1178-1188.	4.2	46
68	Enhanced stability of HZSM-5 supported copper oxides by Na doping for catalytic combustion of propene. Catalysis Communications, 2019, 122, 58-62.	3.4	9
69	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
70	Synthesis of γ -Fe ₂ O ₃ /Bi ₂ WO ₆ layered heterojunctions by in situ growth strategy with enhanced visible-light photocatalytic activity. Scientific Reports, 2019, 9, 7551.	3.4	26
71	Structural effect and reaction mechanism of MnO ₂ catalysts in the catalytic oxidation of chlorinated aromatics. Chinese Journal of Catalysis, 2019, 40, 638-646.	14.6	79
72	A novel hybrid Bi ₂ MoO ₆ -MnO ₂ 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

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73	Boosting the low-temperature activity and sulfur tolerance of CeZr ₂ O catalysts by antimony addition for the selective catalytic reduction of NO with ammonia. <i>Journal of Colloid and Interface Science</i> , 2019, 546, 152-162.	9.6	46
74	Multi-fidelity deep neural networks for adaptive inference in the internet of multimedia things. <i>Future Generation Computer Systems</i> , 2019, 97, 355-360.	8.0	8
75	Efficient Degradation of Gas-Phase Toluene by Ozone-Assisted Photocatalytic Oxidation on TiO ₂ /Graphene Composites. <i>Catalysis Letters</i> , 2019, 149, 2739-2748.	2.7	4
76	Enhanced CO ₂ photocatalytic reduction performance on alkali and alkaline earth metal ion-exchanged hydrogen titanate nanotubes. <i>Applied Surface Science</i> , 2019, 463, 456-462.	6.3	29
77	High-performance Cu/ZnO catalysts prepared using a three-channel microreactor. <i>Applied Catalysis A: General</i> , 2019, 570, 192-199.	4.6	16
78	Ce O P material supported CeO ₂ catalysts: A novel catalyst for selective catalytic reduction of NO with NH ₃ at low temperature. <i>Applied Surface Science</i> , 2019, 467-468, 439-445.	6.3	32
79	Catalytic Oxidation of Chlorinated Organics over Lanthanide Perovskites: Effects of Phosphoric Acid Etching and Water Vapor on Chlorine Desorption Behavior. <i>Environmental Science & Technology</i> , 2019, 53, 884-893.	10.5	169
80	<i>In situ</i> valence modification of Pd/NiO nano-catalysts in supercritical water towards toluene oxidation. <i>Catalysis Science and Technology</i> , 2018, 8, 1858-1866.	4.2	39
81	Supercritical water syntheses of transition metal-doped CeO ₂ nano-catalysts for selective catalytic reduction of NO by CO: An <i>in situ</i> diffuse reflectance Fourier transform infrared spectroscopy study. <i>Chinese Journal of Catalysis</i> , 2018, 39, 728-735.	14.6	42
82	Recent Progress on Photoelectrocatalytic Reduction of Carbon Dioxide. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700371.	2.5	85
83	Laboratory Study on Mercury Release of the Gypsum from the Mercury Coremoval Wet Flue Gas Desulfurization System with Additives. <i>Energy & Fuels</i> , 2018, 32, 1005-1011.	5.2	11
84	The promoting effect of CeO ₂ @Ce-O-P multi-core@shell structure on SO ₂ tolerance for selective catalytic reduction of NO with NH ₃ at low temperature. <i>Applied Surface Science</i> , 2018, 442, 156-163.	6.3	36
85	Unraveling the Mechanisms of Visible Light Photocatalytic NO Purification on Earth-Abundant Insulator-Based Core-Shell Heterojunctions. <i>Environmental Science & Technology</i> , 2018, 52, 1479-1487.	10.5	199
86	A mild one-step method for enhancing optical absorption of amine-functionalized metal-organic frameworks. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 190-197.	20.7	75
87	Alkali Potassium Induced HCl/CO ₂ Selectivity Enhancement and Chlorination Reaction Inhibition for Catalytic Oxidation of Chloroaromatics. <i>Environmental Science & Technology</i> , 2018, 52, 6438-6447.	10.5	111
88	The role and mechanism of triethanolamine in simultaneous absorption of NO _x and SO ₂ by magnesia slurry combined with ozone gas-phase oxidation. <i>Chemical Engineering Journal</i> , 2018, 341, 157-163.	13.0	52
89	Niobium oxide confined by ceria nanotubes as a novel SCR catalyst with excellent resistance to potassium, phosphorus, and lead. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 299-309.	20.7	91
90	Insight into the enhanced CO ₂ photocatalytic reduction performance over hollow-structured Bi-decorated g-C ₃ N ₄ nanohybrid under visible-light irradiation. <i>Journal of CO₂ Utilization</i> , 2018, 28, 126-136.	7.0	79

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91	Superior NO _x photocatalytic removal over hybrid hierarchical Bi/BiOI with high non-NO ₂ selectivity: synergistic effect of oxygen vacancies and bismuth nanoparticles. <i>Catalysis Science and Technology</i> , 2018, 8, 5270-5279.	4.2	33
92	A dual-functional way for regenerating NH ₃ -SCR catalysts while enhancing their poisoning resistance. <i>Catalysis Communications</i> , 2018, 117, 69-73.	3.4	21
93	Enhanced dual resistance to alkali metal and phosphate poisoning: Mo modifying vanadium-titanate nanotubes SCR catalyst. <i>Applied Catalysis A: General</i> , 2018, 561, 68-77.	4.6	32
