

# Yangxian Liu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

124  
papers

4,736  
citations

43  
h-index

63  
g-index

125  
ext. papers

5,886  
ext. citations

7.9  
avg, IF

6.9  
L-index

#	Paper	IF	Citations
124	A thermally activated double oxidants advanced oxidation system for gaseous H <sub>2</sub> S removal: Mechanism and kinetics. <i>Chemical Engineering Journal</i> , <b>2022</b> , 434, 134430	14.7	3
123	Fe <sup>2+</sup> /heat-coactivated PMS oxidation-absorption system for H <sub>2</sub> S removal from gas phase. <i>Separation and Purification Technology</i> , <b>2022</b> , 286, 120458	8.3	2
122	A review on removal of mercury from flue gas utilizing existing air pollutant control devices (APCDs).. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 427, 128132	12.8	4
121	A novel double metal ions-double oxidants coactivation system for NO and SO <sub>2</sub> simultaneous removal. <i>Chemical Engineering Journal</i> , <b>2022</b> , 432, 134398	14.7	4
120	Removal of gaseous H <sub>2</sub> S using microalgae porous carbons synthesized by thermal/microwave KOH activation. <i>Journal of the Energy Institute</i> , <b>2022</b> , 101, 45-55	5.7	1
119	Oxidation Absorption of Hg <sup>0</sup> in the Gas Phase Using a Double CatalyzersDouble Oxidants Coactivation Technology. <i>Energy &amp; Fuels</i> , <b>2022</b> , 36, 2656-2665	4.1	1
118	Oxidative removal of gaseous hydrogen sulfide by a dual ions-dual oxidants coupling activation system. <i>Chemical Engineering Research and Design</i> , <b>2022</b> , 161, 454-465	5.5	
117	Biochars derived from by-products of microalgae pyrolysis for sorption of gaseous H <sub>2</sub> S. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 10, 107370	6.8	0
116	Gaseous Hydrogen Sulfide Removal Using Macroalgae Biochars Modified Synergistically by H <sub>2</sub> SO <sub>4</sub> /H <sub>2</sub> O <sub>2</sub> . <i>Chemical Engineering and Technology</i> , <b>2021</b> , 44, 698-709	2	3
115	Porous Biochars Derived from Microalgae Pyrolysis for CO <sub>2</sub> Adsorption. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 7646-7656	4.1	8
114	Adsorption of elemental mercury in flue gas using biomass porous carbons modified by microwave/hydrogen peroxide. <i>Fuel</i> , <b>2021</b> , 291, 120152	7.1	33
113	Stratified combustion characteristics analysis and assisted-ignition strategy optimization in a natural gas blended diesel Wankel engine. <i>Fuel</i> , <b>2021</b> , 292, 120192	7.1	6
112	Experimental and kinetic study on Hg <sup>0</sup> removal by microwave/hydrogen peroxide modified seaweed-based porous biochars. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 22, 101411	7	10
111	Hg <sup>0</sup> Removal by Straw Biochars Prepared with Clean Microwave/H <sub>2</sub> O <sub>2</sub> Modification. <i>Chemical Engineering and Technology</i> , <b>2021</b> , 44, 1460-1469	2	0
110	A review on arsenic removal from coal combustion: Advances, challenges and opportunities. <i>Chemical Engineering Journal</i> , <b>2021</b> , 414, 128785	14.7	21
109	A Critical Review on Removal of Gaseous Pollutants Using Sulfate Radical-based Advanced Oxidation Technologies. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 9691-9710	10.3	21
108	Experimental Investigation on the Effect of Blending Ethanol on Combustion Characteristic and Idle Performance in a Gasoline Rotary Engine. <i>Journal of Thermal Science</i> , <b>2021</b> , 30, 1187-1198	1.9	1

