

Christopher Lee

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

2,592
citations

304743

22
h-index

377865

34
g-index

35
all docs

35
docs citations

35
times ranked

2633
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple sequence alignment using partial order graphs. <i>Bioinformatics</i> , 2002, 18, 452-464.	4.1	695
2	Sea spray aerosol as a unique source of ice nucleating particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5797-5803.	7.1	323
3	Microbial Control of Sea Spray Aerosol Composition: A Tale of Two Blooms. <i>ACS Central Science</i> , 2015, 1, 124-131.	11.3	172
4	Analysis of Organic Anionic Surfactants in Fine and Coarse Fractions of Freshly Emitted Sea Spray Aerosol. <i>Environmental Science & Technology</i> , 2016, 50, 2477-2486.	10.0	143
5	ASAP: the Alternative Splicing Annotation Project. <i>Nucleic Acids Research</i> , 2003, 31, 101-105.	14.5	142
6	Molecular Diversity of Sea Spray Aerosol Particles: Impact of Ocean Biology on Particle Composition and Hygroscopicity. <i>CheM</i> , 2017, 2, 655-667.	11.7	111
7	Taxon-specific aerosolization of bacteria and viruses in an experimental ocean-atmosphere mesocosm. <i>Nature Communications</i> , 2018, 9, 2017.	12.8	103
8	A Dynamic Link between Ice Nucleating Particles Released in Nascent Sea Spray Aerosol and Oceanic Biological Activity during Two Mesocosm Experiments. <i>Journals of the Atmospheric Sciences</i> , 2017, 74, 151-166.	1.7	93
9	Enrichment of Saccharides and Divalent Cations in Sea Spray Aerosol During Two Phytoplankton Blooms. <i>Environmental Science & Technology</i> , 2016, 50, 11511-11520.	10.0	90
10	Bioinformatics analysis of alternative splicing. <i>Briefings in Bioinformatics</i> , 2005, 6, 23-33.	6.5	88
11	Acidity across the interface from the ocean surface to sea spray aerosol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	73
12	The Impact of Aerosol Particle Mixing State on the Hygroscopicity of Sea Spray Aerosol. <i>ACS Central Science</i> , 2015, 1, 132-141.	11.3	64
13	Advancing Model Systems for Fundamental Laboratory Studies of Sea Spray Aerosol Using the Microbial Loop. <i>Journal of Physical Chemistry A</i> , 2015, 119, 8860-8870.	2.5	62
14	Analysis of alternative splicing with microarrays: successes and challenges. <i>Genome Biology</i> , 2004, 5, 231.	9.6	55
15	Phytoplankton blooms weakly influence the cloud forming ability of sea spray aerosol. <i>Geophysical Research Letters</i> , 2016, 43, 9975-9983.	4.0	52
16	Ice nucleation by particles containing long-chain fatty acids of relevance to freezing by sea spray aerosols. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1559-1569.	3.5	37
17	Biological Impacts on Carbon Speciation and Morphology of Sea Spray Aerosol. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 551-561.	2.7	36
18	Chemical properties of insoluble precipitation residue particles. <i>Journal of Aerosol Science</i> , 2014, 76, 13-27.	3.8	31

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19	Organic Enrichment, Physical Phase State, and Surface Tension Depression of Nascent Core-Shell Sea Spray Aerosols during Two Phytoplankton Blooms. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 650-660.	2.7	29
20	Detection of Active Microbial Enzymes in Nascent Sea Spray Aerosol: Implications for Atmospheric Chemistry and Climate. <i>Environmental Science and Technology Letters</i> , 2019, 6, 171-177.	8.7	28
21	Marine Bacteria Affect Saccharide Enrichment in Sea Spray Aerosol during a Phytoplankton Bloom. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1638-1649.	2.7	25
22	Heterogeneous Chemistry of Lipopolysaccharides with Gas-Phase Nitric Acid: Reactive Sites and Reaction Pathways. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6444-6450.	2.5	22
23	Physicochemical Mixing State of Sea Spray Aerosols: Morphologies Exhibit Size Dependence. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1604-1611.	2.7	18
24	Tandem Fluorescence Measurements of Organic Matter and Bacteria Released in Sea Spray Aerosols. <i>Environmental Science & Technology</i> , 2021, 55, 5171-5179.	10.0	18
25	Size-Dependent Morphology, Composition, Phase State, and Water Uptake of Nascent Submicrometer Sea Spray Aerosols during a Phytoplankton Bloom. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 116-130.	2.7	12
26	The Sea Spray Chemistry and Particle Evolution study (SeaSCAPE): overview and experimental methods. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 290-315.	3.5	11
27	Evolution of Sea Spray Aerosol Particle Phase State Across a Phytoplankton Bloom. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2995-3007.	2.7	10
28	Atmospheric Benzothiazoles in a Coastal Marine Environment. <i>Environmental Science & Technology</i> , 2021, 55, 15705-15714.	10.0	9
29	The Art of War: Beyond Memory-one Strategies in Population Games. <i>PLoS ONE</i> , 2015, 10, e0120625.	2.5	8
30	Cation-Driven Lipopolysaccharide Morphological Changes Impact Heterogeneous Reactions of Nitric Acid with Sea Spray Aerosol Particles. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5023-5029.	4.6	6
31	Factors controlling the transfer of biogenic organic species from seawater to sea spray aerosol. <i>Scientific Reports</i> , 2022, 12, 3580.	3.3	6
32	Airborne transmission pathway for coastal water pollution. <i>PeerJ</i> , 2021, 9, e11358.	2.0	4
33	Empirical Information Metrics for Prediction Power and Experiment Planning. <i>Information (Switzerland)</i> , 2011, 2, 17-40.	2.9	1
34	Evaluating the properties of sea spray aerosols produced in the laboratory: Comparisons with controlled breaking waves. , 2013, , .		0