Naiqiang Yan

List of Publications by Year
in descending order

137 papers	7,621 citations	44069 48 h-index	58581 82 g-index
137 all docs	137 docs citations	137 times ranked	4685 citing authors

#	Article	IF	Citations
1	Sustained-release of interlayer chloride in iron oxychloride for mercury oxidation from industrial flue gas. Chemical Engineering Journal, 2022, 429, 132502.	12.7	5
2	Surface protection method for the magnetic core using covalent organic framework shells and its application in As(III) depth removal from acid wastewater. Journal of Environmental Sciences, 2022, 115, 1-9.	6.1	8
3	Excellent adsorption performance and capacity of modified layered ITQ-2 zeolites for elemental mercury removal and recycling from flue gas. Journal of Hazardous Materials, 2022, 423, 127118.	12.4	8
4	Enhanced simultaneous absorption of NO and SO2 in oxidation-reduction-absorption process with a compounded system based on Na2SO3. Journal of Environmental Sciences, 2022, 111, 1-10.	6.1	11
5	Fabrication of Cu2S hollow nanocages with enhanced high-temperature adsorption activity and recyclability for elemental mercury capture. Chemical Engineering Journal, 2022, 427, 130935.	12.7	11
6	Selective uptake of gaseous sulfur trioxide and mercury in ZnO-CuS composite at elevated temperatures from SO2-rich flue gas. Chemical Engineering Journal, 2022, 427, 132035.	12.7	11
7	Regulation of the Sulfur Environment in Clusters to Construct a Mnâ€“Sn₂S₆ Framework for Mercury Bonding. Environmental Science & Technology, 2022, 56, 2689-2698.	10.0	20
8	Flower-like Co3O4 Catalysts for Efficient Catalytic Oxidation of Multi-Pollutants from Diesel Exhaust. Catalysts, 2022, 12, 527.	3.5	2
9	Understanding the Water Effect for Selective Catalytic Reduction of NO_{<i>x</i>} with NH₃ over Cu-SSZ-13 Catalysts. ACS ES&T Engineering, 2022, 2, 1684-1696.	7.6	7
10	Tunable Redox Cycle and Enhanced Ï€-Complexation in Acetylene Hydrochlorination over RuCu Catalysts. ACS Catalysis, 2022, 12, 7579-7588.	11.2	10
11	The Unique CO Activation Effects for Boosting NH₃ Selective Catalytic Oxidation over CuO_{<i>x</i>}â€“CeO₂. Environmental Science & Technology, 2022, 56, 10402-10411.	10.0	14
12	Induced adsorption and agglomeration under bipolar corona discharge to enhance the simultaneous removal of trace mercury and fine particles. Fuel, 2022, 326, 125069.	6.4	2
13	Dual-functional Sites for Selective Adsorption of Mercury and Arsenic ions in [SnS4]4-/MgFe-LDH from Wastewater. Journal of Hazardous Materials, 2021, 403, 123940.	12.4	52
14	Radical-Induced Oxidation Removal of Mercury by Ozone Coupled with Bromine. ACS ES&T Engineering, 2021, 1, 110-116.	7.6	5
15	Manganese bridge of mercury and oxygen for elemental mercury capture from industrial flue gas in layered Mn/MCM-22 zeolite. Fuel, 2021, 283, 118973.	6.4	28
16	NO<i>_x</i> Absorption Enhancement and Sulfite Oxidation Inhibition via a Match Strategy in Na₂SO₃ Solution from a Wet Flue Gas Denitration System. ACS ES&T Engineering, 2021, 1, 100-109.	7.6	5
17	Mercury removal from flue gas using UiO-66-type metal-organic frameworks grafted with organic functionalities. Fuel, 2021, 289, 119807.	6.4	19
18	Shell-thickness-induced spontaneous inward migration of mercury in porous ZnO@CuS for gaseous mercury immobilization. Chemical Engineering Journal, 2021, 420, 127592.	12.7	28

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19	Synergistic interaction and mechanistic evaluation of NO oxidation catalysis on Pt/Fe2O3 cubes. Chemical Engineering Journal, 2021, 413, 127447.	12.7	20
