

Tong Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6376445/publications.pdf>

Version: 2024-02-01

88
papers

2,049
citations

257101

24
h-index

288905

40
g-index

89
all docs

89
docs citations

89
times ranked

1478
citing authors

#	ARTICLE	IF	CITATIONS
1	Modification of activated carbon using urea to enhance the adsorption of dioxins. <i>Environmental Research</i> , 2022, 204, 112035.	3.7	26
2	Formation mechanism and influencing factors of dioxins during incineration of mineralized refuse. <i>Journal of Cleaner Production</i> , 2022, 342, 130762.	4.6	10
3	Dioxin emission and distribution from cement kiln co-processing of hazardous solid waste. <i>Environmental Science and Pollution Research</i> , 2022, , 1.	2.7	0
4	Formation and control of dioxins during thermal desorption remediation of chlorine and non-chlorine organic contaminated soil. <i>Journal of Hazardous Materials</i> , 2022, 436, 129124.	6.5	4
5	Biochar cathode: Reinforcing electro-Fenton pathway against four-electron reduction by controlled carbonization and surface chemistry. <i>Science of the Total Environment</i> , 2021, 754, 142136.	3.9	40
6	PCDD/Fs characteristics in flue gas and surrounding environment of iron and steel smelting industry. <i>Environmental Science and Pollution Research</i> , 2021, 28, 14092-14104.	2.7	5
7	Formation and inhibition of Polychlorinated-dibenzodioxins and dibenzofurans from mechanical grate municipal solid waste incineration systems. <i>Journal of Hazardous Materials</i> , 2021, 403, 123812.	6.5	23
8	Development of phosphorus-based inhibitors for PCDD/Fs suppression. <i>Waste Management</i> , 2021, 119, 82-90.	3.7	21
9	Progress in fundamental research on thermal desorption remediation of organic compound-contaminated soil. <i>Waste Disposal & Sustainable Energy</i> , 2021, 3, 83-95.	1.1	13
10	Selective production of singlet oxygen from zinc-etching hierarchically porous biochar for sulfamethoxazole degradation. <i>Environmental Pollution</i> , 2021, 290, 117991.	3.7	22
11	Activation of persulfate by CO ₂ -activated biochar for improved phenolic pollutant degradation: Performance and mechanism. <i>Chemical Engineering Journal</i> , 2020, 380, 122519.	6.6	192
12	Formation of DF, PCDD/Fs and EPFRs from 1,2,3-trichlorobenzene over metal oxide/silica surface. <i>Waste Management</i> , 2020, 118, 27-35.	3.7	11
13	Inhibition of polychlorinated dibenzo-p-dioxins and dibenzofurans by phosphorus-containing compounds in model fly ash. <i>Chemosphere</i> , 2020, 257, 127168.	4.2	12
14	Co-processing of the MSWI flue gas in a lab-scale coal-fired drop-tube furnace. <i>Environmental Science and Pollution Research</i> , 2020, 27, 34172-34181.	2.7	3
15	Pollutant Emissions during Co-incineration of Landfill Material Refuse-Derived Fuel in a Lab-Scale Municipal Solid Waste Incineration Fluidized Bed Furnace. <i>Energy & Fuels</i> , 2020, 34, 2346-2354.	2.5	9
16	Long-term monitoring of PCDD/Fs in soils in the vicinity of a hazardous waste incinerator in China: Temporal variations and environmental impacts. <i>Science of the Total Environment</i> , 2020, 713, 136717.	3.9	16
17	Eggshell and plant ash addition during the thermal desorption of polycyclic aromatic hydrocarbon-contaminated coke soil for improved removal efficiency and soil quality. <i>Environmental Science and Pollution Research</i> , 2020, 27, 11050-11065.	2.7	8
18	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. <i>Energy & Fuels</i> , 2020, 34, 5707-5714.	2.5	15

