

Fawei Lin

List of Publications by Year in descending order

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61
papers

2,137
citations

218677

26
h-index

254184

43
g-index

61
all docs

61
docs citations

61
times ranked

1460
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive review on catalytic degradation of Cl-VOCs under the practical application conditions. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 311-355.	12.8	54
2	Products distribution and pollutants releasing characteristics during pyrolysis of waste tires under different thermal process. <i>Journal of Hazardous Materials</i> , 2022, 424, 127351.	12.4	37
3	Synergistic effect for simultaneously catalytic ozonation of chlorobenzene and NO over MnCoO catalysts: Byproducts formation under practical conditions. <i>Chemical Engineering Journal</i> , 2022, 427, 130929.	12.7	21
4	Utilizing waste duckweed from phytoremediation to synthesize highly efficient Fe N C catalysts for oxygen reduction reaction electrocatalysis. <i>Science of the Total Environment</i> , 2022, 819, 153115.	8.0	5
5	Efficient degradation of multiple Cl-VOCs by catalytic ozonation over MnO catalysts with different supports. <i>Chemical Engineering Journal</i> , 2022, 435, 134807.	12.7	33
6	Pyrolysis Behaviors and Residue Properties of Iron-Rich Rolling Sludge from Steel Smelting. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2152.	2.6	4
7	Catalytic Decomposition of Residual Ozone over Cactus-like MnO ₂ Nanosphere: Synergistic Mechanism and SO ₂ /H ₂ O Interference. <i>ACS Omega</i> , 2022, 7, 9818-9833.	3.5	11
8	Co-pyrolysis of oil sludge with hydrogen-rich plastics in a vertical stirring reactor: Kinetic analysis, emissions, and products. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, .	6.0	2
9	A review on bioenergy production from duckweed. <i>Biomass and Bioenergy</i> , 2022, 161, 106468.	5.7	20
10	Catalytic ozonation of CH ₂ Cl ₂ over hollow urchin-like MnO ₂ with regulation of active oxygen by catalyst modification and ozone promotion. <i>Journal of Hazardous Materials</i> , 2022, 436, 129217.	12.4	18
11	Transformation and regulation of nitrogen and sulfur during pyrolysis of oily sludge with N/S model compounds. <i>Fuel</i> , 2022, 324, 124651.	6.4	9
12	Catalytic pyrolysis of oily sludge with iron-containing waste for production of high-quality oil and H ₂ -rich gas. <i>Fuel</i> , 2022, 326, 124995.	6.4	12
13	How to achieve complete elimination of Cl-VOCs: A critical review on byproducts formation and inhibition strategies during catalytic oxidation. <i>Chemical Engineering Journal</i> , 2021, 404, 126534.	12.7	132
14	A critical review on energy recovery and non-hazardous disposal of oily sludge from petroleum industry by pyrolysis. <i>Journal of Hazardous Materials</i> , 2021, 406, 124706.	12.4	99
15	Transformation of nitrogen, sulfur and chlorine during waste tire pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 153, 104987.	5.5	44
16	Interplay effect on simultaneous catalytic oxidation of NO and toluene over different crystal types of MnO ₂ catalysts. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 5433-5441.	3.9	20
17	Comparative Investigation on Chlorobenzene Oxidation by Oxygen and Ozone over a MnO _x /Al ₂ O ₃ Catalyst in the Presence of SO ₂ . <i>Environmental Science & Technology</i> , 2021, 55, 3341-3351.	10.0	59
18	Hazardous elements flow during pyrolysis of oily sludge. <i>Journal of Hazardous Materials</i> , 2021, 409, 124986.	12.4	47