20	Bidirectional Progressive Optimization of Carbon and Nitrogen Defects in Solar-Driven Regenerable Adsorbent to Remove UV-Filters from Water. ACS ES&T Engineering, 2021, 1, 456-466.	7.6	29
21	Importance of Hydroxyl Radical Chemistry in Isoprene Suppression of Particle Formation from Î±-Pinene Ozonolysis. ACS Earth and Space Chemistry, 2021, 5, 487-499.	2.7	9
22	Metastable Facet-Controlled Cu₂WS₄ Single Crystals with Enhanced Adsorption Activity for Gaseous Elemental Mercury. Environmental Science & Technology, 2021, 55, 5347-5356.	10.0	20
23	Production of H₂S with a Novel Short-Process for the Removal of Heavy Metals in Acidic Effluents from Smelting Flue-Gas Scrubbing Systems. Environmental Science & Technology, 2021, 55, 3988-3995.	10.0	19
24	Adsorption of Gaseous Mercury for Engineering Optimization: From Macrodynamics to Adsorption Kinetics and Thermodynamics. ACS ES&T Engineering, 2021, 1, 865-873.	7.6	17
25	Seasonal variation of aerosol compositions in Shanghai, China: Insights from particle aerosol mass spectrometer observations. Science of the Total Environment, 2021, 771, 144948.	8.0	17
26	Boosting RuO₂ Surface Reactivity by Cu Active Sites over Ru/Cu-SSZ-13 for Simultaneous Catalytic Oxidation of CO and NH₃. Journal of Physical Chemistry C, 2021, 125, 17031-17041.	3.1	10
27	Heterogeneous Reaction Mechanisms and Functional Materials for Elemental Mercury Removal from Industrial Flue Gas. ACS ES&T Engineering, 2021, 1, 1383-1400.	7.6	27
28	Catalytic performance and mechanistic evaluation of sulfated CeO2 cubes for selective catalytic reduction of NOx with ammonia. Journal of Hazardous Materials, 2021, 420, 126545.	12.4	27
29	Superior Hg0 capture performance and SO2 resistance of Coâ€"Mn binary metal oxide-modified layered MCM-22 zeolite for SO2-containing flue gas. Environmental Science and Pollution Research, 2021, 28, 16447-16457.	5.3	11
30	Review of Sulfur Promotion Effects on Metal Oxide Catalysts for NO_{<i>x</i>} Emission Control. ACS Catalysis, 2021, 11, 13119-13139.	11.2	69
31	Strengthen the Affinity of Element Mercury on the Carbon-Based Material by Adjusting the Coordination Environment of Single-Site Manganese. Environmental Science & Technology, 2021, 55, 14126-14135.	10.0	18
32	Surface nano-traps of Fe0/COFs for arsenic(III) depth removal from wastewater in non-ferrous smelting industry. Chemical Engineering Journal, 2020, 381, 122559.	12.7	62
33	Utilization of Ag nanoparticles anchored in covalent organic frameworks for mercury removal from acidic waste water. Journal of Hazardous Materials, 2020, 389, 121824.	12.4	86
34	Gaseous mercury capture using supported CuSx on layered double hydroxides from SO2-rich flue gas. Chemical Engineering Journal, 2020, 400, 125963.	12.7	34
35	Selective Reductive Removal of Silver Ions from Acidic Solutions by Redox-Active Covalent Organic Frameworks. ACS Applied Materials & Interfaces, 2020, 12, 37619-37627.	8.0	17
36	Zinc concentrate internal circulation technology for elemental mercury recovery from zinc smelting flue gas. Fuel, 2020, 280, 118566.	6.4	21

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37	Stepwise Ions Incorporation Method for Continuously Activating PbS to Recover Mercury from Hg⁰-Rich Flue Gas. Environmental Science & Technology, 2020, 54, 11594-11601.	10.0	25