107	Review on Removal of SO <sub>2</sub> , NO <sub>x</sub> , Mercury, and Arsenic from Flue Gas Using Green Oxidation Absorption Technology. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 9775-9794	4.1	11
106	Photocatalytic, electrocatalytic and photoelectrocatalytic conversion of carbon dioxide: a review. <i>Environmental Chemistry Letters</i> , <b>2021</b> , 19, 941-967	13.3	21
105	Elemental mercury capture from industrial gas emissions using sulfides and selenides: a review. <i>Environmental Chemistry Letters</i> , <b>2021</b> , 19, 1395-1411	13.3	8
104	Carbon dioxide capture using liquid absorption methods: a review. <i>Environmental Chemistry Letters</i> , <b>2021</b> , 19, 77-109	13.3	41
103	Copper Sulfide-Loaded Boron Nitride Nanosheets for Elemental Mercury Removal from Simulated Flue Gas. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 2234-2242	4.1	9
102	Removal of pollutants from gas streams using Fenton (-like)-based oxidation systems: A review. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 416, 125927	12.8	21
101	Nitrogen-doped activated carbons derived from microalgae pyrolysis by-products by microwave/KOH activation for CO <sub>2</sub> adsorption. <i>Fuel</i> , <b>2021</b> , 306, 121762	7.1	14
100	Removal of Elemental Mercury Using Seaweed Biomass-Based Porous Carbons Prepared from Microwave Activation and H <sub>2</sub> O <sub>2</sub> Modification. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 2391-2401	4.1	2
99	Optimization analysis of polyurethane based mixed matrix gas separation membranes by incorporation of gamma-cyclodextrin metal organic frame work. <i>Chemical Papers</i> , <b>2020</b> , 74, 3527-3543	1.9	8
98	Oxidation absorption of hydrogen sulfide from gas stream using vacuum ultraviolet/H <sub>2</sub> O <sub>2</sub> /urea wet scrubbing system. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 140, 348-355	5.5	14
97	Removal of gaseous hydrogen sulfide using ultraviolet/Oxone-induced oxidation scrubbing system. <i>Chemical Engineering Journal</i> , <b>2020</b> , 393, 124740	14.7	27
96	A review on application of cerium-based oxides in gaseous pollutant purification. <i>Separation and Purification Technology</i> , <b>2020</b> , 250, 117181	8.3	41
95	Removal of nitric oxide from flue gas using novel microwave-activated double oxidants system. <i>Chemical Engineering Journal</i> , <b>2020</b> , 393, 124754	14.7	34
94	State-of-the-art review on capture of CO <sub>2</sub> using adsorbents prepared from waste materials. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 139, 1-25	5.5	41
93	A review on coal fly ash-based adsorbents for mercury and arsenic removal. <i>Journal of Cleaner Production</i> , <b>2020</b> , 267, 122143	10.3	60
92	Novel Simultaneous Removal Technology of NO and SO Using a Semi-Dry Microwave Activation Persulfate System. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 2031-2042	10.3	46
91	Photocatalytic oxidation removal of elemental mercury from flue gas. A review. <i>Environmental Chemistry Letters</i> , <b>2020</b> , 18, 417-431	13.3	25
90	Novel carbon-based sorbents for elemental mercury removal from gas streams: A review. <i>Chemical Engineering Journal</i> , <b>2020</b> , 391, 123514	14.7	56

