Tong Chen

List of Publications by Year
in descending order

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88 papers	2,049 citations	257357 24 h-index	289141 40 g-index
89 all docs	89 docs citations	89 times ranked	1478 citing authors

#	Article	IF	Citations
1	Activation of persulfate by CO2-activated biochar for improved phenolic pollutant degradation: Performance and mechanism. Chemical Engineering Journal, 2020, 380, 122519.	6.6	192
2	Interharmonics Analysis Based on Interpolating Windowed FFT Algorithm. IEEE Transactions on Power Delivery, 2007, 22, 1064-1069.	2.9	127
3	Enhanced adsorption for Pb(II) and Cd(II) of magnetic rice husk biochar by KMnO4 modification. Environmental Science and Pollution Research, 2019, 26, 8902-8913.	2.7	118
4	Concentrations, Profiles, and Sources of Atmospheric PCDD/Fs near a Municipal Solid Waste Incinerator in Eastern China. Environmental Science & Technology, 2009, 43, 1023-1029.	4.6	67
5	Effect of temperature and particle size on the thermal desorption of PCBs from contaminated soil. Environmental Science and Pollution Research, 2014, 21, 4697-4704.	2.7	53
6	Simultaneous suppression of PCDD/F and NOx during municipal solid waste incineration. Chemosphere, 2015, 126, 60-66.	4.2	53
7	Polychlorinated dibenzo-p-dioxins and dibenzofurans in flue gas emissions from municipal solid waste incinerators in China. Journal of Zhejiang University: Science A, 2008, 9, 1296-1303.	1.3	44
8	Catalytic oxidation of PCDD/F on a V2O5-WO3/TiO2 catalyst: Effect of chlorinated benzenes and chlorinated phenols. Journal of Hazardous Materials, 2018, 342, 220-230.	6.5	44
9	Ozone-enhanced oxidation of PCDD/Fs over V2O5â€“TiO2-based catalyst. Chemosphere, 2013, 92, 265-272.	4.2	43
10	PCDD/Fsâ€™ suppression by sulfurâ€“amine/ammonium compounds. Chemosphere, 2015, 123, 9-16.	4.2	42
11	Biochar cathode: Reinforcing electro-Fenton pathway against four-electron reduction by controlled carbonization and surface chemistry. Science of the Total Environment, 2021, 754, 142136.	3.9	40
12	Persistent organic pollutant emissions from medical waste incinerators in China. Journal of Material Cycles and Waste Management, 2011, 13, 213-218.	1.6	39
13	Development of new transition metal oxide catalysts for the destruction of PCDD/Fs. Chemosphere, 2016, 156, 383-391.	4.2	38
14	Inhibition of the de novo synthesis of PCDD/Fs on model fly ash by sludge drying gases. Chemosphere, 2014, 114, 226-232.	4.2	37
15	Treating PCDD/Fs by combined catalysis and activated carbon adsorption. Chemosphere, 2014, 102, 31-36.	4.2	36
16	Study on the relationship between waste classification, combustion condition and dioxin emission from waste incineration. Waste Disposal & Sustainable Energy, 2019, 1, 91-98.	1.1	36
17	Effect of temperature and oxygen on the formation of chlorobenzene as the indicator of PCDD/Fs. Journal of Environmental Sciences, 2010, 22, 1637-1642.	3.2	35
18	Polychlorinated biphenyls emission from a medical waste incinerator in China. Journal of Hazardous Materials, 2009, 172, 1339-1343.	6.5	33