94	The superior performance of Nb-modified Cu-Ce-Ti mixed oxides for the selective catalytic reduction of NO with NH ₃ at low temperature. <i>Applied Catalysis A: General</i> , 2018, 562, 19-27.	4.6	58
95	One-step synthesized SO ₄ ²⁻ -TiO ₂ with exposed (001) facets and its application in selective catalytic reduction of NO by NH ₃ . <i>Chinese Journal of Catalysis</i> , 2018, 39, 771-778.	14.6	10
96	Deep Oxidation of NO by a Hybrid System of Plasma- <i>n</i> -Type Semiconductors: High-Energy Electron-Activated "Pseudo Photocatalysis" Behavior. <i>Environmental Science & Technology</i> , 2018, 52, 8568-8577.	10.5	52
97	The synergetic effect of UV rays on the decomposition of xylene in dielectric barrier discharge plasma and photocatalyst process. <i>EPJ Applied Physics</i> , 2018, 81, 20801.	0.8	0
98	An ultrafast approach for the syntheses of defective nanosized lanthanide perovskites for catalytic toluene oxidation. <i>Catalysis Science and Technology</i> , 2018, 8, 4364-4372.	4.2	34
99	Correction to Catalytic Oxidation of Chlorobenzene over Mn _x Ce _{1-x} O ₂ /HZSM-5 Catalysts: A Study with Practical Implications. <i>Environmental Science & Technology</i> , 2018, 52, 8986-8986.	10.5	8
100	Lanthanide perovskite catalysts for oxidation of chloroaromatics: Secondary pollution and modifications. <i>Journal of Catalysis</i> , 2018, 366, 213-222.	6.5	85
101	The impact of CrO loading on reaction behaviors of dichloromethane (DCM) catalytic combustion over Cr-O/HZSM-5 catalysts. <i>Applied Surface Science</i> , 2017, 396, 1026-1033.	6.3	56
102	Analysis of coalescence behavior for compressed droplets. <i>Applied Surface Science</i> , 2017, 397, 57-69.	6.3	9
103	Pt quantum dots deposited on N-doped (BiO) ₂ CO ₃ : enhanced visible light photocatalytic NO removal and reaction pathway. <i>Catalysis Science and Technology</i> , 2017, 7, 1324-1332.	4.2	51
104	Catalytic Oxidation of Chlorobenzene over Mn _x Ce _{1-x} O ₂ /HZSM-5 Catalysts: A Study with Practical Implications. <i>Environmental Science & Technology</i> , 2017, 51, 8057-8066.	10.5	307
105	Enhanced CO ₂ photocatalytic reduction on alkali-decorated graphitic carbon nitride. <i>Applied Catalysis B: Environmental</i> , 2017, 216, 146-155.	20.7	134
106	In-plasma catalytic degradation of toluene over different MnO ₂ polymorphs and study of reaction mechanism. <i>Chinese Journal of Catalysis</i> , 2017, 38, 793-803.	14.6	83
107	Activation of amorphous bismuth oxide via plasmonic Bi metal for efficient visible-light photocatalysis. <i>Journal of Catalysis</i> , 2017, 352, 102-112.	6.5	141
108	Enriching CO ₂ Activation Sites on Graphitic Carbon Nitride with Simultaneous Introduction of Electron-Transfer Promoters for Superior Photocatalytic CO ₂ "Fuel Conversion". <i>Advanced Sustainable Systems</i> , 2017, 1, 1700003.	5.6	73

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109	Uniformly active phase loaded selective catalytic reduction catalysts (V ₂ O ₅ /TNTs) with superior alkaline resistance performance. <i>Journal of Hazardous Materials</i> , 2017, 324, 507-515.	12.6	19
110	Design strategies for SCR catalysts with improved N ₂ selectivity: the significance of nano-confining effects by titanate nanotubes. <i>Environmental Science: Nano</i> , 2017, 4, 437-447.	4.2	36
111	BiVO ₄ /3DOM TiO ₂ nanocomposites: Effect of BiVO ₄ as highly efficient visible light sensitizer for highly improved visible light photocatalytic activity in the degradation of dye pollutants. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 121-132.	20.7	102
112	Thermocatalytic syntheses of highly defective hybrid nano-catalysts for photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23766-23775.	10.5	22
113	Highly Efficient Performance and Conversion Pathway of Photocatalytic NO Oxidation on SrO-Clusters@Amorphous Carbon Nitride. <i>Environmental Science & Technology</i> , 2017, 51, 10682-10690.	10.5	210
114	One-step synthesis of bimetallic Pt-Pd/MCM-41 mesoporous materials with superior catalytic performance for toluene oxidation. <i>Catalysis Communications</i> , 2016, 83, 22-26.	3.4	59
115	Surprisingly advanced CO ₂ photocatalytic conversion over thiourea derived g-C ₃ N ₄ with water vapor while introducing 200-420 nm UV light. <i>Journal of CO₂ Utilization</i> , 2016, 14, 143-151.	7.0	57
116	Controlled synthesis of Au-Fe heterodimer nanoparticles and their conversion into Au ₃ O ₄ heterostructured nanoparticles. <i>Nanoscale</i> , 2016, 8, 17947-17952.	5.8	44
117	Dual resistance to alkali metals and SO ₂ : vanadium and cerium supported on sulfated zirconia as an efficient catalyst for NH ₃ -SCR. <i>Catalysis Science and Technology</i> , 2016, 6, 8148-8156.	4.2	44
118	Iridium(III) hydrido complexes for the catalytic dehydrogenation of hydrazine borane. <i>Dalton Transactions</i> , 2016, 45, 17697-17704.	3.4	14
119	Mechanism study on catalytic oxidation of chlorobenzene over Mn _x Ce _{1-x} O ₂ /H-ZSM5 catalysts under dry and humid conditions. <i>Applied Catalysis B: Environmental</i> , 2016, 198, 389-397.	20.7	184