89	Study on removal of gaseous hydrogen sulfide based on macroalgae biochars. <i>Journal of Natural Gas Science and Engineering</i> , <b>2020</b> , 73, 103068	4.6	34
88	Review on Magnetic Adsorbents for Removal of Elemental Mercury from Flue Gas. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 13473-13490	4.1	21
87	Absorption of H <sub>2</sub> S from Gas Streams by the Wet Ultraviolet/Persulfate Oxidation Process: Mechanism and Kinetics. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 8037-8045	4.1	14
86	Removal of CO <sub>2</sub> from Flue Gas Using Seaweed Porous Carbons Prepared by Urea Doping and KOH Activation. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 16411-16422	4.1	4
85	Adsorption of CO <sub>2</sub> from flue gas by novel seaweed-based KOH-activated porous biochars. <i>Fuel</i> , <b>2020</b> , 260, 116382	7.1	96
84	Sorbents for hydrogen sulfide capture from biogas at low temperature: a review. <i>Environmental Chemistry Letters</i> , <b>2020</b> , 18, 113-128	13.3	31
83	Preparation of magnetic Co-Fe modified porous carbon from agricultural wastes by microwave and steam activation for mercury removal. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 381, 120981	12.8	77
82	Enhancement in the selectivity of O <sub>2</sub> /N <sub>2</sub> via ZIF-8/CA mixed-matrix membranes and the development of a thermodynamic model to predict the permeability of gases. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 24413-24429	5.1	3
81	Seaweed bio-chars modified with metal chloride for elemental mercury capture from simulated flue gas. <i>Atmospheric Pollution Research</i> , <b>2020</b> , 11, 122-130	4.5	5
80	Preparation of microwave-activated magnetic bio-char adsorbent and study on removal of elemental mercury from flue gas. <i>Science of the Total Environment</i> , <b>2019</b> , 697, 134049	10.2	66
79	Mercury removal from flue gas by magnetic iron-copper oxide modified porous char derived from biomass materials. <i>Fuel</i> , <b>2019</b> , 256, 115977	7.1	70
78	Removal of gaseous elemental mercury using seaweed chars impregnated by NH <sub>4</sub> Cl and NH <sub>4</sub> Br. <i>Journal of Cleaner Production</i> , <b>2019</b> , 216, 277-287	10.3	52
77	Simultaneous Removal of SO <sub>2</sub> and NO Using H <sub>2</sub> O <sub>2</sub> /Urea Activated by Vacuum Ultraviolet Light in a Pilot-Scale Spraying Tower. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 1325-1333	4.1	11
76	Elimination of nitric oxide using new Fenton process based on synergistic catalysis: Optimization and mechanism. <i>Chemical Engineering Journal</i> , <b>2019</b> , 372, 92-98	14.7	55
75	Oxidation removal of gaseous Hg <sup>0</sup> using enhanced-Fenton system in a bubble column reactor. <i>Fuel</i> , <b>2019</b> , 246, 358-364	7.1	59
74	Integrating the merits of two-dimensional structure and heteroatom modification into semiconductor photocatalyst to boost NO removal. <i>Chemical Engineering Journal</i> , <b>2019</b> , 370, 944-951	14.7	42
73	Oxidation Removal of CO from Flue Gas Using Two Fenton-like Wet Scrubbing Systems. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 2961-2966	4.1	13
72	Oxidative Absorption of Elemental Mercury from Flue Gas Using a Modified Fenton-like Wet Scrubbing System. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 3028-3033	4.1	18

71	Gaseous elemental mercury removal using VUV and heat coactivation of Oxone/H <sub>2</sub> O/O <sub>2</sub> in a VUV-spraying reactor. <i>Fuel</i> , <b>2019</b> , 243, 352-361	7.1	43
70	Removal of gaseous Hg <sup>0</sup> using novel seaweed biomass-based activated carbon. <i>Chemical Engineering Journal</i> , <b>2019</b> , 366, 41-49	14.7	63
69	Recent developments on gas-solid heterogeneous oxidation removal of elemental mercury from flue gas. <i>Environmental Chemistry Letters</i> , <b>2019</b> , 17, 19-47	13.3	33
68	Removal of Carbon Monoxide from Simulated Flue Gas Using Two New Fenton Systems: Mechanism and Kinetics. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 10387-10397	10.3	13
67	Removal of Elemental Mercury from Flue Gas Using Microwave/Ultrasound-Activated Ce <sup>III</sup> Magnetic Porous Carbon Derived from Biomass Straw. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 8394-8402	4.1	29
66	Removal of Gaseous Hydrogen Sulfide by a Photo-Fenton Wet Oxidation Scrubbing System. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 10812-10819	4.1	20
65	Gaseous Elemental Mercury Removal Using Combined Metal Ions and Heat Activated Peroxymonosulfate/H <sub>2</sub> O <sub>2</sub> Solutions. <i>AIChE Journal</i> , <b>2019</b> , 65, 161-174	3.6	27
64	Effects of experimental parameters on simultaneous removal of SO <sub>2</sub> and NO by VUV/H <sub>2</sub> O <sub>2</sub> advanced oxidation process in a pilot-scale photochemical spraying tower. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2019</b> , 94, 721-729	3.5	5
63	A review of sorbents for high-temperature hydrogen sulfide removal from hot coal gas. <i>Environmental Chemistry Letters</i> , <b>2019</b> , 17, 259-276	13.3	33
62	Separation of hydrogen sulfide from gas phase using Ce <sup>3+</sup> /Mn <sup>2+</sup> -enhanced fenton-like oxidation system. <i>Chemical Engineering Journal</i> , <b>2019</b> , 359, 1486-1492	14.7	43
61	Removal of gaseous hydrogen sulfide using Fenton reagent in a spraying reactor. <i>Fuel</i> , <b>2019</b> , 239, 70-75	7.1	63
60	Highly Efficient Adsorption of Oils and Pollutants by Porous Ultrathin Oxygen-Modified BCN Nanosheets. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 3234-3242	8.3	12
59	Numerical investigation of direct injection stratified charge combustion in a natural gas-diesel rotary engine. <i>Applied Energy</i> , <b>2019</b> , 233-234, 453-467	10.7	52
58	Gas-phase elemental mercury removal using ammonium chloride impregnated sargassum chars. <i>Environmental Technology (United Kingdom)</i> , <b>2019</b> , 40, 1923-1936	2.6	16
57	Effect of hydrogen injection strategies on mixture formation and combustion process in a hydrogen direct injection plus natural gas port injection rotary engine. <i>Energy Conversion and Management</i> , <b>2018</b> , 160, 150-164	10.6	45
56	Removal of elemental mercury from flue gas using red mud impregnated by KBr and KI reagent. <i>Chemical Engineering Journal</i> , <b>2018</b> , 341, 483-494	14.7	65
55	Removal of elemental mercury by bio-chars derived from seaweed impregnated with potassium iodine. <i>Chemical Engineering Journal</i> , <b>2018</b> , 339, 468-478	14.7	98
54	Numerical investigation of mixture formation and combustion in a hydrogen direct injection plus natural gas port injection (HDI+NGPI) rotary engine. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 4632-4644	6.7	25

