

Roberto Udisti

List of Publications by Year in descending order

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87
papers

6,573
citations

101543

36
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66911

78
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88
all docs

88
docs citations

88
times ranked

6489
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights on nitrate sources at Dome C (East Antarctic Plateau) from multi-year aerosol and snow records. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 66, 22550.	1.6	19
2	Arctic Aerosols. Springer Polar Sciences, 2020, , 209-329.	0.1	4
3	Analysis of multi-year near-surface ozone observations at the WMO/GAW "Concordia" station (75°06'S), 1990-2011. <i>Journal of Geophysical Research</i> , 2015, 120, 10784-10793.	4.1	15
4	Determination of Rare Earth Elements in multi-year high-resolution Arctic aerosol record by double focusing Inductively Coupled Plasma Mass Spectrometry with desolvation nebulizer inlet system. <i>Science of the Total Environment</i> , 2018, 613-614, 1284-1294.	8.0	13
5	The combined activation of KCa3.1 and inhibition of Kv11.1/hERG1 currents contribute to overcome Cisplatin resistance in colorectal cancer cells. <i>British Journal of Cancer</i> , 2018, 118, 200-212.	6.4	58
6	PM10 oxidative potential at a Central Mediterranean Site: Association with chemical composition and meteorological parameters. <i>Atmospheric Environment</i> , 2018, 188, 97-111.	4.1	44
7	Morphochemical characteristics and mixing state of long range transported wildfire particles at Ny-Ålesund (Svalbard Islands). <i>Atmospheric Environment</i> , 2017, 156, 135-145.	4.1	32
8	Observational evidence for the formation of DMS-derived aerosols during Arctic phytoplankton blooms. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9665-9675.	4.9	65
9	Three-year monitoring of stable isotopes of precipitation at Concordia Station, East Antarctica. <i>Cryosphere</i> , 2016, 10, 2415-2428.	3.9	62
10	Vertical profiles of aerosol and black carbon in the Arctic: a seasonal phenomenology along 2 years (2011-2012) of field campaigns. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12601-12629.	4.9	62
11	Multi-seasonal ultrafine aerosol particle number concentration measurements at the Gruevbadet observatory, Ny-Ålesund, Svalbard Islands. <i>Rendiconti Lincei</i> , 2016, 27, 59-71.	2.2	14
12	Elemental and lead isotopic composition of atmospheric particulate measured in the Arctic region (Ny-Ålesund, Svalbard Islands). <i>Rendiconti Lincei</i> , 2016, 27, 73-84.	2.2	14
13	Local vs. long-range sources of aerosol particles upon Ny-Ålesund (Svalbard Islands): mineral chemistry and geochemical records. <i>Rendiconti Lincei</i> , 2016, 27, 115-127.	2.2	27
14	Long-range transport of atmospheric lead reaching Ny-Ålesund: Inter-annual and seasonal variations of potential source areas. <i>Atmospheric Environment</i> , 2016, 139, 11-19.	4.1	22
15	Sulfate source apportionment in the Ny-Ålesund (Svalbard Islands) Arctic aerosol. <i>Rendiconti Lincei</i> , 2016, 27, 85-94.	2.2	66
16	Spatial and temporal variability of snow chemical composition and accumulation rate at Talos Dome site (East Antarctica). <i>Science of the Total Environment</i> , 2016, 550, 418-430.	8.0	14
17	Source assessment of atmospheric lead measured at Ny-Ålesund, Svalbard. <i>Atmospheric Environment</i> , 2015, 113, 20-26.	4.1	29
18	Enhanced intra-cutaneous delivery of a Mn-containing antioxidant drug by high-frequency ultrasounds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 106, 197-203.	2.8	7

