

# Dongqin Tan

## List of Publications by Year in descending order

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55  
papers

2,464  
citations

159358

30  
h-index

197535

49  
g-index

56  
all docs

56  
docs citations

56  
times ranked

2821  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D metal-organic framework as highly efficient biosensing platform for ultrasensitive and rapid detection of bisphenol A. <i>Biosensors and Bioelectronics</i> , 2015, 65, 295-301.	5.3	181
2	Bioaccumulation and Trophic Transfer of Short Chain Chlorinated Paraffins in a Marine Food Web from Liaodong Bay, North China. <i>Environmental Science &amp; Technology</i> , 2014, 48, 5964-5971.	4.6	160
3	Environmental Occurrence and Distribution of Short Chain Chlorinated Paraffins in Sediments and Soils from the Liaohe River Basin, P. R. China. <i>Environmental Science &amp; Technology</i> , 2012, 46, 3771-3778.	4.6	151
4	Emissions of PCDD/Fs from municipal solid waste incinerators in China. <i>Chemosphere</i> , 2009, 75, 1153-1158.	4.2	145
5	Nanographene-based tyrosinase biosensor for rapid detection of bisphenol A. <i>Biosensors and Bioelectronics</i> , 2012, 35, 193-199.	5.3	135
6	Development of biosensor technologies for analysis of environmental contaminants. <i>Trends in Environmental Analytical Chemistry</i> , 2014, 2, 25-32.	5.3	96
7	Effects of Short-Chain Chlorinated Paraffins Exposure on the Viability and Metabolism of Human Hepatoma HepG2 Cells. <i>Environmental Science &amp; Technology</i> , 2015, 49, 3076-3083.	4.6	88
8	Highly selective dummy molecularly imprinted polymer as a solid-phase extraction sorbent for five bisphenols in tap and river water. <i>Journal of Chromatography A</i> , 2014, 1343, 33-41.	1.8	79
9	Highly class-selective solid-phase extraction of bisphenols in milk, sediment and human urine samples using well-designed dummy molecularly imprinted polymers. <i>Journal of Chromatography A</i> , 2014, 1360, 9-16.	1.8	72
10	Response Characteristics of Bisphenols on a Metal-Organic Framework-Based Tyrosinase Nanosensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 16533-16539.	4.0	72
11	Advances in sensing and biosensing of bisphenols: A review. <i>Analytica Chimica Acta</i> , 2018, 998, 1-27.	2.6	66
12	Determination of nine bisphenols in sewage and sludge using dummy molecularly imprinted solid-phase extraction coupled with liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1552, 10-16.	1.8	59
13	Developmental and metabolic responses of zebrafish ( <i>Danio rerio</i> ) embryos and larvae to short-chain chlorinated paraffins (SCCPs) exposure. <i>Science of the Total Environment</i> , 2018, 622-623, 214-221.	3.9	56
14	Congener-specific distribution and bioaccumulation of short-chain chlorinated paraffins in sediments and bivalves of the Bohai Sea, China. <i>Marine Pollution Bulletin</i> , 2014, 79, 299-304.	2.3	53
15	Electrochemical biosensing platform based on amino acid ionic liquid functionalized graphene for ultrasensitive biosensing applications. <i>Biosensors and Bioelectronics</i> , 2014, 62, 134-139.	5.3	51
16	Comparing the disrupting effects of short-, medium- and long-chain chlorinated Paraffins on cell viability and metabolism. <i>Science of the Total Environment</i> , 2019, 685, 297-307.	3.9	51
17	Short-chain chlorinated paraffins (SCCPs) induced thyroid disruption by enhancement of hepatic thyroid hormone influx and degradation in male Sprague Dawley rats. <i>Science of the Total Environment</i> , 2018, 625, 657-666.	3.9	49
18	Integration of metabolomics and transcriptomics reveals short-chain chlorinated paraffin-induced hepatotoxicity in male Sprague-Dawley rat. <i>Environment International</i> , 2019, 133, 105231.	4.8	48