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19	Emission and distribution of PCDD/Fs, chlorobenzenes, chlorophenols, and PAHs from stack gas of a fluidized bed and a stoker waste incinerator in China. Environmental Science and Pollution Research, 2017, 24, 5607-5618.	2.7	33
20	Suppression of dioxins after the post-combustion zone of MSWIs. Waste Management, 2016, 54, 153-161.	3.7	32
21	Levels of PCDD/Fs in soil in the vicinity of a medical waste incinerator in China: The temporal variation during 2007â€“2009. Journal of Hazardous Materials, 2010, 179, 783-789.	6.5	31
22	PCDD/F and PCBz Emissions during Start-up and Normal Operation of a Hazardous Waste Incinerator in China. Aerosol and Air Quality Research, 2014, 14, 1142-1151.	0.9	31
23	Mass balance of dioxins over a cement kiln in China. Waste Management, 2015, 36, 130-135.	3.7	28
24	Emissions behavior and distribution of polychlorinated dibenzo-p-dioxins and furans (PCDD/Fs) from cement kilns in China. Environmental Science and Pollution Research, 2014, 21, 4245-4253.	2.7	27
25	Environmentally persistent free radicals in PM2.5: a review. Waste Disposal & Sustainable Energy, 2019, 1, 177-197.	1.1	26
26	Modification of activated carbon using urea to enhance the adsorption of dioxins. Environmental Research, 2022, 204, 112035.	3.7	26
27	Catalytic Decomposition of PCDD/Fs over Nano-TiO2 Based V2O5/CeO2 Catalyst at Low Temperature. Aerosol and Air Quality Research, 2016, 16, 2011-2022.	0.9	24
28	Emission characteristics and relationships among PCDD/Fs, chlorobenzenes, chlorophenols and PAHs in the stack gas from two municipal solid waste incinerators in China. RSC Advances, 2017, 7, 44309-44318.	1.7	23
29	Formation and inhibition of Polychlorinated-Ï•dibenzodioxins and dibenzofurans from mechanical grate municipal solid waste incineration systems. Journal of Hazardous Materials, 2021, 403, 123812.	6.5	23
30	Sludge as dioxins suppressant in hospital waste incineration. Waste Management, 2012, 32, 1453-1458.	3.7	22
31	Thermal desorption of PCBs from contaminated soil using nano zerovalent iron. Environmental Science and Pollution Research, 2014, 21, 12739-12746.	2.7	22
32	Catalytic destruction of PCDD/Fs over vanadium oxide-based catalysts. Environmental Science and Pollution Research, 2016, 23, 16249-16258.	2.7	22
33	Selective production of singlet oxygen from zinc-etching hierarchically porous biochar for sulfamethoxazole degradation. Environmental Pollution, 2021, 290, 117991.	3.7	22
34	Iron and copper catalysis of PCDD/F formation. Environmental Science and Pollution Research, 2016, 23, 2415-2425.	2.7	21
35	Development of phosphorus-based inhibitors for PCDD/Fs suppression. Waste Management, 2021, 119, 82-90.	3.7	21
36	PCDD/F Emissions from Hazardous Waste Incinerators in China. Aerosol and Air Quality Research, 2014, 14, 1152-1159.	0.9	21