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19	Insoluble matrix proteins from shell waste for synthesis of visible-light response photocatalyst to mineralize indoor gaseous formaldehyde. <i>Journal of Hazardous Materials</i> , 2021, 415, 125649.	12.4	9
20	Pollutants formation, distribution, and reaction mechanism during WT pyrolysis: A review. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 157, 105218.	5.5	24
21	<i>Agaricus bisporus</i> residue-derived Fe/N co-doped carbon materials as an efficient electrocatalyst for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 34737-34748.	7.1	11
22	Evaluation on energetic and economic benefits of the coupling anaerobic digestion and gasification from agricultural wastes. <i>Renewable Energy</i> , 2021, 176, 494-503.	8.9	12
23	Fast elimination of cable fire smoke in underground tunnels using acoustic agglomeration technology. <i>Tunnelling and Underground Space Technology</i> , 2021, 117, 104154.	6.2	6
24	Triple combination of natural microbial action, etching, and gas foaming to synthesize hierarchical porous carbon for efficient adsorption of VOCs. <i>Environmental Research</i> , 2021, 202, 111687.	7.5	17
25	Catalytic deep degradation of Cl-VOCs with the assistance of ozone at low temperature over MnO ₂ catalysts. <i>Chemical Engineering Journal</i> , 2021, 426, 130814.	12.7	21
26	A facile and green strategy to synthesize N/P co-doped bio-porous carbon with high yield from fungi residue for efficient VOC adsorption. <i>Separation and Purification Technology</i> , 2021, 276, 119291.	7.9	18
27	Migration of chlorinated compounds on products quality and dioxins releasing during pyrolysis of oily sludge with high chlorine content. <i>Fuel</i> , 2021, 306, 121744.	6.4	17
28	Photocatalytic mineralization of indoor VOC mixtures over unique ternary TiO ₂ /C/MnO ₂ with high adsorption selectivity. <i>Chemical Engineering Journal</i> , 2021, 425, 131678.	12.7	15
29	Effects of inherent minerals on oily sludge pyrolysis: Kinetics, products, and secondary pollutants. <i>Chemical Engineering Journal</i> , 2021, 431, 133218.	12.7	10
30	Decomposition of N ₂ O on ZIF-67-Derived Co/CoO _x @Carbon Catalysts and SO ₂ Interference. <i>Energy & Fuels</i> , 2021, 35, 18664-18679.	5.1	4
31	Catalytic Reforming: A Potentially Promising Method for Treating and Utilizing Wastewater from Biogas Plants. <i>Environmental Science & Technology</i> , 2020, 54, 577-585.	10.0	9
32	Hydrogen Production via Aqueous-Phase Reforming of Ethylene Glycol over a Nickel-iron Alloy Catalyst: Effect of Cobalt Addition. <i>Energy & Fuels</i> , 2020, 34, 1153-1161.	5.1	15
33	Flue gas treatment with ozone oxidation: An overview on NO _x , organic pollutants, and mercury. <i>Chemical Engineering Journal</i> , 2020, 382, 123030.	12.7	129
34	MnO fabrication with rational design of morphology for enhanced activity in NO oxidation and SO ₂ resistance. <i>Applied Surface Science</i> , 2020, 503, 144064.	6.1	28
35	Fast characterization of biomass and waste by infrared spectra and machine learning models. <i>Journal of Hazardous Materials</i> , 2020, 387, 121723.	12.4	29
36	Study of scrap tires pyrolysis " Products distribution and mechanism. <i>Energy</i> , 2020, 213, 119038.	8.8	36

