

# Nathan F Dalleska

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3381604/publications.pdf>

Version: 2024-02-01

25  
papers

902  
citations

516710

16  
h-index

580821

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation and evolution of molecular products in $\hat{1}\pm$ -pinene secondary organic aerosol. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14168-14173.	7.1	225
2	Reductive degradation of perfluoroalkyl compounds with aquated electrons generated from iodide photolysis at 254 nm. Photochemical and Photobiological Sciences, 2011, 10, 1945-1953.	2.9	76
3	Rapid Aqueous-Phase Hydrolysis of Ester Hydroperoxides Arising from Criegee Intermediates and Organic Acids. Journal of Physical Chemistry A, 2018, 122, 5190-5201.	2.5	62
4	Secondary Organic Aerosol Composition from $C_{12}$ Alkanes. Journal of Physical Chemistry A, 2015, 119, 4281-4297.	2.5	53
5	Iodometry-Assisted Liquid Chromatography Electrospray Ionization Mass Spectrometry for Analysis of Organic Peroxides: An Application to Atmospheric Secondary Organic Aerosol. Environmental Science & Technology, 2018, 52, 2108-2117.	10.0	45
6	Synergistic $O_3 + OH$ oxidation pathway to extremely low-volatility dimers revealed in $\hat{1}^2$ -pinene secondary organic aerosol. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8301-8306.	7.1	45
7	Sulfate sulfur isotopes and major ion chemistry reveal that pyrite oxidation counteracts $CO_2$ drawdown from silicate weathering in the Langtang-Trisuli-Narayani River system, Nepal Himalaya. Geochimica Et Cosmochimica Acta, 2021, 294, 43-69.	3.9	41
8	Starvation and recovery in the deep-sea methanotroph <i>Methyloprofundus</i> sedimenti. Molecular Microbiology, 2017, 103, 242-252.	2.5	40
9	Branched Polymeric Media: Boron-Chelating Resins from Hyperbranched Polyethylenimine. Environmental Science & Technology, 2012, 46, 8998-9004.	10.0	35
10	Isotopically Selective Quantification by UPLC-MS of Aqueous Ammonia at Submicromolar Concentrations Using Dansyl Chloride Derivatization. ACS Energy Letters, 2020, 5, 1532-1536.	17.4	34
11	Synthesis of Carboxylic Acid and Dimer Ester Surrogates to Constrain the Abundance and Distribution of Molecular Products in $\hat{1}\pm$ -Pinene and $\hat{1}^2$ -Pinene Secondary Organic Aerosol. Environmental Science & Technology, 2020, 54, 12829-12839.	10.0	31
12	Fosmidomycin Decreases Membrane Hopanoids and Potentiates the Effects of Colistin on Burkholderia multivorans Clinical Isolates. Antimicrobial Agents and Chemotherapy, 2014, 58, 5211-5219.	3.2	30
13	Stable Isotope Analysis of Intact Oxyanions Using Electrospray Quadrupole-Orbitrap Mass Spectrometry. Analytical Chemistry, 2020, 92, 3077-3085.	6.5	30
14	Experimental Evidence for $\hat{1}^3$ -Agostic Assistance in $\hat{1}^2$ -Methyl Elimination, the Microscopic Reverse of $\hat{1}\pm$ -Agostic Assistance in the Chain Propagation Step of Olefin Polymerization. Organometallics, 2005, 24, 2789-2794.	2.3	29
15	Partitioning of Poly(amidoamine) Dendrimers between n-Octanol and Water. Environmental Science & Technology, 2009, 43, 5123-5129.	10.0	25
16	The Selective Electrochemical Conversion of Preactivated $CO_2$ to Methane. Journal of the Electrochemical Society, 2015, 162, H473-H476.	2.9	18
17	A note on the effects of inorganic seed aerosol on the oxidation state of secondary organic aerosol – $\hat{1}\pm$ -Pinene ozonolysis. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12,476.	3.3	14
18	Cathodic $NH_4^+$ leaching of nitrogen impurities in CoMo thin-film electrodes in aqueous acidic solutions. Sustainable Energy and Fuels, 2020, 4, 5080-5087.	4.9	14

#	ARTICLE	IF	CITATIONS
19	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
20	Rapid quantification and isotopic analysis of dissolved sulfur species. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 791-803.	1.5	11
21	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
22	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
23	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
24	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
25	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