53	Oxidation Removal of Nitric Oxide from Flue Gas Using an Ultraviolet Light and Heat Coactivated Oxone System. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 1999-2008	4.1	27
52	Simultaneous absorption/oxidation of nitric oxide and sulfur dioxide using ammonium persulfate synergistically activated by UV-light and heat. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 130, 321-333	5.5	30
51	A review on modification methods of adsorbents for elemental mercury from flue gas. <i>Chemical Engineering Journal</i> , <b>2018</b> , 346, 692-711	14.7	108
50	Removal of NO in flue gas using vacuum ultraviolet light/ultrasound/chlorine in a VUV-US coupled reactor. <i>Fuel Processing Technology</i> , <b>2018</b> , 169, 226-235	7.2	18
49	Simultaneous removal of NO and SO using vacuum ultraviolet light (VUV)/heat/peroxymonosulfate (PMS). <i>Chemosphere</i> , <b>2018</b> , 190, 431-441	8.4	118
48	Simultaneous absorption of SO and NO from flue gas using ultrasound/Fe/heat coactivated persulfate system. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 342, 326-334	12.8	141
47	The influence of hydrogen injection strategy on mixture formation and combustion process in a port injection (PI) rotary engine fueled with natural gas/hydrogen blends. <i>Energy Conversion and Management</i> , <b>2018</b> , 173, 527-538	10.6	27
46	Removal of elemental mercury from flue gas using CuOx and CeO2 modified rice straw chars enhanced by ultrasound. <i>Fuel Processing Technology</i> , <b>2018</b> , 170, 21-31	7.2	72
45	Removal of elemental mercury from flue gas using sargassum chars modified by NH4Br reagent. <i>Fuel</i> , <b>2018</b> , 214, 196-206	7.1	92
44	Removal of Hg0 from Simulated Flue Gas by Ultraviolet Light/Heat/Persulfate Process in an UV-Impinging Stream Reactor. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 12416-12425	4.1	25
43	Oxidation Absorption of Gaseous H2S Using Fenton-Like Advanced Oxidation Systems. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 11289-11295	4.1	25
42	Elemental mercury removal from flue gas using heat and Co2+/Fe2+ coactivated oxone oxidation system. <i>Chemical Engineering Journal</i> , <b>2018</b> , 348, 464-475	14.7	78
41	Oxidation-separation kinetics of nitric oxide from flue gas using ferrate (VI) reagent in a spraying reactor. <i>Canadian Journal of Chemical Engineering</i> , <b>2017</b> , 95, 1364-1372	2.3	2
40	Removal of NO from flue gas using UV/S2 process in a novel photochemical impinging stream reactor. <i>AIChE Journal</i> , <b>2017</b> , 63, 2968-2980	3.6	39
39	Removal of elemental Mercury from flue gas using wheat straw chars modified by KFeO reagent. <i>Environmental Technology (United Kingdom)</i> , <b>2017</b> , 38, 3047-3054	2.6	19
38	Removal of nitric oxide from flue gas using sulfate/hydroxyl radicals from activation of oxone with cobalt and high temperature. <i>Environmental Progress and Sustainable Energy</i> , <b>2017</b> , 36, 1013-1021	2.5	7
37	Effect of gas-phase reaction on catalytic reaction for H2/O2 mixture in micro combustor. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 16855-16865	6.7	17
36	Oxidative removal of NO from flue gas using ultrasound, Mn2+/Fe2+ and heat coactivation of Oxone in an ultrasonic bubble reactor. <i>Chemical Engineering Journal</i> , <b>2017</b> , 326, 1166-1176	14.7	77