38	Insight into the interfacial stability and reaction mechanism between gaseous mercury and chalcogen-based sorbents in SO2-containing flue gas. Journal of Colloid and Interface Science, 2020, 577, 503-511.	9.4	21
39	Acceleration of Hg⁰ Adsorption onto Natural Sphalerite by Cu²⁺ Activation during Flotation: Mechanism and Applications in Hg⁰ Recovery. Environmental Science & Technology, 2020, 54, 7687-7696.	10.0	35
40	Reaction mechanism of propane oxidation over Co3O4 nanorods as rivals of platinum catalysts. Chemical Engineering Journal, 2020, 402, 125911.	12.7	45
41	Atomically Dispersed Manganese on a Carbon-Based Material for the Capture of Gaseous Mercury: Mechanisms and Environmental Applications. Environmental Science & Technology, 2020, 54, 5249-5257.	10.0	26
42	Enhancing the catalytic oxidation of elemental mercury and suppressing sulfur-toxic adsorption sites from SO2-containing gas in Mn-SnS2. Journal of Hazardous Materials, 2020, 392, 122230.	12.4	39
43	Alkali-induced deactivation mechanism of V2O5-WO3/TiO2 catalyst during selective catalytic reduction of NO by NH3 in aluminum hydrate calcining flue gas. Applied Catalysis B: Environmental, 2020, 270, 118872.	20.2	53
44	Co-doped ZnS with large adsorption capacity for recovering Hg0 from non-ferrous metal smelting gas as a co-benefit of electrostatic demisters. Environmental Science and Pollution Research, 2020, 27, 20469-20477.	5.3	29
45	A hybrid block consisting of covalent triazine frameworks and GO aerogel with switchable selectivity between adsorption of UV filters and regeneration under sunlight. Chemical Engineering Journal, 2020, 395, 125074.	12.7	19
46	Reconstructed algorithm for scattering coefficient of ambient submicron particles. Environmental Pollution, 2019, 253, 439-448.	7.5	5
47	A sulfur-resistant CuS-modified active coke for mercury removal from municipal solid waste incineration flue gas. Environmental Science and Pollution Research, 2019, 26, 24831-24839.	5.3	26
48	Immobilization of elemental mercury in non-ferrous metal smelting gas using ZnSe1âˆ’xSx nanoparticles. Fuel, 2019, 254, 115641.	6.4	44
49	Surface acidity enhancement of CeO₂ catalysts <i>via</i> modification with a heteropoly acid for the selective catalytic reduction of NO with ammonia. Catalysis Science and Technology, 2019, 9, 5774-5785.	4.1	33
50	Design of Co3O4/CeO2â€“Co3O4 hierarchical binary oxides for the catalytic oxidation of dibromomethane. Journal of Industrial and Engineering Chemistry, 2019, 73, 134-141.	5.8	24
51	One Step Interface Activation of ZnS Using Cupric Ions for Mercury Recovery from Nonferrous Smelting Flue Gas. Environmental Science & Technology, 2019, 53, 4511-4518.	10.0	96
52	Enhancing photocatalytic activity on gas-phase heavy metal oxidation with self-assembled BiOI/BiOCl microflowers. Journal of Colloid and Interface Science, 2019, 546, 32-42.	9.4	73
53	Multiphase Reactions between Secondary Organic Aerosol and Sulfur Dioxide: Kinetics and Contributions to Sulfate Formation and Aerosol Aging. Environmental Science and Technology Letters, 2019, 6, 768-774.	8.7	42
54	Recyclable CuS sorbent with large mercury adsorption capacity in the presence of SO2 from non-ferrous metal smelting flue gas. Fuel, 2019, 235, 847-854.	6.4	139

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55	Study on the regenerable sulfur-resistant sorbent for mercury removal from nonferrous metal smelting flue gas. Fuel, 2019, 241, 451-458.	6.4	60
56	[SnS4]4- clusters modified MgAl-LDH composites for mercury ions removal from acid wastewater. Environmental Pollution, 2019, 247, 146-154.	7.5	21
