

Xiaoyu Liu

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

646
citations

623734

14
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

714
citing authors

#	ARTICLE	IF	CITATIONS
1	Full-Scale Chamber Investigation and Simulation of Air Freshener Emissions in the Presence of Ozone. <i>Environmental Science & Technology</i> , 2004, 38, 2802-2812.	10.0	75
2	Concentrations and trends of perfluorinated chemicals in potential indoor sources from 2007 through 2011 in the US. <i>Chemosphere</i> , 2014, 98, 51-57.	8.2	56
3	Determination of fluorotelomer alcohols in selected consumer products and preliminary investigation of their fate in the indoor environment. <i>Chemosphere</i> , 2015, 129, 81-86.	8.2	56
4	Assessing Human Exposure to SVOCs in Materials, Products, and Articles: A Modular Mechanistic Framework. <i>Environmental Science & Technology</i> , 2021, 55, 25-43.	10.0	54
5	Predicting the emission characteristics of VOCs in a simulated vehicle cabin environment based on small-scale chamber tests: Parameter determination and validation. <i>Environment International</i> , 2020, 142, 105817.	10.0	51
6	New approach methodologies for exposure science. <i>Current Opinion in Toxicology</i> , 2019, 15, 76-92.	5.0	46
7	Experimental method development for estimating solid-phase diffusion coefficients and material/air partition coefficients of SVOCs. <i>Atmospheric Environment</i> , 2014, 89, 76-84.	4.1	38
8	Characterization of organophosphorus flame retardants' sorption on building materials and consumer products. <i>Atmospheric Environment</i> , 2016, 140, 333-341.	4.1	38
9	Source emission and model evaluation of formaldehyde from composite and solid wood furniture in a full-scale chamber. <i>Atmospheric Environment</i> , 2015, 122, 561-568.	4.1	32
10	Henry's Law Constant and Overall Mass Transfer Coefficient for Formaldehyde Emission from Small Water Pools under Simulated Indoor Environmental Conditions. <i>Environmental Science & Technology</i> , 2015, 49, 1603-1610.	10.0	27
11	Measurements of Parameters Controlling the Emissions of Organophosphate Flame Retardants in Indoor Environments. <i>Environmental Science & Technology</i> , 2018, 52, 5821-5829.	10.0	27
12	Determination of partition and diffusion coefficients of formaldehyde in selected building materials and impact of relative humidity. <i>Journal of the Air and Waste Management Association</i> , 2012, 62, 671-679.	1.9	22
13	The influence of temperature on the emissions of organophosphate ester flame retardants from polyisocyanurate foam: Measurement and modeling. <i>Chemosphere</i> , 2019, 233, 347-354.	8.2	22
14	Method development for liquid chromatographic/triple quadrupole mass spectrometric analysis of trace level perfluorocarboxylic acids in articles of commerce. <i>Journal of Chromatography A</i> , 2009, 1216, 3910-3918.	3.7	17
15	Sorption and migration of organophosphate flame retardants between sources and settled dust. <i>Chemosphere</i> , 2021, 278, 130415.	8.2	13
16	Predicting the emissions of VOCs/SVOCs in source and sink materials: Development of analytical model and determination of the key parameters. <i>Environment International</i> , 2022, 160, 107064.	10.0	12
17	VOC Sink Behaviour on Building Materials – Model Evaluation. <i>Indoor and Built Environment</i> , 2011, 20, 661-676.	2.8	10
18	Laboratory study of PCB transport from primary sources to settled dust. <i>Chemosphere</i> , 2016, 149, 62-69.	8.2	10

#	ARTICLE	IF	CITATIONS
19	Understanding semi-volatile organic compounds in indoor dust. <i>Indoor and Built Environment</i> , 2022, 31, 291-298.	2.8	9
20	Investigation on the Direct Transfer of SVOCs from Source to Settled Dust: Analytical Model and Key Parameter Determination. <i>Environmental Science & Technology</i> , 2022, 56, 5489-5496.	10.0	9
21	Chamber study of PCB emissions from caulking materials and light ballasts. <i>Chemosphere</i> , 2015, 137, 115-121.	8.2	8
22	Laboratory study of PCB transport from primary sources to building materials. <i>Indoor and Built Environment</i> , 2016, 25, 635-650.	2.8	6
23	Characterise sources for exposure assessment of chemicals in indoor environment. <i>Indoor and Built Environment</i> , 2018, 27, 291-295.	2.8	5
24	ASTM and ASHRAE Standards for the Assessment of Indoor Air Quality. , 2021, , 1-36.		3
25	Laboratory evaluation of polychlorinated biphenyls encapsulation methods. <i>Indoor and Built Environment</i> , 2016, 25, 895-915.	2.8	0