

# Nathan F Dalleska

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

902  
citations

516710

16  
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580821

25  
g-index

26  
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26  
docs citations

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times ranked

1634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfate sulfur isotopes and major ion chemistry reveal that pyrite oxidation counteracts CO <sub>2</sub> drawdown from silicate weathering in the Langtang-Trisuli-Narayani River system, Nepal Himalaya. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 294, 43-69.	3.9	41
2	Organic sulfur fluxes and geomorphic control of sulfur isotope ratios in rivers. <i>Earth and Planetary Science Letters</i> , 2021, 562, 116838.	4.4	9
3	Sulfur isotope fractionations constrain the biological cycling of dimethylsulfoniopropionate in the upper ocean. <i>Limnology and Oceanography</i> , 2021, 66, 3607-3618.	3.1	3
4	Cathodic NH <sub>4</sub> <sup>+</sup> leaching of nitrogen impurities in CoMo thin-film electrodes in aqueous acidic solutions. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5080-5087.	4.9	14
5	Synthesis of Carboxylic Acid and Dimer Ester Surrogates to Constrain the Abundance and Distribution of Molecular Products in $\alpha$ -Pinene and $\beta$ -Pinene Secondary Organic Aerosol. <i>Environmental Science &amp; Technology</i> , 2020, 54, 12829-12839.	10.0	31
6	Coupling Filter-Based Thermal Desorption Chemical Ionization Mass Spectrometry with Liquid Chromatography/Electrospray Ionization Mass Spectrometry for Molecular Analysis of Secondary Organic Aerosol. <i>Environmental Science &amp; Technology</i> , 2020, 54, 13238-13248.	10.0	7
7	Isotopically Selective Quantification by UPLC-MS of Aqueous Ammonia at Submicromolar Concentrations Using Dansyl Chloride Derivatization. <i>ACS Energy Letters</i> , 2020, 5, 1532-1536.	17.4	34
8	Stable Isotope Analysis of Intact Oxyanions Using Electrospray Quadrupole-Orbitrap Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 3077-3085.	6.5	30
9	Iodometry-Assisted Liquid Chromatography Electrospray Ionization Mass Spectrometry for Analysis of Organic Peroxides: An Application to Atmospheric Secondary Organic Aerosol. <i>Environmental Science &amp; Technology</i> , 2018, 52, 2108-2117.	10.0	45
10	Towards measuring growth rates of pathogens during infections by D <sub>2</sub> O labeling lipidomics. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 2129-2140.	1.5	13
11	Rapid Aqueous-Phase Hydrolysis of Ester Hydroperoxides Arising from Criegee Intermediates and Organic Acids. <i>Journal of Physical Chemistry A</i> , 2018, 122, 5190-5201.	2.5	62
12	Synergistic O <sub>3</sub> + OH oxidation pathway to extremely low-volatility dimers revealed in $\beta$ -pinene secondary organic aerosol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8301-8306.	7.1	45
13	Rapid quantification and isotopic analysis of dissolved sulfur species. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 791-803.	1.5	11
14	Starvation and recovery in the deep-sea methanotroph <i>Methyloprofundus sedimenti</i> . <i>Molecular Microbiology</i> , 2017, 103, 242-252.	2.5	40
15	A note on the effects of inorganic seed aerosol on the oxidation state of secondary organic aerosol $\alpha$ -Pinene ozonolysis. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,476.	3.3	14
16	Identification and differential production of ubiquinone-8 in the bacterial predator <i>Bdellovibrio bacteriovorus</i> . <i>Research in Microbiology</i> , 2016, 167, 413-423.	2.1	3
17	Formation and evolution of molecular products in $\alpha$ -pinene secondary organic aerosol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14168-14173.	7.1	225
18	Secondary Organic Aerosol Composition from C <sub>12</sub> Alkanes. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4281-4297.	2.5	53

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19	The Selective Electrochemical Conversion of Preactivated CO <sub>2</sub> to Methane. <i>Journal of the Electrochemical Society</i> , 2015, 162, H473-H476.	2.9	18
20	Fosmidomycin Decreases Membrane Hopanoids and Potentiates the Effects of Colistin on <i>Burkholderia multivorans</i> Clinical Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5211-5219.	3.2	30
21	Branched Polymeric Media: Boron-Chelating Resins from Hyperbranched Polyethylenimine. <i>Environmental Science &amp; Technology</i> , 2012, 46, 8998-9004.	10.0	35
22	Reductive degradation of perfluoroalkyl compounds with aquated electrons generated from iodide photolysis at 254 nm. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1945-1953.	2.9	76
23	Effect of changes in water level on sediment pore water redox geochemistry at a reservoir shoreline. <i>Applied Geochemistry</i> , 2010, 25, 1902-1911.	3.0	8
24	Partitioning of Poly(amidoamine) Dendrimers between n-Octanol and Water. <i>Environmental Science &amp; Technology</i> , 2009, 43, 5123-5129.	10.0	25
25	Experimental Evidence for $\hat{\text{I}}^3$ -Agostic Assistance in $\hat{\text{I}}^2$ -Methyl Elimination, the Microscopic Reverse of $\hat{\text{I}}^\pm$ -Agostic Assistance in the Chain Propagation Step of Olefin Polymerization. <i>Organometallics</i> , 2005, 24, 2789-2794.	2.3	29