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37	Low temperature degradation of polychlorinated dibenzo-p-dioxins and dibenzofurans over a VOx-CeOx/TiO2 catalyst with addition of ozone. Waste Management, 2018, 76, 555-565.	3.7	20
38	Comparative analysis of PCDD/Fs in soil around waste incineration plants in China using CALUX bioassay and HRGC/HRMS. Journal of Hazardous Materials, 2011, 192, 1729-1738.	6.5	18
39	Suppression of dioxins in waste incinerator emissions by recirculating SO2. Chemosphere, 2015, 133, 75-81.	4.2	18
40	Influence of organic and inorganic flocculants on the formation of PCDD/Fs during sewage sludge incineration. Environmental Science and Pollution Research, 2015, 22, 14629-14636.	2.7	17
41	Distribution of PCDD/Fs in the fly ash and atmospheric air of two typical hazardous waste incinerators in eastern China. Environmental Science and Pollution Research, 2015, 22, 1207-1214.	2.7	17
42	Dioxins from medical waste incineration: Normal operation and transient conditions. Waste Management and Research, 2015, 33, 644-651.	2.2	17
43	Behavior of PCDD/Fs, PCBs, CBzs and PAHs during Thermal Treatment of Various Fly Ash from Steel Industry. Aerosol and Air Quality Research, 2018, 18, 1008-1018.	0.9	17
44	PCDD/Fs in soil around a hospital waste incinerator: comparison after three years of operation. Journal of Environmental Sciences, 2012, 24, 699-703.	3.2	16
45	Removal of PCDD/Fs and PCBs from flue gas using a pilot gas cleaning system. Journal of Environmental Sciences, 2013, 25, 1833-1840.	3.2	16
46	High temperature suppression of dioxins. Chemosphere, 2016, 146, 182-188.	4.2	16
47	Long-term monitoring of PCDD/Fs in soils in the vicinity of a hazardous waste incinerator in China: Temporal variations and environmental impacts. Science of the Total Environment, 2020, 713, 136717.	3.9	16
48	Source identification of PCDD/Fs in agricultural soils near to a Chinese MSWI plant through isomer-specific data analysis. Chemosphere, 2008, 71, 1144-1155.	4.2	15
49	Chlorobenzene Formation from Fly Ash: Effect of Moisture, Chlorine Gas, Cupric Chloride, Urea, Ammonia, and Ammonium Sulfate. Environmental Engineering Science, 2012, 29, 890-896.	0.8	15
50	Parameters affecting the formation mechanisms of dioxins in the steel manufacture process. Chemosphere, 2019, 222, 250-257.	4.2	15
51	Emission characteristics for co-combustion of leather wastes, sewage sludge, and coal in a laboratory-scale entrained flow tube furnace. Environmental Science and Pollution Research, 2019, 26, 9707-9716.	2.7	15
52	Influence of the Combination System of Wet Flue Gas Desulfurization and a Wet Electrostatic Precipitator on the Distribution of Polycyclic Aromatic Hydrocarbons in Flue Gas from a Coal-Fired Industrial Plant. Energy & Fuels, 2020, 34, 5707-5714.	2.5	15
53	Formation of dioxins on NiO and NiCl2 at different oxygen concentrations. Chemosphere, 2015, 133, 97-102.	4.2	14
54	Formation, Reduction and Emission Behaviors of CBzs and PCDD/Fs from Cement Plants. Aerosol and Air Quality Research, 2016, 16, 1942-1953.	0.9	14

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55	Remediation of PCB-contaminated soil using a combination of mechanochemical method and thermal desorption. Environmental Science and Pollution Research, 2017, 24, 11800-11806.	2.7	13
56	Progress in fundamental research on thermal desorption remediation of organic compound-contaminated soil. Waste Disposal & Sustainable Energy, 2021, 3, 83-95.	1.1	13
57	Adsorption Characteristics of Polycyclic Aromatic Hydrocarbons by Biomass-Activated Carbon in Flue Gas. Energy & Fuels, 2019, 33, 11477-11485.	2.5	12
58	Inhibition of polychlorinated dibenzo-p-dioxins and dibenzofurans by phosphorus-containing compounds in model fly ash. Chemosphere, 2020, 257, 127168.	4.2	12
59	Low temperature destruction of PCDD/Fs over V2O5-CeO2/TiO2 catalyst with ozone. Environmental Science and Pollution Research, 2016, 23, 17563-17570.	2.7	11
60	Formation of DF, PCDD/Fs and EPFRs from 1,2,3-trichlorobenzene over metal oxide/silica surface. Waste Management, 2020, 118, 27-35.	3.7	11
61	Emission and distribution of PCDD/Fs and CBzs from two co-processing RDF cement plants in China. Environmental Science and Pollution Research, 2016, 23, 11845-11854.	2.7	10
62	Formation mechanism and influencing factors of dioxins during incineration of mineralized refuse. Journal of Cleaner Production, 2022, 342, 130762.	4.6	10
63	ç”Ÿæ´»åžƒåœ¾ç„šçƒ§æ®‹ç°ä¸æœ‰æ¯’æˆåˆ†çš„æŽ’æ”¾ç‰¹æ€§. Journal of Zhejiang University: Science A, 2015, 16, 316-325.	1.3	9
64	Low temperature oxidation of PCDD/Fs by TiO₂â€based V₂O₅/WO₃ catalyst. Environmental Progress and Sustainable Energy, 2016, 35, 1265-1273.	1.3	9
65	Pollutant Emissions during Co-incineration of Landfill Material Refuse-Derived Fuel in a Lab-Scale Municipal Solid Waste Incineration Fluidized Bed Furnace. Energy & Fuels, 2020, 34, 2346-2354.	2.5	9
66	Dispersion modeling and health risk assessment of dioxin emissions from a municipal solid waste incinerator in Hangzhou, China. Journal of Zhejiang University: Science A, 2012, 13, 69-78.	1.3	8
67	Effects of bypass system on PCDD/F emission and chlorine circulation in cement kilns. Environmental Science and Pollution Research, 2016, 23, 19657-19666.	2.7	8
68	PCDD/F formation during thermal desorption of chlorobenzene contaminated soil. Environmental Science and Pollution Research, 2017, 24, 23321-23330.	2.7	8
69	Hot rolling sludge incineration: Suppression of PCDD/Fs by spent anion exchange resins. Journal of Hazardous Materials, 2018, 343, 149-156.	6.5	8
70	Eggshell and plant ash addition during the thermal desorption of polycyclic aromatic hydrocarbonâ€“contaminated coke soil for improved removal efficiency and soil quality. Environmental Science and Pollution Research, 2020, 27, 11050-11065.	2.7	8
71	Field Study on the Emission Characteristics of Micro/Trace Pollutants and Their Correlations from Medical Waste Incineration. Energy & Fuels, 2020, 34, 16381-16388.	2.5	8
72	<i>De novo</i> Formation of PCDD/F during Sintering: Effect of Temperature, Granule Size and Oxygen Content. ISIJ International, 2018, 58, 566-572.	0.6	7

