Shihe Xu

List of Publications by Year
in descending order

27 papers	755 citations	516710 16 h-index	580821 25 g-index
27 all docs	27 docs citations	27 times ranked	422 citing authors

#	Article	IF	Citations
1	Method for Simultaneous Determination of Partition Coefficients for Cyclic Volatile Methylsiloxanes and Dimethylsilanediol. Analytical Chemistry, 2012, 84, 1948-1955.	6.5	97
2	Critical Review and Interpretation of Environmental Data for Volatile Methylsiloxanes: Partition Properties. Environmental Science & Technology, 2014, 48, 11748-11759.	10.0	63
3	Chemical fate, latitudinal distribution and long-range transport of cyclic volatile methylsiloxanes in the global environment: A modeling assessment. Chemosphere, 2013, 93, 835-843.	8.2	60
4	Fate of Cyclic Methylsiloxanes in Soils. 1. The Degradation Pathway. Environmental Science & Technology, 1999, 33, 603-608.	10.0	52
5	Evaluation of the threeâ€phase equilibrium method for measuring temperature dependence of internally consistent partition coefficients (K_{OW}, K_{OA}, and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 and Chemistry, 2014, 33, 2702-2710.	4.3	52
6	The atmospheric lifetimes and concentrations of cyclic methylsiloxanes octamethylcyclotetrasiloxane (D4) and decamethylcyclopentasiloxane (D5) and the influence of heterogeneous uptake. Atmospheric Environment, 2011, 45, 3181-3191.	4.1	49
7	Fate of Cyclic Methylsiloxanes in Soils. 2. Rates of Degradation and Volatilization. Environmental Science & Technology, 1999, 33, 4034-4039.	10.0	47
8	Determination of soilâ€“water sorption coefficients of volatile methylsiloxanes. Environmental Toxicology and Chemistry, 2014, 33, 1937-1945.	4.3	45
9	Distribution, Elimination, and Rearrangement of Cyclic Volatile Methylsiloxanes in Oil-Contaminated Soil of the Shengli Oilfield, China. Environmental Science & Technology, 2015, 49, 11527-11535.	10.0	41
10	Hydrolysis of Poly(dimethylsiloxanes) on Clay Minerals As Influenced by Exchangeable Cations and Moisture. Environmental Science & Technology, 1998, 32, 3162-3168.	10.0	37
11	Octanol/Air Partition Coefficients of Volatile Methylsiloxanes and Their Temperature Dependence. Journal of Chemical & Engineering Data, 2013, 58, 136-142.	1.9	31
12	Heterogeneous uptake of octamethylcyclotetrasiloxane (D4) and decamethylcyclopentasiloxane (D5) onto mineral dust aerosol under variable RH conditions. Atmospheric Environment, 2009, 43, 4060-4069.	4.1	24
13	Long-range transport potential and atmospheric persistence of cyclic volatile methylsiloxanes based on global measurements. Chemosphere, 2019, 228, 460-468.	8.2	22
14	Effect of Ozone and Relative Humidity on the Heterogeneous Uptake of Octamethylcyclotetrasiloxane and Decamethylcyclopentasiloxane on Model Mineral Dust Aerosol Components. Journal of Physical Chemistry A, 2009, 113, 7030-7038.	2.5	21
15	Methylsiloxanes Release from One Landfill through Yearly Cycle and Their Removal Mechanisms (Especially Hydroxylation) In Leachates. Environmental Science & Technology, 2017, 51, 12337-12346.	10.0	21
16	Quantitative structureâ€reactivity relationships of hydroxyl radical rate constants for linear and cyclic volatile methylsiloxanes. Environmental Toxicology and Chemistry, 2017, 36, 3240-3245.	4.3	21
17	Chlorinated-Methylsiloxanes in Shengli Oilfield: Their Generation in Oil-Production Wastewater Treatment Plant and Presence in the Surrounding Soils. Environmental Science & Technology, 2019, 53, 3558-3567.	10.0	14
18	Sorption and desorption kinetics and isotherms of volatile methylsiloxanes with atmospheric aerosols. Chemosphere, 2016, 144, 555-563.	8.2	12

#	Article	IF	Citations
19	Extraction and quantitative analysis of water by GC/MS for trace-level dimethylsilanediol (DMSD). Journal of Chromatography A, 2019, 1600, 1-8.	3.7	12
20	Comment on â€œUnexpected Occurrence of Volatile Dimethylsiloxanes in Antarctic Soils, Vegetation, Phytoplankton, and Krillâ€• Environmental Science & Technology, 2015, 49, 7507-7509.	10.0	11
21	Sources and Fate of Cyclic Phenylmethylsiloxanes in One Municipal Wastewater Treatment Plant and Biosolids-Amended Soil. Environmental Science & Technology, 2018, 52, 9835-9844.	10.0	9
22	Quantitative analysis of trace- and ultratrace-level Dimethylsilanediol (DMSD) in water, soil, sediment and biosolids by liquid chromatography-triple quadrupole tandem mass spectrometry. International Journal of Environmental Analytical Chemistry, 2020, 100, 241-253.	3.3	5
23	Comment on â€œBioaccumulation of Methyl Siloxanes in Common Carp (Cyprinus carpio) and in an Estuarine Food Web in Northeastern Chinaâ€• Archives of Environmental Contamination and Toxicology, 2020, 78, 163-173.	4.1	4
24	Extraction and quantitative analysis of water, sediment, soil and biosolids for trace-level trimethylsilanol. International Journal of Environmental Analytical Chemistry, 2020, 100, 268-281.	3.3	3
25	Cyclic Phenylmethylsiloxane Oligomers in Municipal Landfills and Their Elimination Mechanisms in Leachate Treatment Processes. Environmental Science & Technology, 2021, 55, 3756-3764.	10.0	2
26	Comment on â€œOptimization of suspect and non-target analytical methods using GC/TOF for prioritization of emerging contaminants in the Arctic environmentâ€• Ecotoxicology and Environmental Safety, 2021, 217, 112223.	6.0	0
27	Measuring snow scavenging of two airborne cyclic volatile methylsiloxanes under controlled conditions. Chemosphere, 2021, 285, 131291.	8.2	0