57	Graphene enhanced Mn-Ce binary metal oxides for catalytic oxidation and adsorption of elemental mercury from coal-fired flue gas. Chemical Engineering Journal, 2019, 358, 1499-1506.	12.7	79
58	Morphology-controlled synthesis and sulfur modification of 3D hierarchical layered double hydroxides for gaseous elemental mercury removal. Journal of Colloid and Interface Science, 2019, 536, 431-439.	9.4	25
59	Ag-Fe3O4@rGO ternary magnetic adsorbent for gaseous elemental mercury removal from coal-fired flue gas. Fuel, 2019, 239, 579-586.	6.4	58
60	Combined effects of Ag and UiO-66 for removal of elemental mercury from flue gas. Chemosphere, 2018, 197, 65-72.	8.2	49
61	Cu-BTC as a novel material for elemental mercury removal from sintering gas. Fuel, 2018, 217, 297-305.	6.4	55
62	Promoting effect of Mn and Ti on the structure and performance of Co 3 O 4 catalysts for oxidation of dibromomethane. Journal of Industrial and Engineering Chemistry, 2018, 57, 208-215.	5.8	10
63	A novel method for the sequential removal and separation of multiple heavy metals from wastewater. Journal of Hazardous Materials, 2018, 342, 617-624.	12.4	143
64	Research of mercury removal from sintering flue gas of iron and steel by the open metal site of Mil-101(Cr). Journal of Hazardous Materials, 2018, 351, 301-307.	12.4	70
65	Design of 3D MnO2/Carbon sphere composite for the catalytic oxidation and adsorption of elemental mercury. Journal of Hazardous Materials, 2018, 342, 69-76.	12.4	100
66	Ordered mesoporous spinel Co3O4 as a promising catalyst for the catalytic oxidation of dibromomethane. Molecular Catalysis, 2018, 461, 60-66.	2.0	31
67	Study on a new wet flue gas desulfurization method based on the Bunsen reaction of sulfur-iodine thermochemical cycle. Fuel, 2017, 195, 33-37.	6.4	30
68	Ag-Mo modified SCR catalyst for a co-beneficial oxidation of elemental mercury at wide temperature range. Fuel, 2017, 200, 236-243.	6.4	38
69	Morphology-dependent properties of Co 3 O 4 /CeO 2 catalysts for low temperature dibromomethane (CH 2 Br 2) oxidation. Chemical Engineering Journal, 2017, 320, 124-134.	12.7	77
70	Mass extinction efficiency and extinction hygroscopicity of ambient PM2.5 in urban China. Environmental Research, 2017, 156, 239-246.	7.5	26
71	Design of MnO2/CeO2-MnO2 hierarchical binary oxides for elemental mercury removal from coal-fired flue gas. Journal of Hazardous Materials, 2017, 333, 186-193.	12.4	73
72	[MoS₄]^{2â€“} Cluster Bridges in Coâ€“Fe Layered Double Hydroxides for Mercury Uptake from Sâ€“Hg Mixed Flue Gas. Environmental Science & Technology, 2017, 51, 10109-10116.	10.0	104

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73	Catalytic oxidation of dibromomethane over Ti-modified Co3O4 catalysts: Structure, activity and mechanism. Journal of Colloid and Interface Science, 2017, 505, 870-883.	9.4	14
74	Gaseous Heterogeneous Catalytic Reactions over Mn-Based Oxides for Environmental Applications: A Critical Review. Environmental Science & Technology, 2017, 51, 8879-8892.	10.0	291
75	Stabilization of mercury over Mn-based oxides: Speciation and reactivity by temperature programmed desorption analysis. Journal of Hazardous Materials, 2017, 321, 745-752.	12.4	58
76	Enhancement of Ce_{1âˆ’x}Sn_xO₂ support in LaMnO₃ for the catalytic oxidation and adsorption of elemental mercury. RSC Advances, 2016, 6, 63559-63567.	3.6	17
77	Chemical characteristics of fine particulate matter emitted from commercial cooking. Frontiers of Environmental Science and Engineering, 2016, 10, 559-568.	6.0	33
