

Didier Voisin

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,159
citations

218677

26
h-index

345221

36
g-index

56
all docs

56
docs citations

56
times ranked

2655
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantification of the radiative impact of light-absorbing particles during two contrasted snow seasons at Col du Lautaret (2058â€™mâ€™a.s.l., French Alps). <i>Cryosphere</i> , 2020, 14, 4553-4579.	3.9	26
2	Characterisation of a Snapshot Fourier Transform Imaging Spectrometer Based on an Array of Fabry-Perot Interferometers. , 2020, , .		1
3	Influence of light-absorbing particles on snow spectral irradiance profiles. <i>Cryosphere</i> , 2019, 13, 2169-2187.	3.9	31
4	Motion of dust particles in dry snow under temperature gradient metamorphism. <i>Cryosphere</i> , 2019, 13, 2345-2359.	3.9	14
5	Fostering multidisciplinary research on interactions between chemistry, biology, and physics within the coupled cryosphere-atmosphere system. <i>Elementa</i> , 2019, 7, .	3.2	6
6	Gas characterization based on a snapshot interferometric imaging spectrometer. , 2019, , .		3
7	Tracing the Fate of Atmospheric Nitrate in a Subalpine Watershed Using \hat{I}^{17O} . <i>Environmental Science & Technology</i> , 2018, 52, 5561-5570.	10.0	27
8	Atmospheric nitrate export in streams along a montane to urban gradient. <i>Science of the Total Environment</i> , 2018, 633, 329-340.	8.0	20
9	Cloud Processing of Secondary Organic Aerosol from Isoprene and Methacrolein Photooxidation. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7641-7654.	2.5	14
10	The importance of simulated lung fluid (SLF) extractions for a more relevant evaluation of the oxidative potential of particulate matter. <i>Scientific Reports</i> , 2017, 7, 11617.	3.3	72
11	In situ continuous visible and near-infrared spectroscopy of an alpine snowpack. <i>Cryosphere</i> , 2017, 11, 1091-1110.	3.9	43
12	A multilayer physically based snowpack model simulating direct and indirect radiative impacts of light-absorbing impurities in snow. <i>Cryosphere</i> , 2017, 11, 2633-2653.	3.9	61
13	Aqueous-phase oligomerization of methyl vinyl ketone through photooxidation â€™ Part 1: Aging processes of oligomers. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 21-35.	4.9	39
14	Can We Model Snow Photochemistry? Problems with the Current Approaches. <i>Journal of Physical Chemistry A</i> , 2013, 117, 4733-4749.	2.5	68
15	Radical mechanisms of methyl vinyl ketone oligomerization through aqueous phase OH-oxidation: on the paradoxical role of dissolved molecular oxygen. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6473-6491.	4.9	47
16	Towards a better understanding of the origins, chemical composition and aging of oxygenated organic aerosols: case study of a Mediterranean industrialized environment, Marseille. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7875-7894.	4.9	87
17	Organics in environmental ices: sources, chemistry, and impacts. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 9653-9678.	4.9	110
18	Carbonaceous species and humic like substances (HULIS) in Arctic snowpack during OASIS field campaign in Barrow. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	49

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19	Hydroxyl radical and NO _x production rates, black carbon concentrations and light-absorbing impurities in snow from field measurements of light penetration and nadir reflectivity of onshore and offshore coastal Alaskan snow. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	52
20	Chemical composition of the snowpack during the OASIS spring campaign 2009 at Barrow, Alaska. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	39
21	Oligomer and SOA formation through aqueous phase photooxidation of methacrolein and methyl vinyl ketone. <i>Atmospheric Environment</i> , 2012, 49, 123-129.	4.1	64
22	Oxidation of Atmospheric Humic Like Substances by Ozone: A Kinetic and Structural Analysis Approach. <i>Environmental Science & Technology</i> , 2011, 45, 5238-5244.	10.0	47
23	Sensitive determination of glyoxal, methylglyoxal and hydroxyacetaldehyde in environmental water samples by using dansylacetamidooxamine derivatization and liquid chromatography/fluorescence. <i>Analytica Chimica Acta</i> , 2011, 704, 162-173.	5.4	25
24	Soluble, light-absorbing species in snow at Barrow, Alaska. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	44
25	Insights into the secondary fraction of the organic aerosol in a Mediterranean urban area: Marseille. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 2059-2079.	4.9	90
26	The specific surface area and chemical composition of diamond dust near Barrow, Alaska. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	27
27	Seasonal variations of concentrations and optical properties of water soluble HULIS collected in urban environments. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 4085-4095.	4.9	121
28	Comprehensive primary particulate organic characterization of vehicular exhaust emissions in France. <i>Atmospheric Environment</i> , 2009, 43, 6190-6198.	4.1	150
29	Comparison of analytical methods for Humic Like Substances (HULIS) measurements in atmospheric particles. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5949-5962.	4.9	65
30	Simple and Reversible Transformation of an APCI/MS/MS Into an Aerosol Mass Spectrometer: Development and Characterization of a New Inlet. <i>Aerosol Science and Technology</i> , 2008, 42, 182-193.	3.1	7
31	The Uptake of Methyl Vinyl Ketone, Methacrolein, and 2-Methyl-3-butene-2-ol onto Sulfuric Acid Solutions. <i>Journal of Physical Chemistry A</i> , 2006, 110, 2387-2395.	2.5	42
32	Kinetics of OH-initiated oxidation of oxygenated organic compounds in the aqueous phase: new rate constants, structure-activity relationships and atmospheric implications. <i>Atmospheric Environment</i> , 2005, 39, 7667-7688.	4.1	94
33	A criterion for new particle formation in the sulfur-rich Atlanta atmosphere. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	187
34	Chemical composition of atmospheric nanoparticles during nucleation events in Atlanta. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	121
35	Thermal Desorption Chemical Ionization Mass Spectrometer for Ultrafine Particle Chemical Composition. <i>Aerosol Science and Technology</i> , 2003, 37, 471-475.	3.1	118
36	Uptake of nopinone by water: Comparison between aqueous-and gas-phase oxidation of organic compounds in the atmosphere. <i>Geophysical Research Letters</i> , 2001, 28, 1965-1968.	4.0	12

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37	A model for tropospheric multiphase chemistry: application to one cloudy event during the CIME experiment. <i>Atmospheric Environment</i> , 2000, 34, 5015-5036.	4.1	56
38	Scavenging of acidic gases (HCOOH, CH ₃ COOH, HNO ₃ , HCl, and SO ₂) and ammonia in mixed liquid-solid water clouds at the Puy de Dôme mountain (France). <i>Journal of Geophysical Research</i> , 2000, 105, 6817-6835.	3.3	68
39	Modeling an extreme dust deposition event to the French alpine seasonal snowpack in April 2018: Meteorological context and predictions of dust deposition. <i>Journal of Geophysical Research D: Atmospheres</i> , 0, , .	3.3	2