120	Impacts of Structure of CeO ₂ /TiO ₂ Mixed Oxides Catalysts on Their Performances for Catalytic Combustion of Dichloromethane. <i>Catalysis Letters</i> , 2016, 146, 1591-1599.	2.7	8
121	Rapid syntheses of ultrafine LaMnO ₃ nano-crystallites with superior activity for catalytic oxidation of toluene. <i>Catalysis Communications</i> , 2016, 84, 167-170.	3.4	30
122	Catalytic Combustion of Dichloromethane over HZSM-5-Supported Typical Transition Metal (Cr, Fe, Ti) Nanoparticles. <i>Journal of Catalysis</i> , 2016, 344, 401-410.	8.3	45
123	Facets and defects cooperatively promote visible light plasmonic photocatalysis with Bi nanowires@BiOCl nanosheets. <i>Journal of Catalysis</i> , 2016, 344, 401-410.	6.5	177
124	Facile Approach for the Syntheses of Ultrafine TiO ₂ Nanocrystallites with Defects and C Heterojunction for Photocatalytic Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4314-4320.	6.9	77
125	Bi Cocatalyst/Bi ₂ MoO ₆ Microspheres Nanohybrid with SPR-Promoted Visible-Light Photocatalysis. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11889-11898.	3.3	226
126	Design Strategies for a Denitrification Catalyst with Improved Resistance against Alkali Poisoning: The Significance of Nanoconfining Spaces and Acid-Base Balance. <i>ChemCatChem</i> , 2016, 8, 787-797.	3.8	16

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127	Numerical simulation of NO_2 absorption using sodium sulfite in a spray tower. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 994-1003.	3.1	11
128	The contribution of rare variation to prostate cancer heritability. <i>Nature Genetics</i> , 2016, 48, 30-35.	20.4	140
129	DRIFT studies on promotion mechanism of H ₃ PW 12 O ₄₀ in selective catalytic reduction of NO with NH ₃ . <i>Journal of Colloid and Interface Science</i> , 2016, 461, 9-14.	9.6	120
130	The Superior Performance of Sol-Gel Made Ce ^{IV} -P Catalyst for Selective Catalytic Reduction of NO with NH ₃ . <i>Journal of Physical Chemistry C</i> , 2016, 120, 221-229.	3.3	59
131	Preparation of alpha-calcium sulfate hemihydrate from FGD gypsum in chloride-free Ca(NO ₃) ₂ solution under mild conditions. <i>Fuel</i> , 2016, 174, 235-241.	6.6	85
132	Active Oxygen Species in La ⁿ⁺¹ Ni ⁿ O _{3n+1} Layered Perovskites for Catalytic Oxidation of Toluene and Methane. <i>Journal of Physical Chemistry C</i> , 2016, 120, 3259-3266.	3.3	96
133	Catalyst performance and mechanism of catalytic combustion of dichloromethane (CH ₂ Cl ₂) over Ce doped TiO ₂ . <i>Journal of Colloid and Interface Science</i> , 2016, 463, 233-241.	9.6	98
134	Technology assessment of plasma arc reforming for greenhouse gas mitigation: a simulation study applied to a coal to liquids process. <i>Journal of Cleaner Production</i> , 2016, 112, 1097-1105.	9.5	9
135	Numerical evaluation of the effectiveness of NO ₂ and N ₂ O ₅ generation during the NO ozonation process. <i>Journal of Environmental Sciences</i> , 2016, 41, 51-58.	6.3	36
136	Effective Way to Control the Performance of a Ceria-Based DeNO _x Catalyst with Improved Alkali Resistance: Acid-Base Adjusting. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15077-15084.	3.3	25
137	Structural modification of LaCoO ₃ perovskite for oxidation reactions: The synergistic effect of Ca ²⁺ and Mg ²⁺ co-substitution on phase formation and catalytic performance. <i>Applied Catalysis B: Environmental</i> , 2015, 172-173, 18-26.	20.7	118
138	CeO ₂ doped anatase TiO ₂ with exposed (001) high energy facets and its performance in selective catalytic reduction of NO by NH ₃ . <i>Applied Surface Science</i> , 2015, 330, 245-252.	6.3	51
139	An anion-exchange strategy for 3D hierarchical (BiO) ₂ CO ₃ /amorphous Bi ₂ S ₃ heterostructures with increased solar absorption and enhanced visible light photocatalysis. <i>RSC Advances</i> , 2015, 5, 11714-11723.	3.7	57
140	Synergistic integration of thermocatalysis and photocatalysis on black defective (BiO) ₂ CO ₃ microspheres. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18466-18474.	10.5	70
141	Novel SCR catalyst with superior alkaline resistance performance: enhanced self-protection originated from modifying protonated titanate nanotubes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 680-690.	10.5	67
142	Transformation pathways from calcium sulfite to α -calcium sulfate hemihydrate in concentrated CaCl ₂ solutions. <i>Fuel</i> , 2015, 150, 602-608.	6.6	14
143	Simultaneous Absorption of NO _x and SO ₂ Using Magnesia Slurry Combined with Ozone Oxidation. <i>Energy & Fuels</i> , 2015, 29, 3276-3283.	5.2	65
144	CePO ₄ Catalyst for Elemental Mercury Removal in Simulated Coal-Fired Flue Gas. <i>Energy & Fuels</i> , 2015, 29, 3359-3365.	5.2	20

#	ARTICLE	IF	CITATIONS
145	Controlled synthesis of monodisperse $\hat{\text{I}}\pm$ -calcium sulfate hemihydrate nanoellipsoids with a porous structure. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 11509-11515.	2.9	20