78	The performance and mechanism for the catalytic oxidation of dibromomethane (CH₂Br₂) over Co₃O₄/TiO₂ catalysts. RSC Advances, 2016, 6, 31181-31190.	3.6	15
79	Mn-Promoted Co3O4/TiO2 as an efficient catalyst for catalytic oxidation of dibromomethane (CH2Br2). Journal of Hazardous Materials, 2016, 318, 1-8.	12.4	41
80	Mn-based perovskite oxides for Hg0 adsorption and regeneration via a temperature swing adsorption (TSA) process. Fuel, 2016, 182, 428-436.	6.4	25
81	Enhancement of heterogeneous oxidation and adsorption of Hg 0 in a wide temperature window using SnO 2 supported LaMnO 3 perovskite oxide. Chemical Engineering Journal, 2016, 292, 123-129.	12.7	44
82	Elemental mercury (Hg 0) removal over spinel LiMn 2 O 4 from coal-fired flue gas. Chemical Engineering Journal, 2016, 299, 142-149.	12.7	30
83	Novel Effective Catalyst for Elemental Mercury Removal from Coal-Fired Flue Gas and the Mechanism Investigation. Environmental Science & Technology, 2016, 50, 2564-2572.	10.0	64
84	Catalytic oxidation and adsorption of Hg0 over low-temperature NH3-SCR LaMnO3 perovskite oxide from flue gas. Applied Catalysis B: Environmental, 2016, 186, 30-40.	20.2	134
85	Status and characteristics of ambient PM2.5 pollution in global megacities. Environment International, 2016, 89-90, 212-221.	10.0	287
86	An enhancement method for the elemental mercury removal from coal-fired flue gas based on novel discharge activation reactor. Fuel, 2016, 171, 59-64.	6.4	19
87	Size-dependent nanocrystal sorbent for copper removal from water. Chemical Engineering Journal, 2016, 284, 565-570.	12.7	28
88	Novel effect of SO 2 on selective catalytic oxidation of slip ammonia from coal-fired flue gas over IrO 2 modified Ceâ€“Zr solid solution and the mechanism investigation. Fuel, 2016, 166, 179-187.	6.4	62
89	Co-benefit of Ag and Mo for the catalytic oxidation of elemental mercury. Fuel, 2015, 158, 891-897.	6.4	30
90	Î²-Cyclodextrin stabilized magnetic Fe₃S₄ nanoparticles for efficient removal of Pb(<scp>ii</scp>). Journal of Materials Chemistry A, 2015, 3, 15755-15763.	10.3	92

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91	Different crystal-forms of one-dimensional MnO2 nanomaterials for the catalytic oxidation and adsorption of elemental mercury. Journal of Hazardous Materials, 2015, 299, 86-93.	12.4	112
92	The performance and mechanism of Ag-doped CeO₂/TiO₂ catalysts in the catalytic oxidation of gaseous elemental mercury. Catalysis Science and Technology, 2015, 5, 2985-2993.	4.1	24
93	MnO_{<i>x</i>}/Graphene for the Catalytic Oxidation and Adsorption of Elemental Mercury. Environmental Science & Technology, 2015, 49, 6823-6830.	10.0	177
94	Regenerable Ag/graphene sorbent for elemental mercury capture at ambient temperature. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 476, 83-89.	4.7	40
95	Ag-modified AgIâ€“TiO₂ as an excellent and durable catalyst for catalytic oxidation of elemental mercury. RSC Advances, 2015, 5, 30841-30850.	3.6	27
96	Regenerable Sorbent with a High Capacity for Elemental Mercury Removal and Recycling from the Simulated Flue Gas at a Low Temperature. Energy & Fuels, 2015, 29, 6187-6196.	5.1	42
97	The cooperation of FeSn in a MnOx complex sorbent used for capturing elemental mercury. Fuel, 2015, 140, 803-809.	6.4	45
98	Removal of mercury from flue gas from nonferrous metal smelting, by use of mercury chloride solution, and mechanisms of inhibition by sulfur dioxide. Research on Chemical Intermediates, 2015, 41, 5889-5905.	2.7	11