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19	Year-round record of dissolved and particulate metals in surface snow at Dome Concordia (East) Tj ETQq1 1 0.784314 rgBT /Overlock	8.2	18
20	One-million year Rare Earth Element stratigraphies along an Antarctic marine sediment core. <i>Microchemical Journal</i> , 2015, 122, 164-171.	4.5	5
21	Recovering Paleo-Records from Antarctic Ice-Cores by Coupling a Continuous Melting Device and Fast Ion Chromatography. <i>Analytical Chemistry</i> , 2015, 87, 11441-11447.	6.5	18
22	Biomass burning contributions estimated by synergistic coupling of daily and hourly aerosol composition records. <i>Science of the Total Environment</i> , 2015, 511, 11-20.	8.0	53
23	Chemical composition of PM1 and PM2.5 at a suburban site in southern Italy. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 127-150.	3.3	25
24	A Novel Fast Ion Chromatographic Method for the Analysis of Fluoride in Antarctic Snow and Ice. <i>Environmental Science & Technology</i> , 2014, 48, 1795-1802.	10.0	10
25	Saharan dust aerosol over the central Mediterranean Sea: PM ₁₀ ; chemical composition and concentration versus optical columnar measurements. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 2039-2054.	4.9	85
26	Sea-Salt Aerosol Forecasts Over the Mediterranean Sea Evaluated by Daily Measurements in Lampedusa from 2006 to 2010. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2014, , 321-325.	0.2	0
27	Bioavailability of trace elements in surface sediments from Kongsfjorden, Svalbard. <i>Marine Pollution Bulletin</i> , 2013, 77, 367-374.	5.0	38
28	Evidence for heavy fuel oil combustion aerosols from chemical analyses at the island of Lampedusa: a possible large role of ships emissions in the Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3479-3492.	4.9	135
29	Volcanic synchronisation of the EPICA-DC and TALDICE ice cores for the last 42 kyr BP. <i>Climate of the Past</i> , 2012, 8, 509-517.	3.4	51
30	Nitrate in Polar Ice: A New Tracer of Solar Variability. <i>Solar Physics</i> , 2012, 280, 237-254.	2.5	47
31	Study of present-day sources and transport processes affecting oxidised sulphur compounds in atmospheric aerosols at Dome C (Antarctica) from year-round sampling campaigns. <i>Atmospheric Environment</i> , 2012, 52, 98-108.	4.1	37
32	Comparison of inductively coupled plasma spectrometry techniques for the direct determination of rare earth elements in digests from geological samples. <i>Analytica Chimica Acta</i> , 2010, 678, 18-25.	5.4	56
33	Seasonal variations in chemical composition and in vitro biological effects of fine PM from Milan. <i>Chemosphere</i> , 2010, 78, 1368-1377.	8.2	169
34	Changes in environment over the last 800,000 years from chemical analysis of the EPICA Dome C ice core. <i>Quaternary Science Reviews</i> , 2010, 29, 285-295.	3.0	183
35	Atmospheric decadal variability from high-resolution Dome C ice core records of aerosol constituents beyond the Last Interglacial. <i>Quaternary Science Reviews</i> , 2010, 29, 324-337.	3.0	14
36	Ammonium and non-sea salt sulfate in the EPICA ice cores as indicator of biological activity in the Southern Ocean. <i>Quaternary Science Reviews</i> , 2010, 29, 313-323.	3.0	50