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19	Concentrations of short- and medium-chain chlorinated paraffins in indoor dusts from malls in China: Implications for human exposure. <i>Chemosphere</i> , 2017, 172, 103-110.	4.2	45
20	Multiresidue determination and potential risks of emerging pesticides in aquatic products from Northeast China by LC-MS/MS. <i>Journal of Environmental Sciences</i> , 2018, 63, 116-125.	3.2	44
21	Diurnal variations of atmospheric polycyclic aromatic hydrocarbons (PAHs) during three sequent winter haze episodes in Beijing, China. <i>Science of the Total Environment</i> , 2018, 625, 1486-1493.	3.9	43
22	Robust Single-Molecule Enzyme Nanocapsules for Biosensing with Significantly Improved Biosensor Stability. <i>Analytical Chemistry</i> , 2020, 92, 5830-5837.	3.2	41
23	Partitioning and removal behaviors of PCDD/Fs, PCBs and PCNs in a modern municipal solid waste incineration system. <i>Science of the Total Environment</i> , 2020, 735, 139134.	3.9	39
24	Dummy molecularly imprinted solid phase extraction of climbazole from environmental water samples. <i>Talanta</i> , 2019, 196, 47-53.	2.9	38
25	Co <sub>3</sub> O <sub>4</sub> nanoparticles supported mesoporous carbon framework interface for glucose biosensing. <i>Talanta</i> , 2019, 203, 112-121.	2.9	37
26	Controlled Manipulation of Metal-Organic Framework Layers to Nanometer Precision Inside Large Mesochannels of Ordered Mesoporous Silica for Enhanced Removal of Bisphenol A from Water. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 4328-4337.	4.0	36
27	Molecular characterization of dissolved organic matters in winter atmospheric fine particulate matters (PM <sub>2.5</sub> ) from a coastal city of northeast China. <i>Science of the Total Environment</i> , 2019, 689, 312-321.	3.9	35
28	Bioaccumulation and human health implications of essential and toxic metals in freshwater products of Northeast China. <i>Science of the Total Environment</i> , 2019, 673, 768-776.	3.9	33
29	Validation of a HRGC-ECNI/LRMS method to monitor short-chain chlorinated paraffins in human plasma. <i>Journal of Environmental Sciences</i> , 2019, 75, 289-295.	3.2	33
30	Formation and Emission of PCDD/Fs in Chinese Non-Wood Pulp and Paper Mills. <i>Environmental Science &amp; Technology</i> , 2012, 46, 12234-12240.	4.6	32
31	Spatial variation of PCDD/F and PCB emissions and their composition profiles in stack flue gas from the typical cement plants in China. <i>Chemosphere</i> , 2018, 195, 491-497.	4.2	30
32	Short-chain chlorinated paraffins (SCCPs) disrupt hepatic fatty acid metabolism in liver of male rat via interacting with peroxisome proliferator-activated receptor $\alpha$ (PPAR $\alpha$ ). <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 164-171.	2.9	30
33	Multifunctionalized mesoporous silica as an efficient reversed-phase/anion exchange mixed-mode sorbent for solid-phase extraction of four acidic nonsteroidal anti-inflammatory drugs in environmental water samples. <i>Journal of Chromatography A</i> , 2017, 1527, 10-17.	1.8	29
34	Amino Acid Ionic Liquid Modified Mesoporous Carbon: A Tailor-made Nanostructure Biosensing Platform. <i>ChemSusChem</i> , 2012, 5, 1918-1925.	3.6	27
35	Multi-omics analysis to reveal disorders of cell metabolism and integrin signaling pathways induced by PM <sub>2.5</sub> . <i>Journal of Hazardous Materials</i> , 2022, 424, 127573.	6.5	25
36	Solid-phase extraction based on a molecularly imprinted polymer for the selective determination of four benzophenones in tap and river water. <i>Journal of Separation Science</i> , 2015, 38, 3412-3420.	1.3	22