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37	Effects of reaction conditions on products and elements distribution via hydrothermal liquefaction of duckweed for wastewater treatment. <i>Bioresource Technology</i> , 2020, 317, 124033.	9.6	19
38	Nitrogen, sulfur, chlorine containing pollutants releasing characteristics during pyrolysis and combustion of oily sludge. <i>Fuel</i> , 2020, 273, 117772.	6.4	86
39	Utilization of edible fungi residues towards synthesis of high-performance porous carbon for effective sorption of Cl-VOCs. <i>Science of the Total Environment</i> , 2020, 727, 138475.	8.0	33
40	CO ₂ hydrogenation to methanol over bimetallic Pd-Cu catalysts supported on TiO ₂ -CeO ₂ and TiO ₂ -ZrO ₂ . <i>Catalysis Today</i> , 2020, 371, 150-150.	4.4	17
41	The role of seashell wastes in TiO ₂ /Seashell composites: Photocatalytic degradation of methylene blue dye under sunlight. <i>Environmental Research</i> , 2020, 188, 109831.	7.5	35
42	Multi-step separation of different chemical groups from the heavy fraction in biomass fast pyrolysis oil. <i>Fuel Processing Technology</i> , 2020, 202, 106366.	7.2	33
43	Low temperature catalytic ozonation of toluene in flue gas over Mn-based catalysts: Effect of support property and SO ₂ /water vapor addition. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118662.	20.2	93
44	Comparative investigation on catalytic ozonation of VOCs in different types over supported MnO catalysts. <i>Journal of Hazardous Materials</i> , 2020, 391, 122218.	12.4	106
45	Biomass combustion: Environmental impact of various precombustion processes. <i>Journal of Cleaner Production</i> , 2020, 261, 121217.	9.3	22
46	Effects of supports on bimetallic Pd-Cu catalysts for CO ₂ hydrogenation to methanol. <i>Applied Catalysis A: General</i> , 2019, 585, 117210.	4.3	65
47	An investigation of an oxygen-enriched combustion of municipal solid waste on flue gas emission and combustion performance at a 8MWth waste-to-energy plant. <i>Waste Management</i> , 2019, 96, 47-56.	7.4	37
48	Co-precipitation Synthesized MnO _x -CeO ₂ Mixed Oxides for NO Oxidation and Enhanced Resistance to Low Concentration of SO ₂ by Metal Addition. <i>Catalysts</i> , 2019, 9, 519.	3.5	21
49	Pyrolysis of typical MSW components by Py-GC/MS and TG-FTIR. <i>Fuel</i> , 2019, 251, 693-708.	6.4	90
50	Theoretical and experimental study of gas-phase corrosion attack of Fe under simulated municipal solid waste combustion: Influence of KCl, SO ₂ , HCl, and H ₂ O vapour. <i>Applied Energy</i> , 2019, 247, 630-642.	10.1	12
51	Investigation of NO Removal with Ozone Deep Oxidation in Na ₂ CO ₃ Solution. <i>Energy & Fuels</i> , 2019, 33, 4454-4461.	5.1	24
52	Enhancement of NO oxidation activity and SO ₂ resistance over LaMnO ₃ + $\hat{\Gamma}$ perovskites catalysts with metal substitution and acid treatment. <i>Applied Surface Science</i> , 2019, 479, 234-246.	6.1	34
53	The Benefits of Small Quantities of Nitrogen in the Oxygen Feed to Ozone Generators. <i>Ozone: Science and Engineering</i> , 2018, 40, 313-320.	2.5	6
54	Ozone Production with Dielectric Barrier Discharge from Air: The Influence of Pulse Polarity. <i>Ozone: Science and Engineering</i> , 2018, 40, 494-502.	2.5	26

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55	Catalyst tolerance to SO ₂ and water vapor of Mn based bimetallic oxides for NO deep oxidation by ozone. RSC Advances, 2017, 7, 25132-25143.	3.6	8
56	Promotional effect of spherical alumina loading with manganese-based bimetallic oxides on nitric-oxide deep oxidation by ozone. Chinese Journal of Catalysis, 2017, 38, 1270-1280.	14.0	18
57	Catalytic deep oxidation of NO by ozone over MnO _x loaded spherical alumina catalyst. Applied Catalysis B: Environmental, 2016, 198, 100-111.	20.2	106
58	N ₂ O ₅ Formation Mechanism during the Ozone-Based Low-Temperature Oxidation deNO _x Process. Energy & Fuels, 2016, 30, 5101-5107.	5.1	51
59	Ceria substrate-oxide composites as catalyst for highly efficient catalytic oxidation of NO by O ₂ . Fuel, 2016, 166, 352-360.	6.4	61
60	Characteristics of O ₃ Oxidation for Simultaneous Desulfurization and Denitration with Limestone-Gypsum Wet Scrubbing: Application in a Carbon Black Drying Kiln Furnace. Energy & Fuels, 2016, 30, 2302-2308.	5.1	59
61	Catalytic oxidation of NO by O ₂ over CeO ₂ -MnO _x : SO ₂ poisoning mechanism. RSC Advances, 2016, 6, 31422-31430.	3.6	38