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73	Thermal desorption of PCBs from contaminated soil with copper dichloride. Environmental Science and Pollution Research, 2015, 22, 19093-19100.	2.7	6
74	Effect of Carrier Gas Flow Rate in Thermal Desorption Process of PCBs Contaminated Soil. Advanced Materials Research, 0, 878, 731-738.	0.3	5
75	Low temperature destruction of PCDD/Fs by catalysis coupled with activated carbon. Environmental Science and Pollution Research, 2016, 23, 5459-5467.	2.7	5
76	Suppression of dioxins by S-N inhibitors in pilot-scale experiments. Environmental Science and Pollution Research, 2016, 23, 16463-16477.	2.7	5
77	Ecological risk analysis of the solid residues collected from the thermal disposal process of hyperaccumulator Pteris vittata including heavy metals and environmentally persistent free radicals. Environmental Science and Pollution Research, 2019, 26, 29234-29245.	2.7	5
78	PCDD/Fs characteristics in flue gas and surrounding environment of iron and steel smelting industry. Environmental Science and Pollution Research, 2021, 28, 14092-14104.	2.7	5
79	Formation and control of dioxins during thermal desorption remediation of chlorine and non-chlorine organic contaminated soil. Journal of Hazardous Materials, 2022, 436, 129124.	6.5	4
80	Experimental study on low temperature thermal treatment of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) in fly ash. Frontiers of Energy and Power Engineering in China, 2007, 1, 280-284.	0.4	3
81	Co-processing of the MSWI flue gas in a lab-scale coal-fired drop-tube furnace. Environmental Science and Pollution Research, 2020, 27, 34172-34181.	2.7	3
82	Dioxins and Dioxin-like Compounds. , 2020, , 1211-1265.		3
83	Adsorption of Dioxins on the Entering Raw Meal. Aerosol and Air Quality Research, 2016, 16, 1764-1774.	0.9	2
84	Recycling ash into the first stage of cyclone pre-heater of cement kiln. Waste Management, 2016, 56, 229-237.	3.7	2
85	Thermal reaction characteristics of dioxins on cement kiln dust. RSC Advances, 2018, 8, 3582-3591.	1.7	2
86	Application of the ISCST3 model for predicting PCDD/F concentrations in agricultural soil in the vicinity of a MSWI plant in China. Journal of Zhejiang University: Science A, 2008, 9, 373-380.	1.3	1
87	ICOPE-15-C124 The analysis of influence factors of PAHs distributions in PM2.5 and PM2.5-10 of Fly ash from Coal Fired Power Plants. The Proceedings of the International Conference on Power Engineering (ICOPE), 2015, 2015.12, _ICOPE-15--_ICOPE-15-.	0.0	0
88	Dioxin emission and distribution from cement kiln co-processing of hazardous solid waste. Environmental Science and Pollution Research, 2022, , 1.	2.7	0