35	Removal of elemental mercury from flue gas using wheat straw chars modified by Mn-Ce mixed oxides with ultrasonic-assisted impregnation. <i>Chemical Engineering Journal</i> , <b>2017</b> , 326, 169-181	14.7	107
34	Absorption of NO and Simultaneous Absorption of SO <sub>2</sub> /NO Using a Vacuum Ultraviolet Light/Ultrasound/KHSO <sub>5</sub> System. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 12364-12375	4.1	31
33	Oxidation Removal of Nitric Oxide from Flue Gas Using UV Photolysis of Aqueous Hypochlorite. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 11950-11959	10.3	65
32	Effect of injection strategy on fuel-air mixing and combustion process in a direct injection diesel rotary engine (DI-DRE). <i>Energy Conversion and Management</i> , <b>2017</b> , 154, 68-80	10.6	32
31	Numerical investigation of the effect of injection strategy on mixture formation and combustion process in a port injection natural gas rotary engine. <i>Energy Conversion and Management</i> , <b>2017</b> , 133, 511-523	10.6	39
30	Simultaneous removal of Hg <sup>0</sup> and SO <sub>2</sub> from flue gas using vacuum ultraviolet radiation combining with absorption of urea solution. <i>International Journal of Coal Geology</i> , <b>2017</b> , 170, 41-47	5.5	17
29	Simultaneous removal of NO and SO <sub>2</sub> using aqueous peroxydisulfate with coactivation of Cu <sup>2+</sup> /Fe <sup>3+</sup> and high temperature. <i>AIChE Journal</i> , <b>2017</b> , 63, 1287-1302	3.6	70
28	Novel Process of Simultaneous Removal of Nitric Oxide and Sulfur Dioxide Using a Vacuum Ultraviolet (VUV)-Activated O <sub>2</sub> /HO <sub>2</sub> /HO System in A Wet VUV-Spraying Reactor. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 12966-12975	10.3	124
27	Study on enhancement mechanism of NO absorption in K <sub>2</sub> FeO <sub>4</sub> solution basing on mass transfer-reaction theory. <i>Chemical Engineering Research and Design</i> , <b>2016</b> , 111, 196-203	5.5	19
26	A review on removal of elemental mercury from flue gas using advanced oxidation process: Chemistry and process. <i>Chemical Engineering Research and Design</i> , <b>2016</b> , 112, 199-250	5.5	120
25	Effects of ignition parameters on combustion process of a rotary engine fueled with natural gas. <i>Energy Conversion and Management</i> , <b>2015</b> , 103, 218-234	10.6	61
24	A study on removal of elemental mercury in flue gas using fenton solution. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 292, 164-72	12.8	65
23	A comparative study on combustion characteristics of methane, propane and hydrogen fuels in a micro-combustor. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 16587-16596	6.7	63
22	A novel process for removal of Hg <sup>0</sup> from flue gas using urea/persulfate activated by high temperature in a spray reactor. <i>Chemical Engineering Research and Design</i> , <b>2015</b> , 104, 828-834	5.5	16
21	Removal of Hg <sup>0</sup> and simultaneous removal of Hg <sup>0</sup> /SO <sub>2</sub> /NO in flue gas using two Fenton-like reagents in a spray reactor. <i>Fuel</i> , <b>2015</b> , 145, 180-188	7.1	80
20	Removal of Hg <sup>0</sup> from flue gas using two homogeneous photo-fenton-like reactions. <i>AIChE Journal</i> , <b>2015</b> , 61, 1322-1333	3.6	49
19	Study on absorption of elemental mercury from flue gas by UV/H <sub>2</sub> O <sub>2</sub> : Process parameters and reaction mechanism. <i>Chemical Engineering Journal</i> , <b>2014</b> , 249, 72-78	14.7	40
18	Advanced oxidation removal of NO and SO <sub>2</sub> from flue gas by using ultraviolet/H <sub>2</sub> O <sub>2</sub> /NaOH process. <i>Chemical Engineering Research and Design</i> , <b>2014</b> , 92, 1907-1914	5.5	57

