

Jean Charles Gallet

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5340494/publications.pdf>

Version: 2024-02-01

29
papers

2,904
citations

430874

18
h-index

477307

29
g-index

33
all docs

33
docs citations

33
times ranked

4393
citing authors

#	ARTICLE	IF	CITATIONS
1	A feasibility study of mapping light-absorbing carbon using a taxi fleet as a mobile platform. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 66, 23533.	1.6	16
2	Source, timing and dynamics of ionic species mobility in the Svalbard annual snowpack. <i>Science of the Total Environment</i> , 2021, 751, 141640.	8.0	6
3	First discrete iron(II) records from Dome C (Antarctica) and the Holtedahlfonna glacier (Svalbard). <i>Chemosphere</i> , 2021, 267, 129335.	8.2	6
4	Measurement report: Spatial variations in ionic chemistry and water-stable isotopes in the snowpack on glaciers across Svalbard during the 2015–2016 snow accumulation season. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3163-3180.	4.9	10
5	Elemental and water-insoluble organic carbon in Svalbard snow: a synthesis of observations during 2007–2018. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3035-3057.	4.9	6
6	Implications of surface flooding on airborne estimates of snow depth on sea ice. <i>Cryosphere</i> , 2021, 15, 2819-2833.	3.9	1
7	Variability in black carbon mass concentration in surface snow at Svalbard. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 12479-12493.	4.9	3
8	Investigation on the Sources and Impact of Trace Elements in the Annual Snowpack and the Firn in the Hansbreen (Southwest Spitsbergen). <i>Frontiers in Earth Science</i> , 2021, 8, .	1.8	22
9	Surface Mass Balance Controlled by Local Surface Slope in Inland Antarctica: Implications for Ice Sheet Mass Balance and Oldest Ice Delineation in Dome Fuji. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	9
10	The Underwater Light Climate in Kongsfjorden and Its Ecological Implications. <i>Advances in Polar Ecology</i> , 2019, , 137-170.	1.3	21
11	Interactions between the atmosphere, cryosphere, and ecosystems at northern high latitudes. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2015-2061.	4.9	42
12	Spatiotemporal patterns of rain-on-snow and basal ice in high Arctic Svalbard: detection of a climate-cryosphere regime shift. <i>Environmental Research Letters</i> , 2019, 14, 015002.	5.2	64
13	Seasonal Progression of the Deposition of Black Carbon by Snowfall at Ny-Ålesund, Spitsbergen. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 997-1016.	3.3	21
14	Free amino acids in the Arctic snow and ice core samples: Potential markers for paleoclimatic studies. <i>Science of the Total Environment</i> , 2017, 607-608, 454-462.	8.0	21
15	Winter snow conditions on Arctic sea ice north of Svalbard during the Norwegian young sea ICE (N-ICE2015) expedition. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10,837.	3.3	39
16	Do contemporary (1980–2015) emissions determine the elemental carbon deposition trend at Holtedahlfonna glacier, Svalbard?. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12779-12795.	4.9	17
17	Spring snow conditions on Arctic sea ice north of Svalbard, during the Norwegian Young Sea ICE (N-ICE2015) expedition. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10,820.	3.3	31
18	In situ observations of black carbon in snow and the corresponding spectral surface albedo reduction. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 1476-1489.	3.3	30

#	ARTICLE	IF	CITATIONS
19	The growth of sublimation crystals and surface hoar on the Antarctic plateau. <i>Cryosphere</i> , 2014, 8, 1205-1215.	3.9	35
20	Measuring the specific surface area of wet snow using 1310 nm reflectance. <i>Cryosphere</i> , 2014, 8, 1139-1148.	3.9	22
21	Elemental carbon in snow at Changbai Mountain, northeastern China: concentrations, scavenging ratios, and dry deposition velocities. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 629-640.	4.9	24
22	Structure, specific surface area and thermal conductivity of the snowpack around Barrow, Alaska. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	58
23	Formaldehyde in the Alaskan Arctic snowpack: Partitioning and physical processes involved in air-snow exchanges. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	41
24	The specific surface area and chemical composition of diamond dust near Barrow, Alaska. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	27
25	Measurement of vertical profiles of snow specific surface area with a 1 cm resolution using infrared reflectance: instrument description and validation. <i>Journal of Glaciology</i> , 2011, 57, 17-29.	2.2	94
26	Vertical profile of the specific surface area and density of the snow at Dome C and on a transect to Dumont D'Urville, Antarctica – albedo calculations and comparison to remote sensing products. <i>Cryosphere</i> , 2011, 5, 631-649.	3.9	58
27	High-accuracy measurements of snow Bidirectional Reflectance Distribution Function at visible and NIR wavelengths – comparison with modelling results. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 2507-2520.	4.9	98
28	Measurement of the specific surface area of snow using infrared reflectance in an integrating sphere at 1310 and 1550 nm. <i>Cryosphere</i> , 2009, 3, 167-182.	3.9	191
29	Orbital and Millennial Antarctic Climate Variability over the Past 800,000 Years. <i>Science</i> , 2007, 317, 793-796.	12.6	1,880