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37	Conversion of rare earth elements to molecular oxide ions in a dynamic reaction cell and consequences on their determination by inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1588.	3.0	31
38	Methanesulphonic acid (MSA) stratigraphy from a Talos Dome ice core as a tool in depicting sea ice changes and southern atmospheric circulation over the previous 140 years. <i>Atmospheric Environment</i> , 2009, 43, 1051-1058.	4.1	35
39	Thirty years of snow deposition at Talos Dome (Northern Victoria Land, East Antarctica): Chemical profiles and climatic implications. <i>Microchemical Journal</i> , 2009, 92, 15-20.	4.5	21
40	Study of Dome C site (East Antarctica) variability by comparing chemical stratigraphies. <i>Microchemical Journal</i> , 2009, 92, 7-14.	4.5	27
41	Sulfate Spikes in the Deep Layers of EPICA-Dome C Ice Core: Evidence of Glaciological Artifacts. <i>Environmental Science & Technology</i> , 2009, 43, 8737-8743.	10.0	30
42	A Novel Manganese Complex Effective as Superoxide Anion Scavenger and Therapeutic Agent against Cell and Tissue Oxidative Injury. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 7273-7283.	6.4	41
43	Year-round record of size-segregated aerosol composition in central Antarctica (Concordia station): Implications for the degree of fractionation of sea-salt particles. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	68
44	Seasonality of sulfur species (dimethyl sulfide, sulfate, and methanesulfonate) in Antarctica: Inland versus coastal regions. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	81
45	Proxies and Measurement Techniques for Mineral Dust in Antarctic Ice Cores. <i>Environmental Science & Technology</i> , 2008, 42, 5675-5681.	10.0	81
46	Reconstruction of millennial changes in dust emission, transport and regional sea ice coverage using the deep EPICA ice cores from the Atlantic and Indian Ocean sector of Antarctica. <i>Earth and Planetary Science Letters</i> , 2007, 260, 340-354.	4.4	193
47	Erratum to "Reconstruction of millennial changes in dust emission, transport and regional sea ice coverage using the deep EPICA ice cores from the Atlantic and Indian Ocean sector of Antarctica" [Earth Planet. Sci. Lett. 260 (2007) 340-354]. <i>Earth and Planetary Science Letters</i> , 2007, 262, 635-636.	4.4	1
48	Synchronisation of the EDML and EDC ice cores for the last 52 kyr by volcanic signature matching. <i>Climate of the Past</i> , 2007, 3, 367-374.	3.4	73
49	Ultra-sensitive Flow Injection Analysis (FIA) determination of calcium in ice cores at ppt level. <i>Analytica Chimica Acta</i> , 2007, 594, 219-225.	5.4	10
50	An improved flow analysis-ion chromatography method for determination of cationic and anionic species at trace levels in Antarctic ice cores. <i>Analytica Chimica Acta</i> , 2007, 603, 190-198.	5.4	62
51	One-to-one coupling of glacial climate variability in Greenland and Antarctica. <i>Nature</i> , 2006, 444, 195-198.	27.8	1,111
52	Relaxation phenomena and structural modifications of substituted polythiophenes during the p-doping processes. An electrochemical and morphological study. <i>Electrochimica Acta</i> , 2006, 51, 2698-2705.	5.2	15
53	Spatial distribution of biogenic sulphur compounds (MSA, nssSO ₄ ²⁻) in the northern Victoria Land-Wilkes Land area, East Antarctica. <i>Annals of Glaciology</i> , 2005, 41, 23-31.	1.4	22
54	Ice core evidence for secular variability and 200-year dipolar oscillations in atmospheric circulation over East Antarctica during the Holocene. <i>Climate Dynamics</i> , 2005, 24, 641-654.	3.8	39

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55	Spatial and temporal variability of snow accumulation in East Antarctica from traverse data. <i>Journal of Glaciology</i> , 2005, 51, 113-124.	2.2	113
56	Sea-spray deposition in Antarctic coastal and plateau areas from ITASE traverses. <i>Annals of Glaciology</i> , 2005, 41, 32-40.	1.4	61
57	Sensitivity of chemical species to climatic changes in the last 45 kyr as revealed by high-resolution Dome C (East Antarctica) ice-core analysis. <i>Annals of Glaciology</i> , 2004, 39, 457-466.	1.4	14
58	Atmosphere-snow interaction by a comparison between aerosol and uppermost snow-layers composition at Dome C, East Antarctica. <i>Annals of Glaciology</i> , 2004, 39, 53-61.	1.4	60
59	Chemical characterization of the last 250 years of snow deposition at Talos Dome (East Antarctica). <i>International Journal of Environmental Analytical Chemistry</i> , 2004, 84, 523-536.	3.3	14
60	Eight glacial cycles from an Antarctic ice core. <i>Nature</i> , 2004, 429, 623-628.	27.8	2,015
61	New estimations of precipitation and surface sublimation in East Antarctica from snow accumulation measurements. <i>Climate Dynamics</i> , 2004, 23, 803-813.	3.8	117
62	Spatial and temporal distribution of environmental markers from Coastal to Plateau areas in Antarctica by firn core chemical analysis. <i>International Journal of Environmental Analytical Chemistry</i> , 2004, 84, 457-470.	3.3	30
63	Preliminary study of HCHO spatial and temporal distribution from Coastal to Plateau areas in Antarctica. <i>International Journal of Environmental Analytical Chemistry</i> , 2004, 84, 537-549.	3.3	2
64	Volcanic eruption frequency over the last 45 ky as recorded in Epica-Dome C ice core (East Antarctica) and its relationship with climatic changes. <i>Global and Planetary Change</i> , 2004, 42, 195-205.	3.5	54
65	Chemical and isotopic snow variability in East Antarctica along the 2001/02 ITASE traverse. <i>Annals of Glaciology</i> , 2004, 39, 473-482.	1.4	40
66	Aluminium and iron record for the last 28 kyr derived from the Antarctic EDC96 ice core using new CFA methods. <i>Annals of Glaciology</i> , 2004, 39, 300-306.	1.4	14
67	Limited dechlorination of sea-salt aerosols during the last glacial period: Evidence from the European Project for Ice Coring in Antarctica (EPICA) Dome C ice core. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	57
68	Sensitivity Enhancement of the Formaldehyde Fluorimetric Determination by the use of a Surfactant. <i>International Journal of Environmental Analytical Chemistry</i> , 2002, 82, 97-112.	3.3	5
69	Chemical and isotopic snow variability along the 1998 ITASE traverse from Terra Nova Bay to Dome C, East Antarctica. <i>Annals of Glaciology</i> , 2002, 35, 187-194.	1.4	44
70	High-resolution fast ion chromatography (FIC) measurements of chloride, nitrate and sulphate along the EPICA Dome C ice core. <i>Annals of Glaciology</i> , 2002, 35, 291-298.	1.4	33
71	Comparison of analytical methods used for measuring major ions in the EPICA Dome C (Antarctica) ice core. <i>Annals of Glaciology</i> , 2002, 35, 299-305.	1.4	48
72	A tentative chronology for the EPICA Dome Concordia Ice Core. <i>Geophysical Research Letters</i> , 2001, 28, 4243-4246.	4.0	113