146	Mercury Re-emission Behaviors in Magnesium-Based Wet Flue Gas Desulfurization Process: The Effects of Oxidation Inhibitors. <i>Energy & Fuels</i> , 2015, 29, 2610-2615.	5.2	8
147	A general method for type I and type II $\text{g-C}_{3}\text{N}_{4}/\text{g-C}_{3}\text{N}_{4}$ metal-free isotype heterostructures with enhanced visible light photocatalysis. <i>New Journal of Chemistry</i> , 2015, 39, 4737-4744.	2.7	99
148	An Advanced Semimetal-Organic Bi Spheres $\text{g-C}_{3}\text{N}_{4}$ Nanohybrid with SPR-Enhanced Visible-Light Photocatalytic Performance for NO Purification. <i>Environmental Science & Technology</i> , 2015, 49, 12432-12440.	10.5	487
149	Enhanced CO_2 adsorptive performance of PEI/SBA-15 adsorbent using phosphate ester based surfactants as additives. <i>Journal of Environmental Sciences</i> , 2015, 38, 1-7.	6.3	15
150	Core/Shell Face-Centered Tetragonal FePd/Pd Nanoparticles as an Efficient Non-Pt Catalyst for the Oxygen Reduction Reaction. <i>ACS Nano</i> , 2015, 9, 11014-11022.	15.3	169
151	Catalytic Combustion of Low Concentration Methane over Catalysts Prepared from Co/Mg-Mn Layered Double Hydroxides. <i>Journal of Chemistry</i> , 2014, 2014, 1-6.	2.0	5
152	SO_2 Poisoning Behaviors of Ca-Mn/TiO ₂ Catalysts for Selective Catalytic Reduction of NO with NH ₃ at Low Temperature. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-6.	2.8	10
153	Study of mercury re-emission in a simulated WFGD solution containing thiocyanate and sulfide ions. <i>Fuel</i> , 2014, 134, 588-594.	6.6	16
154	Halide ion-mediated growth of single crystalline Fe nanoparticles. <i>Nanoscale</i> , 2014, 6, 4852-4856.	5.8	42
155	The role of cerium in the improved SO_2 tolerance for NO reduction with NH ₃ over Mn-Ce/TiO ₂ catalyst at low temperature. <i>Applied Catalysis B: Environmental</i> , 2014, 148-149, 582-588.	20.7	343
156	Enhanced alkali resistance of CeO ₂ /SO ₄ ²⁻ ZrO ₂ catalyst in selective catalytic reduction of NO _x by ammonia. <i>Catalysis Communications</i> , 2014, 43, 223-226.	3.4	55
157	Supercritical water syntheses of Ce TiO ₂ nano-catalysts with a strong metal-support interaction for selective catalytic reduction of NO with NH ₃ . <i>Applied Catalysis B: Environmental</i> , 2014, 160-161, 684-691.	20.7	59
158	Mercury Re-Emission in Flue Gas Multipollutants Simultaneous Absorption System. <i>Environmental Science & Technology</i> , 2014, 48, 14025-14030.	10.5	35
159	Enhanced extrinsic absorption promotes the visible light photocatalytic activity of wide band-gap (BiO) ₂ CO ₃ hierarchical structure. <i>RSC Advances</i> , 2014, 4, 56307-56312.	3.7	48
160	Synthesis of mesoporous polymeric carbon nitride exhibiting enhanced and durable visible light photocatalytic performance. <i>Science Bulletin</i> , 2014, 59, 688-698.	1.6	33
161	In situ decoration of plasmonic Ag nanocrystals on the surface of (BiO) ₂ CO ₃ hierarchical microspheres for enhanced visible light photocatalysis. <i>Dalton Transactions</i> , 2014, 43, 9468-9480.	3.4	99
162	Visible-light CO_2 photocatalytic reduction performance of ball-flower-like Bi ₂ WO ₆ synthesized without organic precursor: Effect of post-calcination and water vapor. <i>Applied Surface Science</i> , 2014, 315, 360-367.	6.3	78

#	ARTICLE	IF	CITATIONS
163	A semimetal bismuth element as a direct plasmonic photocatalyst. <i>Chemical Communications</i> , 2014, 50, 10386-10389.	4.2	288
164	Cl Species Transformation on CeO ₂ (111) Surface and Its Effects on CVOCs Catalytic Abatement: A First-Principles Investigation. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6758-6766.	3.3	38
165	Manganese–niobium mixed oxide catalyst for the selective catalytic reduction of NO _x with NH ₃ at low temperatures. <i>Chemical Engineering Journal</i> , 2014, 250, 390-398.	13.0	250
166	Influence of pre-added NaOH on the microstructure of Au–CeO ₂ catalyst and its activity for benzene oxidation. <i>Journal of Molecular Catalysis A</i> , 2014, 383-384, 188-193.	4.8	12
167	Efficient and Durable Visible Light Photocatalytic Performance of Porous Carbon Nitride Nanosheets for Air Purification. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 2318-2330.	3.8	164
168	Mechanisms and reaction pathways for simultaneous oxidation of NO and SO ₂ by ozone determined by in situ IR measurements. <i>Journal of Hazardous Materials</i> , 2014, 274, 376-383.	12.6	97
169	Structure–Activity Relationship of Titanate Nanotube-Confined Ceria Catalysts in Selective Catalytic Reduction of NO with Ammonia. <i>Catalysis Letters</i> , 2013, 143, 1312-1318.	2.7	14
170	Nonlattice Cation-SO ₄ ²⁻ Ion Pairs in Calcium Sulfate Hemihydrate Nucleation. <i>Crystal Growth and Design</i> , 2013, 13, 5128-5134.	3.2	38
171	Ceria supported on sulfated zirconia as a superacid catalyst for selective catalytic reduction of NO with NH ₃ . <i>Journal of Colloid and Interface Science</i> , 2013, 394, 515-521.	9.6	82
