

Jianping Cao

List of Publications by Year in descending order

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33
papers

897
citations

394286

19
h-index

454834

30
g-index

39
all docs

39
docs citations

39
times ranked

575
citing authors

#	ARTICLE	IF	CITATIONS
1	Accelerated oxidation of VOCs via vacuum ultraviolet photolysis coupled with wet scrubbing process. <i>Journal of Environmental Sciences</i> , 2023, 134, 55-64.	3.2	5
2	Selective photocatalytic oxidation of gaseous ammonia at ppb level over Pt and F modified TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2022, 300, 120688.	10.8	30
3	Effective regulation of surface bridging hydroxyls on TiO ₂ for superior photocatalytic activity via ozone treatment. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 120952.	10.8	22
4	Quantitative Analysis of Indoor Gaseous Semi-Volatile Organic Compounds Using Solid-Phase Microextraction: Active Sampling and Calibration. <i>Atmosphere</i> , 2022, 13, 693.	1.0	1
5	Impacts of sampling-tube loss on quantitative analysis of gaseous semi-volatile organic compounds (SVOCs) using an SPME-based active sampler. <i>Chemosphere</i> , 2022, 301, 134780.	4.2	3
6	Assessing Human Exposure to SVOCs in Materials, Products, and Articles: A Modular Mechanistic Framework. <i>Environmental Science & Technology</i> , 2021, 55, 25-43.	4.6	54
7	Role of Clothing in Skin Exposure to Di(n-butyl) Phthalate and Tris(1-chloro-2-propyl) Phosphate: Experimental Observations via Skin Wipes. <i>Environmental Science and Technology Letters</i> , 2021, 8, 270-275.	3.9	9
8	Assessing and controlling infection risk with Wells-Riley model and spatial flow impact factor (SFIF). <i>Sustainable Cities and Society</i> , 2021, 67, 102719.	5.1	80
9	Phthalates in Chinese vehicular environments: Source emissions, concentrations, and human exposure. <i>Indoor Air</i> , 2021, 31, 2118-2129.	2.0	8
10	Toluene oxidation over mesoporous TiO ₂ in a combined process of wet-scrubbing and UV-catalysis. <i>Chemosphere</i> , 2020, 244, 125567.	4.2	19
11	Mechanistic insights into complete oxidation of chlorobenzene to CO ₂ via wet scrubber coupled with UV/PDS. <i>Chemical Engineering Journal</i> , 2020, 401, 126077.	6.6	32
12	Simultaneous removal of multiple indoor-air pollutants using a combined process of electrostatic precipitation and catalytic decomposition. <i>Chemical Engineering Journal</i> , 2020, 388, 124219.	6.6	27
13	Emissions of DEHP from vehicle cabin materials: parameter determination, impact factors and exposure analysis. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 1323-1333.	1.7	6
14	Dynamic method to measure partition coefficient and mass accommodation coefficient for gas-particle interaction of phthalates. <i>Aerosol Science and Technology</i> , 2019, 53, 1158-1171.	1.5	19
15	Modeling the formation and growth of organic films on indoor surfaces. <i>Indoor Air</i> , 2019, 29, 17-29.	2.0	35
16	Equilibrium Relationship between SVOCs in PVC Products and the Air in Contact with the Product. <i>Environmental Science & Technology</i> , 2018, 52, 2918-2925.	4.6	37
17	Particle/Gas Partitioning of Phthalates to Organic and Inorganic Airborne Particles in the Indoor Environment. <i>Environmental Science & Technology</i> , 2018, 52, 3583-3590.	4.6	42
18	Predicting Dermal Exposure to Gas-Phase Semivolatile Organic Compounds (SVOCs): A Further Study of SVOC Mass Transfer between Clothing and Skin Surface Lipids. <i>Environmental Science & Technology</i> , 2018, 52, 4676-4683.	4.6	39

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19	Indoor particle age, a new concept for improving the accuracy of estimating indoor airborne SVOC concentrations, and applications. <i>Building and Environment</i> , 2018, 136, 88-97.	3.0	35
20	Emissions of Phthalates from Indoor Flat Materials in Chinese Residences. <i>Environmental Science & Technology</i> , 2018, 52, 13166-13173.	4.6	24
21	Potential role of intraparticle diffusion in dynamic partitioning of secondary organic aerosols. <i>Atmospheric Pollution Research</i> , 2018, 9, 1131-1136.	1.8	8
22	Improved C-history method for rapidly and accurately measuring the characteristic parameters of formaldehyde/VOCs emitted from building materials. <i>Building and Environment</i> , 2018, 143, 570-578.	3.0	40
23	The Effect of Grime Layers on Indoor Surfaces on SVOC Emission and Transport. <i>ISEE Conference Abstracts</i> , 2018, 2018, .	0.0	0
24	A SPME-based method for rapidly and accurately measuring the characteristic parameter for DEHP emitted from PVC floorings. <i>Indoor Air</i> , 2017, 27, 417-426.	2.0	56
25	Time dependence of characteristic parameter for semi-volatile organic compounds (SVOCs) emitted from indoor materials. <i>Building and Environment</i> , 2017, 125, 339-347.	3.0	24
26	SPME-Based C _a -History Method for Measuring SVOC Diffusion Coefficients in Clothing Material. <i>Environmental Science & Technology</i> , 2017, 51, 9137-9145.	4.6	19
27	Influence of airborne particles on convective mass transfer of SVOCs on flat surfaces: Novel insight and estimation formula. <i>International Journal of Heat and Mass Transfer</i> , 2017, 115, 127-136.	2.5	16
28	Understanding and controlling airborne organic compounds in the indoor environment: mass transfer analysis and applications. <i>Indoor Air</i> , 2016, 26, 39-60.	2.0	65
29	Simplifying analysis of sorption of SVOCs to particles: Lumped parameter method and application condition. <i>International Journal of Heat and Mass Transfer</i> , 2016, 99, 402-408.	2.5	12
30	Transient Method for Determining Indoor Chemical Concentrations Based on SPME: Model Development and Calibration. <i>Environmental Science & Technology</i> , 2016, 50, 9452-9459.	4.6	24
31	Inverse Problem Optimization Method to Design Passive Samplers for Volatile Organic Compounds: Principle and Application. <i>Environmental Science & Technology</i> , 2016, 50, 13477-13485.	4.6	17
32	C _m -History Method, a Novel Approach to Simultaneously Measure Source and Sink Parameters Important for Estimating Indoor Exposures to Phthalates. <i>Environmental Science & Technology</i> , 2016, 50, 825-834.	4.6	64
33	Early stage C-history method: Rapid and accurate determination of the key SVOC emission or sorption parameters of indoor materials. <i>Building and Environment</i> , 2016, 95, 314-321.	3.0	25