

# William C Keene

## List of Publications by Year in descending order

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34  
papers

4,100  
citations

201674

27  
h-index

377865

34  
g-index

35  
all docs

35  
docs citations

35  
times ranked

3815  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sea-salt corrections and interpretation of constituent ratios in marine precipitation. <i>Journal of Geophysical Research</i> , 1986, 91, 6647-6658.	3.3	671
2	Measurement of weak organic acidity in precipitation from remote areas of the world. <i>Journal of Geophysical Research</i> , 1983, 88, 5122-5130.	3.3	352
3	Composite global emissions of reactive chlorine from anthropogenic and natural sources: Reactive Chlorine Emissions Inventory. <i>Journal of Geophysical Research</i> , 1999, 104, 8429-8440.	3.3	311
4	Global chlorine emissions from biomass burning: Reactive Chlorine Emissions Inventory. <i>Journal of Geophysical Research</i> , 1999, 104, 8373-8389.	3.3	303
5	Chemical and physical characteristics of nascent aerosols produced by bursting bubbles at a model air-sea interface. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	259
6	Aerosol pH in the marine boundary layer. <i>Journal of Aerosol Science</i> , 1998, 29, 339-356.	3.8	246
7	The geochemical cycling of reactive chlorine through the marine troposphere. <i>Global Biogeochemical Cycles</i> , 1990, 4, 407-430.	4.9	240
8	Concentrations, isotopic compositions, and sources of size-resolved, particulate organic carbon and oxalate in near-surface marine air at Bermuda during spring. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	120
9	Marine biogenic and anthropogenic contributions to non-sea-salt sulfate in the marine boundary layer over the North Atlantic Ocean. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 3-1.	3.3	119
10	Closure evaluation of size-resolved aerosol pH in the New England coastal atmosphere during summer. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	118
11	A general circulation model based calculation of HCl and ClNO <sub>2</sub> production from sea salt dechlorination: Reactive Chlorine Emissions Inventory. <i>Journal of Geophysical Research</i> , 1999, 104, 8347-8372.	3.3	111
12	Understanding the role of the ground surface in HONO vertical structure: High resolution vertical profiles during NACHTT-1. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,155.	3.3	111
13	The pH of deliquesced sea-salt aerosol in polluted marine air. <i>Geophysical Research Letters</i> , 1998, 25, 2181-2184.	4.0	106
14	Measurement technique for inorganic chlorine gases in the marine boundary layer. <i>Environmental Science &amp; Technology</i> , 1993, 27, 866-874.	10.0	97
15	An intercomparison of measurement systems for vapor and particulate phase concentrations of formic and acetic acids. <i>Journal of Geophysical Research</i> , 1989, 94, 6457-6471.	3.3	96
16	Inorganic chlorine and bromine in coastal New England air during summer. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	93
17	Emissions of major gaseous and particulate species during experimental burns of southern African biomass. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	84
18	Variation of marine aerosol acidity with particle size. <i>Geophysical Research Letters</i> , 2002, 29, 5-1.	4.0	74

#	ARTICLE	IF	CITATIONS
19	Global impact of nitrate photolysis in sea-salt aerosol on NO <sub>2</sub> , OH, and O <sub>3</sub> in the marine boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 11185-11203.	4.9	62
20	Phase partitioning and dry deposition of atmospheric nitrogen at the mid-Atlantic U.S. coast. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	57
21	Ammonia sources, transport, transformation, and deposition in coastal New England during summer. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	56
22	Phase partitioning of soluble trace gases with size-resolved aerosols in near-surface continental air over northern Colorado, USA, during winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9414-9427.	3.3	56
23	Photochemical production of hydroxyl radical and hydroperoxides in water extracts of nascent marine aerosols produced by bursting bubbles from Sargasso seawater. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	45
24	Ambient air quality in the Kathmandu Valley, Nepal, during the pre-monsoon: concentrations and sources of particulate matter and trace gases. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2927-2951.	4.9	40
25	Atmospheric Wet Deposition in Remote Regions: Benchmarks for Environmental Change. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 2947-2978.	1.7	36
26	Coupled ocean-atmosphere loss of marine refractory dissolved organic carbon. <i>Geophysical Research Letters</i> , 2016, 43, 2765-2772.	4.0	35
27	Volatile inorganic Cl in surface air over eastern North America. <i>Geophysical Research Letters</i> , 1995, 22, 3513-3516.	4.0	29
28	Properties of Seawater Surfactants Associated with Primary Marine Aerosol Particles Produced by Bursting Bubbles at a Model Air-Sea Interface. <i>Environmental Science &amp; Technology</i> , 2019, 53, 9407-9417.	10.0	28
29	Oceanic efflux of ancient marine dissolved organic carbon in primary marine aerosol. <i>Science Advances</i> , 2019, 5, eaax6535.	10.3	27
30	Application of stable sulfur isotopes to differentiate sources of size-resolved Particulate sulfate in polluted marine air at Bermuda during spring. <i>Geophysical Research Letters</i> , 2001, 28, 1491-1494.	4.0	26
31	Factors That Modulate Properties of Primary Marine Aerosol Generated From Ambient Seawater on Ships at Sea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11,961.	3.3	22
32	Comment on "Reactions at Interfaces As a Source of Sulfate Formation in Sea-Salt Particles" (I). <i>Science</i> , 2004, 303, 628b-628.	12.6	18
33	Marine Aerosol Production via Detrainment of Bubble Plumes Generated in Natural Seawater With a Forced-Air Venturi. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10931-10950.	3.3	9
34	Jarvis L. Moyers (1943-2011). <i>Eos</i> , 2011, 92, 351-351.	0.1	0