172	The effects of surface acidity on CO ₂ adsorption over amine functionalized protonated titanate nanotubes. <i>RSC Advances</i> , 2013, 3, 18803.	3.7	28
173	Deactivation mechanism of Ce/TiO ₂ selective catalytic reduction catalysts by the loading of sodium and calcium salts. <i>Catalysis Science and Technology</i> , 2013, 3, 715-722.	4.2	128
174	One-step synthesis of Cl ⁻ -doped Pt(IV)/Bi ₂ WO ₆ with advanced visible-light photocatalytic activity for toluene degradation in air. <i>Journal of Colloid and Interface Science</i> , 2013, 412, 31-38.	9.6	30
175	Synthesis of flower-like, pinon-like and faceted nanoplates (BiO) ₂ CO ₃ micro/nanostructures with morphology-dependent photocatalytic activity. <i>Materials Chemistry and Physics</i> , 2013, 142, 381-386.	4.1	19
176	(NH ₄) ₂ CO ₃ mediated hydrothermal synthesis of N-doped (BiO) ₂ CO ₃ hollow nanoplates microspheres as high-performance and durable visible light photocatalyst for air cleaning. <i>Chemical Engineering Journal</i> , 2013, 214, 198-207.	13.0	83
177	Promoting effect of calcium doping on the performances of MnO _x /TiO ₂ catalysts for NO reduction with NH ₃ at low temperature. <i>Applied Catalysis B: Environmental</i> , 2013, 129, 30-38.	20.7	174
178	Adsorptive Removal of Carbon Dioxide Using Polyethyleneimine Supported on Propanesulfonic-Acid-Functionalized Mesoporous SBA-15. <i>Energy & Fuels</i> , 2013, 27, 5416-5422.	5.2	24
179	Solution-Mediated Transformation Kinetics of Calcium Sulfate Dihydrate to \pm -Calcium Sulfate Hemihydrate in CaCl ₂ Solutions at Elevated Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 17134-17139.	3.8	30
180	Controlled synthesis, growth mechanism and highly efficient solar photocatalysis of nitrogen-doped bismuth subcarbonate hierarchical nanosheets architectures. <i>Dalton Transactions</i> , 2012, 41, 8270.	3.4	66

#	ARTICLE	IF	CITATIONS
181	One-pot template-free synthesis, growth mechanism and enhanced photocatalytic activity of monodisperse (BiO) ₂ CO ₃ hierarchical hollow microspheres self-assembled with single-crystalline nanosheets. <i>CrystEngComm</i> , 2012, 14, 3534.	2.4	79
182	One-Step Hydrothermal Synthesis of Pd-Modified TiO ₂ with High Photocatalytic Activity for Nitric Oxide Oxidation in Gas Phase. <i>Environmental Engineering Science</i> , 2012, 29, 972-978.	1.7	5
183	SO ₂ Poisoning Structures and the Effects on Pure and Mn Doped CeO ₂ : A First Principles Investigation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22930-22937.	3.3	60
184	Control of \pm -Calcium Sulfate Hemihydrate Morphology Using Reverse Microemulsions. <i>Langmuir</i> , 2012, 28, 14137-14142.	3.7	90
185	Mesoporous Metal and Metal Alloy Particles Synthesized by Aerosol-Assisted Confined Growth of Nanocrystals. <i>Angewandte Chemie</i> , 2012, 124, 10698-10702.	2.1	3
186	Mesoporous Metal and Metal Alloy Particles Synthesized by Aerosol-Assisted Confined Growth of Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10546-10550.	14.8	27
187	A theoretic insight into the catalytic activity promotion of CeO ₂ surfaces by Mn doping. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5769.	2.9	126
188	Influences of pH value in deposition-precipitation synthesis process on Pt-doped TiO ₂ catalysts for photocatalytic oxidation of NO. <i>Journal of Environmental Sciences</i> , 2012, 24, 1519-1524.	6.3	38
189	Polyethyleneimine functionalized protonated titanate nanotubes as superior carbon dioxide adsorbents. <i>Journal of Colloid and Interface Science</i> , 2012, 386, 392-397.	9.6	44
190	Facile synthesis of highly active LaCoO ₃ /MgO composite perovskite via simultaneous co-precipitation in supercritical water. <i>Applied Catalysis B: Environmental</i> , 2012, 126, 231-238.	20.7	55
191	Effects of Mg ²⁺ on the bivalent mercury reduction behaviors in simulated wet FGD absorbents. <i>Journal of Hazardous Materials</i> , 2012, 237-238, 256-261.	12.6	2
192	Facile transformation of low cost thiourea into nitrogen-rich graphitic carbon nitride nanocatalyst with high visible light photocatalytic performance. <i>Catalysis Science and Technology</i> , 2012, 2, 1332.	4.2	261
193	Novel in Situ N-Doped (BiO) ₂ CO ₃ Hierarchical Microspheres Self-Assembled by Nanosheets as Efficient and Durable Visible Light Driven Photocatalyst. <i>Langmuir</i> , 2012, 28, 766-773.	3.7	224
194	Effect of Supersaturation on Competitive Nucleation of CaSO ₄ Phases in a Concentrated CaCl ₂ Solution. <i>Crystal Growth and Design</i> , 2012, 12, 1388-1394.	3.2	42
195	DRIFT Studies on the Selectivity Promotion Mechanism of Ca-Modified Ce-Mn/TiO ₂ Catalysts for Low-Temperature NO Reduction with NH ₃ . <i>Journal of Physical Chemistry C</i> , 2012, 116, 16582-16592.	3.3	233
196	Influence of Ca doping on MnOx/TiO ₂ catalysts for low-temperature selective catalytic reduction of NO _x by NH ₃ . <i>Catalysis Communications</i> , 2012, 18, 106-109.	3.4	47
197	Fe-ions modified mesoporous Bi ₂ WO ₆ nanosheets with high visible light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2012, 369, 373-380.	9.6	140