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73	Marine Contribution to the Chemical Composition of Coastal and Inland Antarctic Snow. <i>International Journal of Environmental Analytical Chemistry</i> , 2001, 79, 283-299.	3.3	18
74	Humic Marine Matter and Insoluble Materials in Antarctic Snow. <i>International Journal of Environmental Analytical Chemistry</i> , 2001, 79, 331-348.	3.3	18
75	Snow accumulation rates in northern Victoria Land, Antarctica, by firn-core analysis. <i>Journal of Glaciology</i> , 2000, 46, 541-552.	2.2	42
76	Chemical characterisation of a volcanic event (about AD 1500) at Styx Glacier plateau, northern Victoria Land, Antarctica. <i>Annals of Glaciology</i> , 1999, 29, 113-120.	1.4	7
77	Sea-spray and marine biogenic seasonal contribution to snow composition at Terra Nova Bay, Antarctica. <i>Annals of Glaciology</i> , 1999, 29, 77-83.	1.4	25
78	Analysis of Organic Compounds in Antarctic Snow and Their Origin. <i>International Journal of Environmental Analytical Chemistry</i> , 1998, 71, 331-351.	3.3	21
79	Sequential Sampling of Rain: Construction and Operation of an Automatic Wet-Only Apparatus. <i>International Journal of Environmental Analytical Chemistry</i> , 1998, 69, 53-66.	3.3	3
80	Identification of Component Sources in Antarctic Snow by Factor Analysis. <i>International Journal of Environmental Analytical Chemistry</i> , 1998, 71, 297-309.	3.3	0
81	A Simple Model for K and Ca Enrichment Interpretation in Antarctic Snow. <i>International Journal of Environmental Analytical Chemistry</i> , 1998, 71, 265-287.	3.3	4
82	70 years of northern Victoria Land (Antarctica) accumulation rate. <i>Annals of Glaciology</i> , 1998, 27, 215-219.	1.4	11
83	Spatial distribution and seasonal pattern of biogenic sulphur compounds in snow from northern Victoria Land, Antarctica. <i>Annals of Glaciology</i> , 1998, 27, 535-542.	1.4	16
84	Analysis of snow from Antarctica: a critical approach to ion-chromatographic methods. <i>Fresenius' Journal of Analytical Chemistry</i> , 1994, 349, 289-293.	1.5	39
85	Elemental leaching from <i>quercus ilex</i> L. in response to simulated acidic fog. <i>Water, Air, and Soil Pollution</i> , 1989, 47, 35-46.	2.4	10
86	Determination of gallium traces by differential pulse anodic stripping voltammetry. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1988, 331, 35-38.	0.8	14
87	Intermetallic compounds and the determination of copper and zinc by anodic stripping voltammetry. <i>Analytica Chimica Acta</i> , 1987, 202, 151-157.	5.4	8