Jianping Cao

List of Publications by Year
in descending order

33 papers	897 citations	393982 19 h-index	454577 30 g-index
39 all docs	39 docs citations	39 times ranked	575 citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing and controlling infection risk with Wells-Riley model and spatial flow impact factor (SFIF). Sustainable Cities and Society, 2021, 67, 102719.	5.1	80
2	Understanding and controlling airborne organic compounds in the indoor environment: mass transfer analysis and applications. Indoor Air, 2016, 26, 39-60.	2.0	65
3	C_m-History Method, a Novel Approach to Simultaneously Measure Source and Sink Parameters Important for Estimating Indoor Exposures to Phthalates. Environmental Science & Technology, 2016, 50, 825-834.	4.6	64
4	A SPME-based method for rapidly and accurately measuring the characteristic parameter for DEHP emitted from PVC floorings. Indoor Air, 2017, 27, 417-426.	2.0	56
5	Assessing Human Exposure to SVOCs in Materials, Products, and Articles: A Modular Mechanistic Framework. Environmental Science & Technology, 2021, 55, 25-43.	4.6	54
6	Particle/Gas Partitioning of Phthalates to Organic and Inorganic Airborne Particles in the Indoor Environment. Environmental Science & Technology, 2018, 52, 3583-3590.	4.6	42
7	Improved C-history method for rapidly and accurately measuring the characteristic parameters of formaldehyde/VOCs emitted from building materials. Building and Environment, 2018, 143, 570-578.	3.0	40
8	Predicting Dermal Exposure to Gas-Phase Semivolatile Organic Compounds (SVOCs): A Further Study of SVOC Mass Transfer between Clothing and Skin Surface Lipids. Environmental Science & Technology, 2018, 52, 4676-4683.	4.6	39
9	Equilibrium Relationship between SVOCs in PVC Products and the Air in Contact with the Product. Environmental Science & Technology, 2018, 52, 2918-2925.	4.6	37
10	Indoor particle age, a new concept for improving the accuracy of estimating indoor airborne SVOC concentrations, and applications. Building and Environment, 2018, 136, 88-97.	3.0	35
11	Modeling the formation and growth of organic films on indoor surfaces. Indoor Air, 2019, 29, 17-29.	2.0	35
12	Mechanistic insights into complete oxidation of chlorobenzene to CO2 via wet scrubber coupled with UV/PDS. Chemical Engineering Journal, 2020, 401, 126077.	6.6	32
13	Selective photocatalytic oxidation of gaseous ammonia at ppb level over Pt and F modified TiO2. Applied Catalysis B: Environmental, 2022, 300, 120688.	10.8	30
14	Simultaneous removal of multiple indoor-air pollutants using a combined process of electrostatic precipitation and catalytic decomposition. Chemical Engineering Journal, 2020, 388, 124219.	6.6	27
15	Early stage C-history method: Rapid and accurate determination of the key SVOC emission or sorption parameters of indoor materials. Building and Environment, 2016, 95, 314-321.	3.0	25
16	Transient Method for Determining Indoor Chemical Concentrations Based on SPME: Model Development and Calibration. Environmental Science & Technology, 2016, 50, 9452-9459.	4.6	24
17	Time dependence of characteristic parameter for semi-volatile organic compounds (SVOCs) emitted from indoor materials. Building and Environment, 2017, 125, 339-347.	3.0	24
18	Emissions of Phthalates from Indoor Flat Materials in Chinese Residences. Environmental Science & Technology, 2018, 52, 13166-13173.	4.6	24

#	ARTICLE	IF	CITATIONS
19	Effective regulation of surface bridging hydroxyls on TiO2 for superior photocatalytic activity via ozone treatment. Applied Catalysis B: Environmental, 2022, 304, 120952.	10.8	22
20	SPME-Based C_a-History Method for Measuring SVOC Diffusion Coefficients in Clothing Material. Environmental Science & Technology, 2017, 51, 9137-9145.	4.6	19
21	Dynamic method to measure partition coefficient and mass accommodation coefficient for gas–particle interaction of phthalates. Aerosol Science and Technology, 2019, 53, 1158-1171.	1.5	19
22	Toluene oxidation over mesoporous TiO2 in a combined process of wet-scrubbing and UV-catalysis. Chemosphere, 2020, 244, 125567.	4.2	19
23	Inverse Problem Optimization Method to Design Passive Samplers for Volatile Organic Compounds: Principle and Application. Environmental Science & Technology, 2016, 50, 13477-13485.	4.6	17
24	Influence of airborne particles on convective mass transfer of SVOCs on flat surfaces: Novel insight and estimation formula. International Journal of Heat and Mass Transfer, 2017, 115, 127-136.	2.5	16
25	Simplifying analysis of sorption of SVOCs to particles: Lumped parameter method and application condition. International Journal of Heat and Mass Transfer, 2016, 99, 402-408.	2.5	12
26	Role of Clothing in Skin Exposure to Di(n-butyl) Phthalate and Tris(1-chloro-2-propyl) Phosphate: Experimental Observations via Skin Wipes. Environmental Science and Technology Letters, 2021, 8, 270-275.	3.9	9
27	Potential role of intraparticle diffusion in dynamic partitioning of secondary organic aerosols. Atmospheric Pollution Research, 2018, 9, 1131-1136.	1.8	8
28	Phthalates in Chinese vehicular environments: Source emissions, concentrations, and human exposure. Indoor Air, 2021, 31, 2118-2129.	2.0	8
29	Emissions of DEHP from vehicle cabin materials: parameter determination, impact factors and exposure analysis. Environmental Sciences: Processes and Impacts, 2019, 21, 1323-1333.	1.7	6
30	Accelerated oxidation of VOCs via vacuum ultraviolet photolysis coupled with wet scrubbing process. Journal of Environmental Sciences, 2023, 134, 55-64.	3.2	5
31	Impacts of sampling-tube loss on quantitative analysis of gaseous semi-volatile organic compounds (SVOCs) using an SPME-based active sampler. Chemosphere, 2022, 301, 134780.	4.2	3
32	Quantitative Analysis of Indoor Gaseous Semi-Volatile Organic Compounds Using Solid-Phase Microextraction: Active Sampling and Calibration. Atmosphere, 2022, 13, 693.	1.0	1
33	The Effect of Grime Layers on Indoor Surfaces on SVOC Emission and Transport. ISEE Conference Abstracts, 2018, 2018, .	0.0	0