198	Effect of pH value on the microstructure and deNO catalytic performance of titanate nanotubes loaded CeO ₂ . <i>Journal of Colloid and Interface Science</i> , 2012, 377, 131-136.	9.6	37

#	ARTICLE	IF	CITATIONS
199	Room temperature synthesis and highly enhanced visible light photocatalytic activity of porous BiOI/BiOCl composites nanoplates microflowers. <i>Journal of Hazardous Materials</i> , 2012, 219-220, 26-34.	12.6	340
200	Template-free fabrication and growth mechanism of uniform (BiO) ₂ CO ₃ hierarchical hollow microspheres with outstanding photocatalytic activities under both UV and visible light irradiation. <i>Journal of Materials Chemistry</i> , 2011, 21, 12428.	6.7	144
201	Continuous hydrothermal syntheses of highly active composite nanocatalysts. <i>Green Chemistry</i> , 2011, 13, 850.	9.4	14
202	Mechanism Study of NO Catalytic Oxidation over MnO _x /TiO ₂ Catalysts. <i>Journal of Physical Chemistry C</i> , 2011, 115, 8214-8220.	3.3	182
203	Novel H ₂ /TiO ₂ -Confined CeO ₂ Catalyst with Remarkable Resistance to Alkali Poisoning Based on the "Shell Protection Effect". <i>Journal of Physical Chemistry C</i> , 2011, 115, 17479-17484.	3.3	65
204	Conversion of Elemental Mercury with a Novel Membrane Delivery Catalytic Oxidation System (MDCOs). <i>Environmental Science & Technology</i> , 2011, 45, 706-711.	10.5	20
205	Enhancement of the Visible Light Photocatalytic Activity of C-Doped TiO ₂ Nanomaterials Prepared by a Green Synthetic Approach. <i>Journal of Physical Chemistry C</i> , 2011, 115, 13285-13292.	3.3	373
206	Efficient synthesis of polymeric g-C ₃ N ₄ layered materials as novel efficient visible light driven photocatalysts. <i>Journal of Materials Chemistry</i> , 2011, 21, 15171.	6.7	965
207	Thermodynamic Preparation Window of Alpha Calcium Sulfate Hemihydrate from Calcium Sulfate Dihydrate in Non-Electrolyte Glycerol-Water Solution under Mild Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 13561-13567.	3.8	46
208	Enhanced catalytic activity for selective catalytic reduction of NO over titanium nanotube-confined CeO ₂ catalyst. <i>Catalysis Communications</i> , 2011, 12, 1042-1045.	3.4	56
209	Catalytic oxidation of gas-phase mercury over Co/TiO ₂ catalysts prepared by sol-gel method. <i>Catalysis Communications</i> , 2011, 12, 1291-1294.	3.4	96
210	Selective catalytic reduction of NO over carbon nanotubes supported CeO ₂ . <i>Catalysis Communications</i> , 2011, 14, 1-5.	3.4	69
211	F161 ANALYSIS OF THE OPTIMAL STIMULATION TEMPERATURE TO MEASURE HEAT PAIN TOLERANCE. <i>European Journal of Pain Supplements</i> , 2011, 5, 120-120.	0.0	0
212	Preparation of Calcium Sulfate Hemihydrate from Calcium Sulfate Dihydrate in Methanol-Water Solution under Mild Conditions. <i>Journal of the American Ceramic Society</i> , 2011, 94, 3261-3266.	3.8	33
213	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. <i>Journal of Hazardous Materials</i> , 2011, 195, 346-354.	12.6	151
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#	ARTICLE	IF	CITATIONS
217	Dehydration behavior of FGD gypsum by simultaneous TG and DSC analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 661-669.	3.6	59
218	Deactivation mechanism of PtOx/TiO ₂ photocatalyst towards the oxidation of NO in gas phase. <i>Journal of Hazardous Materials</i> , 2011, 185, 1053-1058.	12.6	71
219	In situ variable temperature X-ray diffraction studies on the transformations of nano-precursors to La ³⁺ -Ni ²⁺ O phases. <i>Journal of Solid State Chemistry</i> , 2011, 184, 1688-1694.	3.0	4
220	Direct transformation of calcium sulfite to α -calcium sulfate hemihydrate in a concentrated Ca ²⁺ -Mg ²⁺ -Mn chloride solution under atmospheric pressure. <i>Fuel</i> , 2011, 90, 36-41.	6.6	30
221	A mechanism study of chloride and sulfate effects on Hg ²⁺ reduction in sulfite solution. <i>Fuel</i> , 2011, 90, 2501-2507.	6.6	28
222	Continuous syntheses of highly dispersed composite nanocatalysts via simultaneous co-precipitation in supercritical water. <i>Applied Catalysis B: Environmental</i> , 2011, 103, 453-461.	20.7	35
223	Enhanced visible light photocatalytic activity of novel Pt/C-doped TiO ₂ /PtCl ₄ three-component nanojunction system for degradation of toluene in air. <i>Journal of Hazardous Materials</i> , 2011, 187, 509-516.	12.6	86
224	NO Catalytic Oxidation Behaviors over CoOx/TiO ₂ Catalysts Synthesized by Sol-Gel Method. <i>Catalysis Letters</i> , 2010, 134, 295-302.	2.7	38
225	Calorimetric study of ternary binder of calcium aluminate cement, Portland-limestone cement and FGD gypsum. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 101, 119-127.	3.6	12
226	Marked enhancement of photocatalytic activity and photochemical stability of Na ⁺ -doped TiO ₂ nanocrystals by Fe ³⁺ /Fe ²⁺ surface modification. <i>Journal of Colloid and Interface Science</i> , 2010, 343, 200-208.	9.6	88