#	ARTICLE	IF	CITATIONS
19	Dioxins and Dioxin-like Compounds. , 2020, , 1211-1265.		3
20	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
21	Ecological risk analysis of the solid residues collected from the thermal disposal process of hyperaccumulator <i>Pteris vittata</i> including heavy metals and environmentally persistent free radicals. Environmental Science and Pollution Research, 2019, 26, 29234-29245.	2.7	5
22	Adsorption Characteristics of Polycyclic Aromatic Hydrocarbons by Biomass-Activated Carbon in Flue Gas. Energy & Fuels, 2019, 33, 11477-11485.	2.5	12
23	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
24	Parameters affecting the formation mechanisms of dioxins in the steel manufacture process. Chemosphere, 2019, 222, 250-257.	4.2	15
25	Enhanced adsorption for Pb(II) and Cd(II) of magnetic rice husk biochar by KMnO ₄ modification. Environmental Science and Pollution Research, 2019, 26, 8902-8913.	2.7	118
26	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
27	Environmentally persistent free radicals in PM _{2.5} : a review. Waste Disposal & Sustainable Energy, 2019, 1, 177-197.	1.1	26
28	Low temperature degradation of polychlorinated dibenzo-p-dioxins and dibenzofurans over a VO _x -CeO _x /TiO ₂ catalyst with addition of ozone. Waste Management, 2018, 76, 555-565.	3.7	20
29	Thermal reaction characteristics of dioxins on cement kiln dust. RSC Advances, 2018, 8, 3582-3591.	1.7	2
30	Catalytic oxidation of PCDD/F on a V ₂ O ₅ -WO ₃ /TiO ₂ catalyst: Effect of chlorinated benzenes and chlorinated phenols. Journal of Hazardous Materials, 2018, 342, 220-230.	6.5	44
31	Hot rolling sludge incineration: Suppression of PCDD/Fs by spent anion exchange resins. Journal of Hazardous Materials, 2018, 343, 149-156.	6.5	8
32	<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
33	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
34	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
35	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
36	PCDD/F formation during thermal desorption of chlorobenzene contaminated soil. Environmental Science and Pollution Research, 2017, 24, 23321-23330.	2.7	8

#	ARTICLE	IF	CITATIONS
37	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
38	Adsorption of Dioxins on the Entering Raw Meal. Aerosol and Air Quality Research, 2016, 16, 1764-1774.	0.9	2
39	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
40	Catalytic Decomposition of PCDD/Fs over Nano-TiO ₂ Based V ₂ O ₅ /CeO ₂ Catalyst at Low Temperature. Aerosol and Air Quality Research, 2016, 16, 2011-2022.	0.9	24
41	Low temperature oxidation of PCDD/Fs by TiO ₂ -based V ₂ O ₅ /WO ₃ catalyst. Environmental Progress and Sustainable Energy, 2016, 35, 1265-1273.	1.3	9
42	Low temperature destruction of PCDD/Fs by catalysis coupled with activated carbon. Environmental Science and Pollution Research, 2016, 23, 5459-5467.	2.7	5
43	Suppression of dioxins after the post-combustion zone of MSWIs. Waste Management, 2016, 54, 153-161.	3.7	32
44	Catalytic destruction of PCDD/Fs over vanadium oxide-based catalysts. Environmental Science and Pollution Research, 2016, 23, 16249-16258.	2.7	22
45	Suppression of dioxins by S-N inhibitors in pilot-scale experiments. Environmental Science and Pollution Research, 2016, 23, 16463-16477.	2.7	5
46	Low temperature destruction of PCDD/Fs over V ₂ O ₅ -CeO ₂ /TiO ₂ catalyst with ozone. Environmental Science and Pollution Research, 2016, 23, 17563-17570.	2.7	11
47	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
48	Recycling ash into the first stage of cyclone pre-heater of cement kiln. Waste Management, 2016, 56, 229-237.	3.7	2
49	Development of new transition metal oxide catalysts for the destruction of PCDD/Fs. Chemosphere, 2016, 156, 383-391.	4.2	38
50	High temperature suppression of dioxins. Chemosphere, 2016, 146, 182-188.	4.2	16
51	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
52	Iron and copper catalysis of PCDD/F formation. Environmental Science and Pollution Research, 2016, 23, 2415-2425.	2.7	21
53	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
54	Mass balance of dioxins over a cement kiln in China. Waste Management, 2015, 36, 130-135.	3.7	28