99	Mechanism of the Selective Catalytic Oxidation of Slip Ammonia over Ru-Modified Ceâ€“Zr Complexes Determined by in Situ Diffuse Reflectance Infrared Fourier Transform Spectroscopy. Environmental Science & Technology, 2014, 48, 12199-12205.	10.0	89
100	Ultraeffective ZnS Nanocrystals Sorbent for Mercury(II) Removal Based on Size-Dependent Cation Exchange. ACS Applied Materials & Interfaces, 2014, 6, 18026-18032.	8.0	75
101	The co-benefit of elemental mercury oxidation and slip ammonia abatement with SCR-Plus catalysts. Fuel, 2014, 133, 263-269.	6.4	51
102	Absorption characteristics of elemental mercury in mercury chloride solutions. Journal of Environmental Sciences, 2014, 26, 2257-2265.	6.1	12
103	Competition of selective catalytic reduction and non selective catalytic reduction over MnO_x/TiO₂for NO removal: the relationship between gaseous NO concentration and N₂O selectivity. Catalysis Science and Technology, 2014, 4, 224-232.	4.1	76
104	The performance of Ag doped V₂O₅â€“TiO₂catalyst on the catalytic oxidation of gaseous elemental mercury. Catalysis Science and Technology, 2014, 4, 4036-4044.	4.1	27
105	Investigation on mercury removal method from flue gas in the presence of sulfur dioxide. Journal of Hazardous Materials, 2014, 279, 289-295.	12.4	34
106	Snâ€“Mn binary metal oxides as non-carbon sorbent for mercury removal in a wide-temperature window. Journal of Colloid and Interface Science, 2014, 428, 121-127.	9.4	47
107	CO2 adsorption performance of ZIF-7 and its endurance in flue gas components. Frontiers of Environmental Science and Engineering, 2014, 8, 162-168.	6.0	23
108	Removal of elemental mercury with Mn/Mo/Ru/Al2O3 membrane catalytic system. Frontiers of Environmental Science and Engineering, 2013, 7, 464-473.	6.0	3

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109	Novel regenerable sorbent based on Zrâ€“Mn binary metal oxides for flue gas mercury retention and recovery. Journal of Hazardous Materials, 2013, 261, 206-213.	12.4	97
110	Improvement of the Activity of Î³-Fe₂O₃ for the Selective Catalytic Reduction of NO with NH₃ at High Temperatures: NO Reduction versus NH₃ Oxidization. Industrial & Engineering Chemistry Research, 2013, 52, 5601-5610.	3.7	118
111	Novel effect of SO2 on the SCR reaction over CeO2: Mechanism and significance. Applied Catalysis B: Environmental, 2013, 136-137, 19-28.	20.2	312
112	Substitution of WO₃in V₂O₅/WO₃â€“TiO₂by Fe₂O₃for selective catalytic reduction of NO with NH3. Catalysis Science and Technology, 2013, 3, 161-168.	4.1	90
113	Synthesis and characterization of nano-sized Mnâ€“TiO2 catalysts and their application to removal of gaseous elemental mercury. Research on Chemical Intermediates, 2012, 38, 2511-2522.	2.7	25
114	Conversion of elemental mercury with a novel membrane catalytic system at low temperature. Journal of Hazardous Materials, 2012, 213-214, 62-70.	12.4	45
115	A novel magnetic Feâ€“Tiâ€“V spinel catalyst for the selective catalytic reduction of NO with NH3 in a broad temperature range. Catalysis Science and Technology, 2012, 2, 915.	4.1	53
116	Feâ€“Ti spinel for the selective catalytic reduction of NO with NH3: Mechanism and structureâ€“activity relationship. Applied Catalysis B: Environmental, 2012, 117-118, 73-80.	20.2	178
117	Synthesis, characterization and experimental investigation of Cu-BTC as CO2 adsorbent from flue gas. Journal of Environmental Sciences, 2012, 24, 640-644.	6.1	27