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37	Controllable growth of ZIF-8 layers with nanometer-level precision on SiO <sub>2</sub> nano-powders via liquid phase epitaxy stepwise growth approach. <i>Microporous and Mesoporous Materials</i> , 2018, 268, 268-275.	2.2	21
38	Hyperbranched mixed-mode anion-exchange polymeric sorbent for highly selective extraction of nine acidic non-steroidal anti-inflammatory drugs from human urine. <i>Talanta</i> , 2018, 190, 15-22.	2.9	20
39	Occurrence, accumulation, and health risks of heavy metals in Chinese market baskets. <i>Science of the Total Environment</i> , 2022, 829, 154597.	3.9	20
40	Phenyltrichlorosilane-functionalized magnesium oxide microspheres: Preparation, characterization and application for the selective extraction of dioxin-like polycyclic aromatic hydrocarbons in soils with matrix solid-phase dispersion. <i>Analytica Chimica Acta</i> , 2017, 956, 14-23.	2.6	19
41	Electrophilic Chlorination of Naphthalene in Combustion Flue Gas. <i>Environmental Science &amp; Technology</i> , 2019, 53, 5741-5749.	4.6	18
42	Kinetics of PCDD/Fs Formation from Non-Wood Pulp Bleaching with Chlorine. <i>Environmental Science &amp; Technology</i> , 2014, 48, 4361-4367.	4.6	17
43	Sources and health risks of PM <sub>2.5</sub> -bound polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs) in a North China rural area. <i>Journal of Environmental Sciences</i> , 2020, 95, 240-247.	3.2	17
44	Preparation of a reversed-phase/anion-exchange mixed-mode spherical sorbent by Pickering emulsion polymerization for highly selective solid-phase extraction of acidic pharmaceuticals from wastewater. <i>Journal of Chromatography A</i> , 2017, 1521, 1-9.	1.8	15
45	Levels and fingerprints of chlorinated aromatic hydrocarbons in fly ashes from the typical industrial thermal processes: Implication for the co-formation mechanism. <i>Chemosphere</i> , 2019, 224, 298-305.	4.2	15
46	Effect of short-chain chlorinated paraffins on metabolic profiling of male SD rats. <i>Science of the Total Environment</i> , 2021, 750, 141404.	3.9	12
47	Exposure to short-chain chlorinated paraffins inhibited PPAR $\alpha$ -mediated fatty acid oxidation and stimulated aerobic glycolysis in vitro in human cells. <i>Science of the Total Environment</i> , 2021, 772, 144957.	3.9	12
48	The effect of toxic components on metabolomic response of male SD rats exposed to fine particulate matter. <i>Environmental Pollution</i> , 2021, 272, 115922.	3.7	11
49	Synergistic effect of mixed Cu and Fe oxides and chlorides on electrophilic chlorination of dibenzo-p-dioxin and dibenzofuran. <i>Science of the Total Environment</i> , 2020, 721, 137563.	3.9	9
50	Mass balance and elimination mechanism of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) during the kraft pulping process. <i>Journal of Hazardous Materials</i> , 2020, 398, 122819.	6.5	7
51	Polychlorinated dibenzo-p-dioxin and dibenzofuran precursors and formation mechanisms during non-woodpulp chlorine bleaching process. <i>Chemosphere</i> , 2018, 211, 1-9.	4.2	6
52	Mechanistic aspects of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) formation from chlorine bleaching of non-wood pulp. <i>Journal of Hazardous Materials</i> , 2020, 386, 121652.	6.5	6
53	Characteristics of PAHs, PCDD/Fs, PCBs and PCNs in atmospheric fine particulate matter in Dalian, China. <i>Chemosphere</i> , 2022, 288, 132488.	4.2	5
54	Magnetic magnesium oxide composites for rapid removal of polycyclic aromatic hydrocarbons and cadmium ions from water. <i>Environmental Chemistry</i> , 2020, 17, 479.	0.7	3

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55	Effect of urea on chlorinated aromatics formation mediated by copper and iron species in combustion flue gas. Chemosphere, 2021, 280, 130963.	4.2	0