227	MnOx/TiO ₂ composite nanoxides synthesized by deposition-precipitation method as a superior catalyst for NO oxidation. <i>Journal of Colloid and Interface Science</i> , 2010, 352, 143-148.	9.6	111
228	Analysis of the relationship between particle size distribution of α -calcium sulfate hemihydrate and compressive strength of set plaster—Using grey model. <i>Powder Technology</i> , 2010, 200, 136-143.	4.3	35
229	Relationship between SO ₂ poisoning effects and reaction temperature for selective catalytic reduction of NO over Mn ²⁺ -Ce/TiO ₂ catalyst. <i>Catalysis Today</i> , 2010, 153, 84-89.	4.9	141
230	Enhanced absorption process of NO ₂ in CaSO ₃ slurry by the addition of MgSO ₄ . <i>Chemical Engineering Journal</i> , 2010, 160, 145-149.	13.0	36
231	Interaction between α -calcium sulfate hemihydrate and superplasticizer from the point of adsorption characteristics, hydration and hardening process. <i>Cement and Concrete Research</i> , 2010, 40, 253-259.	11.1	66
232	Rizobactérias formadoras de endosporos associadas a Tibouchina urvilleana de áreas impactadas por rejeitos da mineração do carvão. <i>Revista Brasileira De Ciencia Do Solo</i> , 2010, 34, 563-567.	1.3	6
233	Effect of Mg ²⁺ Ions on the Nucleation Kinetics of Calcium Sulfate in Concentrated Calcium Chloride Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 5569-5574.	3.8	50
234	Solubility of Calcium Sulfate Dihydrate in Ca ²⁺ -Mg ²⁺ -K Chloride Salt Solution in the Range of (348.15 to) Tj ETQq0 0,0 rgBT /Overlock 10	2.0	21

#	ARTICLE	IF	CITATIONS
235	The enhanced performance of ceria with surface sulfation for selective catalytic reduction of NO by NH ₃ . <i>Catalysis Communications</i> , 2010, 12, 310-313.	3.4	304
236	Low-temperature catalytic oxidation of toluene over mesoporous MnO ₂ /CeO ₂ /TiO ₂ prepared by sol-gel method. <i>Catalysis Communications</i> , 2010, 11, 788-791.	3.4	119
237	Low-temperature selective catalytic reduction of NO with NH ₃ over MnCe oxides supported on TiO ₂ and Al ₂ O ₃ : A comparative study. <i>Chemosphere</i> , 2010, 78, 1160-1166.	8.4	281
238	Calorimetric study of calcium aluminate cement blended with flue gas desulfurization gypsum. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 98, 737-742.	3.6	23
239	Characterization and precipitation mechanism of ½-calcium sulfate hemihydrate growing out of FGD gypsum in salt solution. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 2688-2694.	0.9	18
240	TiO ₂ -based building materials: Above and beyond traditional applications. <i>Science Bulletin</i> , 2009, 54, 1137-1142.	11.1	46
241	Synthesis of immobilized TiO ₂ nanowires by anodic oxidation and their gas phase photocatalytic properties. <i>Electrochemistry Communications</i> , 2009, 11, 1692-1695.	4.8	35
242	Preparation of ½-calcium sulfate hemihydrate from FGD gypsum in K, Mg-containing concentrated CaCl ₂ solution under mild conditions. <i>Fuel</i> , 2009, 88, 1286-1293.	6.6	95
243	Photocatalytic reduction of NO with NH ₃ using Si-doped TiO ₂ prepared by hydrothermal method. <i>Journal of Hazardous Materials</i> , 2009, 161, 42-48.	12.6	83
244	Band structure and visible light photocatalytic activity of multi-type nitrogen doped TiO ₂ nanoparticles prepared by thermal decomposition. <i>Journal of Hazardous Materials</i> , 2009, 162, 763-770.	12.6	135
245	Low-temperature selective catalytic reduction of NO on MnO ₂ /TiO ₂ prepared by different methods. <i>Journal of Hazardous Materials</i> , 2009, 162, 1249-1254.	12.6	239
246	Characterization and activity of Pd-modified TiO ₂ catalysts for photocatalytic oxidation of NO in gas phase. <i>Journal of Hazardous Materials</i> , 2009, 164, 542-548.	12.6	107
247	Effect of filler types and calcination temperature on the microstructure and the nitric oxide photocatalytic activity of composite titanium dioxide films. <i>Journal of Hazardous Materials</i> , 2009, 164, 600-608.	12.6	12
248	Growth rate of ½-calcium sulfate hemihydrate in Ca-Mg-Cl-H ₂ O systems at elevated temperature. <i>Journal of Crystal Growth</i> , 2009, 311, 4518-4524.	1.6	49
249	Removal of Mn(II) and Zn(II) ions from flue gas desulfurization wastewater with water-soluble chitosan. <i>Separation and Purification Technology</i> , 2009, 65, 269-274.	8.1	51
250	Crystallization Routes and Metastability of ½-Calcium Sulfate Hemihydrate in Potassium Chloride Solutions under Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 719-725.	2.0	34
251	Solubility and Phase Transitions of Calcium Sulfate in KCl Solutions between 85 and 100 °C. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 7773-7779.	3.8	24
252	Influences of various Pt dopants over surface platinumized TiO ₂ on the photocatalytic oxidation of nitric oxide. <i>Chemosphere</i> , 2009, 74, 773-778.	8.4	72

#	ARTICLE	IF	CITATIONS
253	Relationship between Pd oxidation states on TiO ₂ and the photocatalytic oxidation behaviors of nitric oxide. <i>Chemosphere</i> , 2009, 77, 264-268.	8.4	47