#	ARTICLE	IF	CITATIONS
55	PCDD/Fs TM suppression by sulfur [€] amine/ammonium compounds. Chemosphere, 2015, 123, 9-16.	4.2	42
56	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
57	Simultaneous suppression of PCDD/F and NO _x during municipal solid waste incineration. Chemosphere, 2015, 126, 60-66.	4.2	53
58	Formation of dioxins on NiO and NiCl ₂ at different oxygen concentrations. Chemosphere, 2015, 133, 97-102.	4.2	14
59	ç”Ÿæ’»åžfåœ¼ç,,šçfšæ®¼çä,æœ%æ”æ^â†çš,,æž’æ”¼ç%o¹æ€. Journal of Zhejiang University: Science A, 2015, 36, 316-325.		
60	Suppression of dioxins in waste incinerator emissions by recirculating SO ₂ . Chemosphere, 2015, 133, 75-81.	4.2	18
61	Dioxins from medical waste incineration: Normal operation and transient conditions. Waste Management and Research, 2015, 33, 644-651.	2.2	17
62	Thermal desorption of PCBs from contaminated soil with copper dichloride. Environmental Science and Pollution Research, 2015, 22, 19093-19100.	2.7	6
63	ICOPE-15-C124 The analysis of influence factors of PAHs distributions in PM _{2.5} and PM _{2.5-10} 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
64	Thermal desorption of PCBs from contaminated soil using nano zerovalent iron. Environmental Science and Pollution Research, 2014, 21, 12739-12746.	2.7	22
65	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
66	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
67	Treating PCDD/Fs by combined catalysis and activated carbon adsorption. Chemosphere, 2014, 102, 31-36.	4.2	36
68	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
69	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
70	PCDD/F Emissions from Hazardous Waste Incinerators in China. Aerosol and Air Quality Research, 2014, 14, 1152-1159.	0.9	21
71	Ozone-enhanced oxidation of PCDD/Fs over V ₂ O ₅ â€TiO ₂ -based catalyst. Chemosphere, 2013, 92, 265-272.	4.2	43
72	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

#	ARTICLE	IF	CITATIONS
73	Chlorobenzene Formation from Fly Ash: Effect of Moisture, Chlorine Gas, Cupric Chloride, Urea, Ammonia, and Ammonium Sulfate. <i>Environmental Engineering Science</i> , 2012, 29, 890-896.	0.8	15
74	Sludge as dioxins suppressant in hospital waste incineration. <i>Waste Management</i> , 2012, 32, 1453-1458.	3.7	22
75	Dispersion modeling and health risk assessment of dioxin emissions from a municipal solid waste incinerator in Hangzhou, China. <i>Journal of Zhejiang University: Science A</i> , 2012, 13, 69-78.	1.3	8
76	PCDD/Fs in soil around a hospital waste incinerator: comparison after three years of operation. <i>Journal of Environmental Sciences</i> , 2012, 24, 699-703.	3.2	16
77	Comparative analysis of PCDD/Fs in soil around waste incineration plants in China using CALUX bioassay and HRGC/HRMS. <i>Journal of Hazardous Materials</i> , 2011, 192, 1729-1738.	6.5	18
78	Persistent organic pollutant emissions from medical waste incinerators in China. <i>Journal of Material Cycles and Waste Management</i> , 2011, 13, 213-218.	1.6	39
79	Effect of temperature and oxygen on the formation of chlorobenzene as the indicator of PCDD/Fs. <i>Journal of Environmental Sciences</i> , 2010, 22, 1637-1642.	3.2	35
80	Levels of PCDD/Fs in soil in the vicinity of a medical waste incinerator in China: The temporal variation during 2007-2009. <i>Journal of Hazardous Materials</i> , 2010, 179, 783-789.	6.5	31
81	Polychlorinated biphenyls emission from a medical waste incinerator in China. <i>Journal of Hazardous Materials</i> , 2009, 172, 1339-1343.	6.5	33
82	Concentrations, Profiles, and Sources of Atmospheric PCDD/Fs near a Municipal Solid Waste Incinerator in Eastern China. <i>Environmental Science & Technology</i> , 2009, 43, 1023-1029.	4.6	67
83	Application of the ISCST3 model for predicting PCDD/F concentrations in agricultural soil in the vicinity of a MSWI plant in China. <i>Journal of Zhejiang University: Science A</i> , 2008, 9, 373-380.	1.3	1
84	Polychlorinated dibenzo-p-dioxins and dibenzofurans in flue gas emissions from municipal solid waste incinerators in China. <i>Journal of Zhejiang University: Science A</i> , 2008, 9, 1296-1303.	1.3	44
85	Source identification of PCDD/Fs in agricultural soils near to a Chinese MSWI plant through isomer-specific data analysis. <i>Chemosphere</i> , 2008, 71, 1144-1155.	4.2	15
86	Interharmonics Analysis Based on Interpolating Windowed FFT Algorithm. <i>IEEE Transactions on Power Delivery</i> , 2007, 22, 1064-1069.	2.9	127
87	Experimental study on low temperature thermal treatment of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) in fly ash. <i>Frontiers of Energy and Power Engineering in China</i> , 2007, 1, 280-284.	0.4	3
88	Effect of Carrier Gas Flow Rate in Thermal Desorption Process of PCBs Contaminated Soil. <i>Advanced Materials Research</i> , 0, 878, 731-738.	0.3	5