17	Photochemical Oxidation Removal of Hg <sup>0</sup> from Flue Gas Containing SO <sub>2</sub> /NO by an Ultraviolet Irradiation/Hydrogen Peroxide (UV/H <sub>2</sub> O <sub>2</sub> ) Process. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 2135-2143	4.1	52
16	Removal of elemental mercury from flue gas by thermally activated ammonium persulfate in a bubble column reactor. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 12181-9	10.3	128
15	Removal of Hg <sup>0</sup> from containing-SO <sub>2</sub> /NO flue gas by ultraviolet/H <sub>2</sub> O <sub>2</sub> process in a novel photochemical reactor. <i>AIChE Journal</i> , <b>2014</b> , 60, 2275-2285	3.6	52
14	A study on mass transfer reaction kinetics of NO absorption by using UV/H <sub>2</sub> O <sub>2</sub> /NaOH process. <i>Fuel</i> , <b>2013</b> , 108, 254-260	7.1	43
13	Study on Mass Transfer-Reaction Kinetics of NO Removal from Flue Gas by Using a UV/Fenton-like Reaction. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 12065-12072	3.9	17
12	Investigation on the Removal of NO from SO <sub>2</sub> -Containing Simulated Flue Gas by an Ultraviolet/Fenton-Like Reaction. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 5430-5436	4.1	57
11	A study on kinetics of NO absorption from flue gas by using UV/Fenton wet scrubbing. <i>Chemical Engineering Journal</i> , <b>2012</b> , 197, 468-474	14.7	41
10	Kinetic model of NO removal from SO <sub>2</sub> -containing simulated flue gas by wet UV/H <sub>2</sub> O <sub>2</sub> advanced oxidation process. <i>Chemical Engineering Journal</i> , <b>2011</b> , 168, 183-189	14.7	39
9	Study on the Kinetics of NO Removal from Simulated Flue Gas by a Wet Ultraviolet/H <sub>2</sub> O <sub>2</sub> Advanced Oxidation Process. <i>Energy &amp; Fuels</i> , <b>2011</b> , 25, 1547-1552	4.1	12
8	X-ray Photoelectron Spectroscopy (XPS) Investigation of Nitrogen Functionalities during Coal Char Combustion in O <sub>2</sub> /CO <sub>2</sub> and O <sub>2</sub> /Ar Atmospheres. <i>Energy &amp; Fuels</i> , <b>2011</b> , 25, 240-245	4.1	63
7	Quantitative Analysis of NO <sub>x</sub> Reduction in Oxy-Coal Combustion. <i>Energy &amp; Fuels</i> , <b>2011</b> , 25, 1146-1152	4.1	14
6	Wet Removal of Sulfur Dioxide and Nitric Oxide from Simulated Coal-Fired Flue Gas by UV/H <sub>2</sub> O <sub>2</sub> Advanced Oxidation Process. <i>Energy &amp; Fuels</i> , <b>2010</b> , 24, 4931-4936	4.1	40
5	Preliminary Study on a New Technique for Wet Removal of Nitric Oxide from Simulated Flue Gas with an Ultraviolet (UV)/H <sub>2</sub> O <sub>2</sub> Process. <i>Energy &amp; Fuels</i> , <b>2010</b> , 24, 4925-4930	4.1	21
4	Experimental research on influencing factors of wet removal of NO from coal-fired flue gas by UV/H <sub>2</sub> O <sub>2</sub> advanced oxidation process. <i>Science China Technological Sciences</i> , <b>2010</b> , 53, 1839-1846	3.5	13
3	Simultaneous removal of NO and SO <sub>2</sub> from coal-fired flue gas by UV/H <sub>2</sub> O <sub>2</sub> advanced oxidation process. <i>Chemical Engineering Journal</i> , <b>2010</b> , 162, 1006-1011	14.7	207
2	Preparation of Straw Porous Biochars by Microwave-Assisted KOH Activation for Removal of Gaseous H <sub>2</sub> S. <i>Energy &amp; Fuels</i> ,	4.1	5
1	Alkali Metal Poisoning and Regeneration of Selective Catalytic Reduction Denitration Catalysts: Recent Advances and Future Perspectives. <i>Energy &amp; Fuels</i> ,	4.1	2