

# Shihe Xu

## List of Publications by Year in descending order

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27  
papers

755  
citations

516710

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580821

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docs citations

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times ranked

422  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclic Phenylmethylsiloxane Oligomers in Municipal Landfills and Their Elimination Mechanisms in Leachate Treatment Processes. <i>Environmental Science &amp; Technology</i> , 2021, 55, 3756-3764.	10.0	2
2	Comment on "Optimization of suspect and non-target analytical methods using GC/TOF for prioritization of emerging contaminants in the Arctic environment". <i>Ecotoxicology and Environmental Safety</i> , 2021, 217, 112223.	6.0	0
3	Measuring snow scavenging of two airborne cyclic volatile methylsiloxanes under controlled conditions. <i>Chemosphere</i> , 2021, 285, 131291.	8.2	0
4	Quantitative analysis of trace- and ultratrace-level Dimethylsilanediol (DMSD) in water, soil, sediment and biosolids by liquid chromatography-triple quadrupole tandem mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, 100, 241-253.	3.3	5
5	Extraction and quantitative analysis of water, sediment, soil and biosolids for trace-level trimethylsilanol. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, 100, 268-281.	3.3	3
6	Comment on "Bioaccumulation of Methyl Siloxanes in Common Carp ( <i>Cyprinus carpio</i> ) and in an Estuarine Food Web in Northeastern China". <i>Archives of Environmental Contamination and Toxicology</i> , 2020, 78, 163-173.	4.1	4
7	Extraction and quantitative analysis of water by GC/MS for trace-level dimethylsilanediol (DMSD). <i>Journal of Chromatography A</i> , 2019, 1600, 1-8.	3.7	12
8	Long-range transport potential and atmospheric persistence of cyclic volatile methylsiloxanes based on global measurements. <i>Chemosphere</i> , 2019, 228, 460-468.	8.2	22
9	Chlorinated-Methylsiloxanes in Shengli Oilfield: Their Generation in Oil-Production Wastewater Treatment Plant and Presence in the Surrounding Soils. <i>Environmental Science &amp; Technology</i> , 2019, 53, 3558-3567.	10.0	14
10	Sources and Fate of Cyclic Phenylmethylsiloxanes in One Municipal Wastewater Treatment Plant and Biosolids-Amended Soil. <i>Environmental Science &amp; Technology</i> , 2018, 52, 9835-9844.	10.0	9
11	Methylsiloxanes Release from One Landfill through Yearly Cycle and Their Removal Mechanisms (Especially Hydroxylation) In Leachates. <i>Environmental Science &amp; Technology</i> , 2017, 51, 12337-12346.	10.0	21
12	Quantitative structure-reactivity relationships of hydroxyl radical rate constants for linear and cyclic volatile methylsiloxanes. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 3240-3245.	4.3	21
13	Sorption and desorption kinetics and isotherms of volatile methylsiloxanes with atmospheric aerosols. <i>Chemosphere</i> , 2016, 144, 555-563.	8.2	12
14	Comment on "Unexpected Occurrence of Volatile Dimethylsiloxanes in Antarctic Soils, Vegetation, Phytoplankton, and Krill". <i>Environmental Science &amp; Technology</i> , 2015, 49, 7507-7509.	10.0	11
15	Distribution, Elimination, and Rearrangement of Cyclic Volatile Methylsiloxanes in Oil-Contaminated Soil of the Shengli Oilfield, China. <i>Environmental Science &amp; Technology</i> , 2015, 49, 11527-11535.	10.0	41
16	Critical Review and Interpretation of Environmental Data for Volatile Methylsiloxanes: Partition Properties. <i>Environmental Science &amp; Technology</i> , 2014, 48, 11748-11759.	10.0	63
17	Determination of soil-water sorption coefficients of volatile methylsiloxanes. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1937-1945.	4.3	45
18	Evaluation of the three-phase equilibrium method for measuring temperature dependence of internally consistent partition coefficients ( $K_{OW}$ , $K_{OA}$ , and $T_j$ ) <i>Environmental Science and Technology</i> , 2014, 33, 2702-2710.	4.3	52

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19	Chemical fate, latitudinal distribution and long-range transport of cyclic volatile methylsiloxanes in the global environment: A modeling assessment. <i>Chemosphere</i> , 2013, 93, 835-843.	8.2	60
20	Octanol/Air Partition Coefficients of Volatile Methylsiloxanes and Their Temperature Dependence. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 136-142.	1.9	31
21	Method for Simultaneous Determination of Partition Coefficients for Cyclic Volatile Methylsiloxanes and Dimethylsilanediol. <i>Analytical Chemistry</i> , 2012, 84, 1948-1955.	6.5	97
22	The atmospheric lifetimes and concentrations of cyclic methylsiloxanes octamethylcyclotetrasiloxane (D4) and decamethylcyclopentasiloxane (D5) and the influence of heterogeneous uptake. <i>Atmospheric Environment</i> , 2011, 45, 3181-3191.	4.1	49
23	Heterogeneous uptake of octamethylcyclotetrasiloxane (D4) and decamethylcyclopentasiloxane (D5) onto mineral dust aerosol under variable RH conditions. <i>Atmospheric Environment</i> , 2009, 43, 4060-4069.	4.1	24
24	Effect of Ozone and Relative Humidity on the Heterogeneous Uptake of Octamethylcyclotetrasiloxane and Decamethylcyclopentasiloxane on Model Mineral Dust Aerosol Components. <i>Journal of Physical Chemistry A</i> , 2009, 113, 7030-7038.	2.5	21
25	Fate of Cyclic Methylsiloxanes in Soils. 1. The Degradation Pathway. <i>Environmental Science &amp; Technology</i> , 1999, 33, 603-608.	10.0	52
26	Fate of Cyclic Methylsiloxanes in Soils. 2. Rates of Degradation and Volatilization. <i>Environmental Science &amp; Technology</i> , 1999, 33, 4034-4039.	10.0	47
27	Hydrolysis of Poly(dimethylsiloxanes) on Clay Minerals As Influenced by Exchangeable Cations and Moisture. <i>Environmental Science &amp; Technology</i> , 1998, 32, 3162-3168.	10.0	37