254	The fabrication and characterization of novel carbon doped TiO ₂ nanotubes, nanowires and nanorods with high visible light photocatalytic activity. <i>Nanotechnology</i> , 2009, 20, 235701.	2.7	190
255	A Simple Two-Step Template Approach for Preparing Carbon-Doped Mesoporous TiO ₂ Hollow Microspheres. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13317-13324.	3.3	200
256	Effect of ceria doping on SO ₂ resistance of Mn/TiO ₂ for selective catalytic reduction of NO with NH ₃ at low temperature. <i>Catalysis Communications</i> , 2009, 10, 935-939.	3.4	326
257	Synthesis of mesoporous TiO ₂ nanorods via a mild template-free sonochemical route and their photocatalytic performances. <i>Catalysis Communications</i> , 2009, 10, 1766-1770.	3.4	36
258	Enhancement of the visible light photocatalytic performance of C-doped TiO ₂ by loading with V ₂ O ₅ . <i>Catalysis Communications</i> , 2009, 11, 82-86.	3.4	56
259	Photocatalytic oxidation of nitric oxide with immobilized titanium dioxide films synthesized by hydrothermal method. <i>Journal of Hazardous Materials</i> , 2008, 151, 17-25.	12.6	43
260	Visible light induced electron transfer process over nitrogen doped TiO ₂ nanocrystals prepared by oxidation of titanium nitride. <i>Journal of Hazardous Materials</i> , 2008, 157, 57-63.	12.6	132
261	Effect of transition metals addition on the catalyst of manganese/titania for low-temperature selective catalytic reduction of nitric oxide with ammonia. <i>Applied Catalysis B: Environmental</i> , 2008, 79, 347-355.	20.7	221
262	Study of a photocatalytic oxidation and wet absorption combined process for removal of nitrogen oxides. <i>Chemical Engineering Journal</i> , 2008, 144, 221-226.	13.0	42
263	The characterization of ZnO anatase-rutile three-component semiconductor and enhanced photocatalytic activity of nitrogen oxides. <i>Journal of Molecular Catalysis A</i> , 2008, 287, 176-181.	4.8	70
264	Effect of pH on the Preparation of Calcium Sulfate Hemihydrate from FGD Gypsum with the Hydrothermal Method. <i>Journal of the American Ceramic Society</i> , 2008, 91, 3835-3840.	3.8	50
265	Characterization and photocatalytic activities of C, N and S co-doped TiO ₂ with 1D nanostructure prepared by the nano-confinement effect. <i>Nanotechnology</i> , 2008, 19, 365607.	2.7	249
266	Ceria modified MnOx/TiO ₂ as a superior catalyst for NO reduction with NH ₃ at low-temperature. <i>Catalysis Communications</i> , 2008, 9, 2217-2220.	3.4	565
267	Gas-phase photocatalytic oxidation of NO over palladium modified TiO ₂ catalysts. <i>Catalysis Communications</i> , 2008, 9, 1941-1944.	3.4	36
268	Photocatalytic oxidation of nitrogen oxides using TiO ₂ loading on woven glass fabric. <i>Chemosphere</i> , 2007, 66, 185-190.	8.4	138
269	DRIFT Study of Manganese/Titania-Based Catalysts for Low-Temperature Selective Catalytic Reduction of NO with NH ₃ . <i>Environmental Science & Technology</i> , 2007, 41, 5812-5817.	10.5	468
270	Optimizing flocculation-sedimentation for regeneration of dual-alkali flue gas desulphurization scrubbing solution. <i>Environmental Progress</i> , 2007, 26, 271-279.	0.8	3

#	ARTICLE	IF	CITATIONS
271	Simultaneous absorption of NO and SO ₂ by Fe(EDTA) combined with Na ₂ SO ₃ solution. Chemical Engineering Journal, 2007, 132, 227-232.	13.0	106
272	Experimental study on a low-temperature SCR catalyst based on MnO _x /TiO ₂ prepared by sol-gel method. Journal of Hazardous Materials, 2007, 145, 488-494.	12.6	181
273	Photocatalytic oxidation of gaseous benzene over nanosized TiO ₂ prepared by solvothermal method. Science Bulletin, 2007, 52, 3061-3067.	1.6	14
274	Ozone direct oxidation kinetics of Cationic Red X-GRL in aqueous solution. Journal of Hazardous Materials, 2006, 137, 1859-1865.	12.6	61
275	UV photodegradation of azo dye Diacryl Red X-GRL. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 171, 97-106.	4.0	22
276	Full-capillary sample stacking/sweeping-MEKC for the separation of naphthalene-2,3-dicarboxaldehyde-derivatized tryptophan and isoleucine. Electrophoresis, 2005, 26, 3495-3499.	2.9	28
277	COMPARATIVE STUDY OF ADEQUACY OF PROTEIN FROM HUMAN MILK AND COW'S MILK IN PROMOTING NITROGEN RETENTION BY NORMAL FULL-TERM INFANTS. Pediatrics, 1960, 26, 51-61.	2.2	23
278	Effects of Ionic Interferents on Electrocatalytic Nitrate Reduction: Mechanistic Insight. Environmental Science & Technology, 0, , .	10.5	1
279	Progress and challenges in nitrous oxide decomposition and valorization. Chemical Society Reviews, 0, , .	40.3	2
280	Dispersed Pr on Nickel Oxide for Efficient Nitrous Oxide Direct Decomposition in Simulated Nitric Acid Exhaust. ACS ES&T Engineering, 0, , .	7.8	0
281	Flower-like Polymorphic MnO _x Constructed by In Situ T Transition with Superior Performance in the Catalytic Ozonation of Dimethyl Sulfide under Humid Conditions. ACS ES&T Engineering, 0, , .	7.8	0
282	Synthesis of Cu@ZnO _{1-x} /Al ₂ O ₃ catalyst with high-density ZnO _{1-x} -Cu interfacial sites for enhanced CO ₂ hydrogenation to methanol. Journal of Materials Chemistry A, 0, , .	10.5	0