118	Significance of RuO₂ Modified SCR Catalyst for Elemental Mercury Oxidation in Coal-fired Flue Gas. Environmental Science & Technology, 2011, 45, 5725-5730.	10.0	126
119	Nanosized Cation-Deficient Feâˆ’Ti Spinel: A Novel Magnetic Sorbent for Elemental Mercury Capture from Flue Gas. ACS Applied Materials & Interfaces, 2011, 3, 209-217.	8.0	137
120	Gaseous Elemental Mercury Capture from Flue Gas Using Magnetic Nanosized (Fe_{3-<i>x</i>}Mn_{<i>x</i>})_{1-Î´}O₄. Environmental Science & Technology, 2011, 45, 1540-1546.	10.0	161
121	Conversion of Elemental Mercury with a Novel Membrane Delivery Catalytic Oxidation System (MDCOs). Environmental Science & Technology, 2011, 45, 706-711.	10.0	20
122	Elemental Mercury Capture from Flue Gas by Magnetic Mnâ€“Fe Spinel: Effect of Chemical Heterogeneity. Industrial & Engineering Chemistry Research, 2011, 50, 9650-9656.	3.7	111
123	Low temperature selective catalytic reduction of NO with NH3 over Mnâ€“Fe spinel: Performance, mechanism and kinetic study. Applied Catalysis B: Environmental, 2011, 110, 71-80.	20.2	429
124	Remarkable effect of the incorporation of titanium on the catalytic activity and SO2 poisoning resistance of magnetic Mnâ€“Fe spinel for elemental mercury capture. Applied Catalysis B: Environmental, 2011, 101, 698-708.	20.2	167
125	Capture of gaseous elemental mercury from flue gas using a magnetic and sulfur poisoning resistant sorbent Mn/Î³-Fe2O3 at lower temperatures. Journal of Hazardous Materials, 2011, 186, 508-515.	12.4	206
126	The role of iodine monochloride for the oxidation of elemental mercury. Journal of Hazardous Materials, 2010, 183, 132-137.	12.4	27

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127	Catalytic Oxidation of Elemental Mercury over the Modified Catalyst Mn/Î±-Al₂O₃ at Lower Temperatures. Environmental Science & Technology, 2010, 44, 426-431.	10.0	205
128	A novel multi-functional magnetic Feâ€“Tiâ€“V spinel catalyst for elemental mercury capture and callback from flue gas. Chemical Communications, 2010, 46, 8377.	4.1	56
129	Bromine Chloride as an Oxidant to Improve Elemental Mercury Removal from Coal-Fired Flue Gas. Environmental Science & Technology, 2009, 43, 8610-8615.	10.0	52
130	Adsorption and Catalytic Oxidation of Gaseous Elemental Mercury in Flue Gas over MnO_{<i>x</i>}/Alumina. Industrial & Engineering Chemistry Research, 2009, 48, 3317-3322.	3.7	164
131	Removal Characteristics of Hydrogen Sulfide in Biofilters with Fibrous Peat and Resin. , 2008, , .		3
132	Preliminary Study on Oxidation of Elemental Mercury in the Presence of Gaseous Oxidants. , 2008, , .		0
133	Removal of dibenzothiophene from simulated petroleum by integrated Î³-irradiation and Zr/alumina catalyst. Applied Catalysis B: Environmental, 2007, 71, 108-115.	20.2	7
134	Removal of Dibenzothiophene from the Simulated Petroleum by Î³-Irradiation Induced Reaction. Energy & Fuels, 2006, 20, 142-147.	5.1	13
135	Degradation of dodecanethiol in dodecane by Î³-irradiation and improvement by sensitization. Fuel Processing Technology, 2004, 85, 1393-1402.	7.2	5
136	Modeling of formaldehyde destruction under pulsed discharge plasma. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2000, 35, 1951-1964.	1.7	6
137	Buffer effect of MgO on Na2SO3 to stabilize S(IV) for the enhancement in simultaneous absorption of NOx and SO2 from non-ferrous smelting gas. Environmental Science and Pollution Research, 0, , .	5.3	0