

SÃ©bastien Perrier

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

809
citations

623574

14
h-index

794469

19
g-index

20
all docs

20
docs citations

20
times ranked

1020
citing authors

#	ARTICLE	IF	CITATIONS
1	Photosensitized Production of Atmospherically Reactive Organic Compounds at the Air/Aqueous Interface. <i>Journal of the American Chemical Society</i> , 2015, 137, 8348-8351.	6.6	97
2	Snowpack processing of acetaldehyde and acetone in the Arctic atmospheric boundary layer. <i>Atmospheric Environment</i> , 2002, 36, 2743-2752.	1.9	90
3	Atmospheric Photosensitization: A New Pathway for Sulfate Formation. <i>Environmental Science & Technology</i> , 2020, 54, 3114-3120.	4.6	65
4	Mechanistic Insights on the Photosensitized Chemistry of a Fatty Acid at the Air/Water Interface. <i>Environmental Science & Technology</i> , 2016, 50, 11041-11048.	4.6	64
5	Organosulfate Formation through the Heterogeneous Reaction of Sulfur Dioxide with Unsaturated Fatty Acids and Long-Chain Alkenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10336-10339.	7.2	63
6	Acetaldehyde and acetone in the Arctic snowpack during the ALERT2000 campaign. Snowpack composition, incorporation processes and atmospheric impact. <i>Atmospheric Environment</i> , 2002, 36, 2609-2618.	1.9	60
7	A new fluorescent probe for sensitive detection of carbonyl compounds: sensitivity improvement and application to environmental water samples. <i>Analytica Chimica Acta</i> , 2000, 412, 221-233.	2.6	56
8	SO ₂ Uptake on Oleic Acid: A New Formation Pathway of Organosulfur Compounds in the Atmosphere. <i>Environmental Science and Technology Letters</i> , 2016, 3, 67-72.	3.9	56
9	Formaldehyde in Arctic snow. Incorporation into ice particles and evolution in the snowpack. <i>Atmospheric Environment</i> , 2002, 36, 2695-2705.	1.9	54
10	Particle-Phase Photosensitized Radical Production and Aerosol Aging. <i>Environmental Science & Technology</i> , 2018, 52, 7680-7688.	4.6	45
11	Interfacial photochemistry of biogenic surfactants: a major source of abiotic volatile organic compounds. <i>Faraday Discussions</i> , 2017, 200, 59-74.	1.6	42
12	Fatty Acid Surfactant Photochemistry Results in New Particle Formation. <i>Scientific Reports</i> , 2017, 7, 12693.	1.6	37
13	Superoxide and Nitrous Acid Production from Nitrate Photolysis Is Enhanced by Dissolved Aliphatic Organic Matter. <i>Environmental Science and Technology Letters</i> , 2021, 8, 53-58.	3.9	24
14	Real-Time Detection of Gas-Phase Organohalogenes from Aqueous Photochemistry Using Orbitrap Mass Spectrometry. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 329-334.	1.2	15
15	Visualizing reaction and diffusion in xanthan gum aerosol particles exposed to ozone. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 20613-20627.	1.3	15
16	Production of Peroxy Radicals from the Photochemical Reaction of Fatty Acids at the Air-Water Interface. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1247-1253.	1.2	9
17	Naphthalene-Derived Secondary Organic Aerosols Interfacial Photosensitizing Properties. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093465.	1.5	6
18	Effect of Lanthanum Sol-Gel Coating on the Oxidation Behaviour of the AISI 304 Steel at 1000°C. <i>Materials Science Forum</i> , 0, 595-598, 733-741.	0.3	4

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19	Measurement report: Biogenic volatile organic compound emission profiles of rapeseed leaf litter and its secondary organic aerosol formation potential. Atmospheric Chemistry and Physics, 2021, 21, 12613-12629.	1.9	4
20	Influence of Lanthanum Coatings on a Model 330 Alloy (Feâ€“35Niâ€“18Crâ€“2Si) Oxidation at High Temperatures. Oxidation of Metals, 2014, 81, 127-138.	1.0	3