

Russell S Surasky

List of Publications by Year in descending order

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85
papers

6,173
citations

94381

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71651

76
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86
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86
docs citations

86
times ranked

4932
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioaerosol field measurements: Challenges and perspectives in outdoor studies. <i>Aerosol Science and Technology</i> , 2020, 54, 520-546.	1.5	81
2	Investigating large methane enhancements in the U.S. San Juan Basin. <i>Elementa</i> , 2020, 8, .	1.1	8
3	Airborne Quantification of Methane Emissions over the Four Corners Region. <i>Environmental Science & Technology</i> , 2017, 51, 5832-5837.	4.6	52
4	Improved Mechanistic Understanding of Natural Gas Methane Emissions from Spatially Resolved Aircraft Measurements. <i>Environmental Science & Technology</i> , 2017, 51, 7286-7294.	4.6	83
5	Pop Goes the Balloon!: What Happens when a Weather Balloon Reaches 30,000 m asl?. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 216-217.	1.7	0
6	Validation of 10-year SAO OMI Ozone Profile (PROFOZ) product using ozonesonde observations. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2455-2475.	1.2	53
7	Application of Gauss's theorem to quantify localized surface emissions from airborne measurements of wind and trace gases. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 3345-3358.	1.2	86
8	Quantifying wintertime boundary layer ozone production from frequent profile measurements in the Uinta Basin, UT, oil and gas region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,038.	1.2	15
9	Understanding high wintertime ozone pollution events in an oil- and natural gas-producing region of the western US. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 411-429.	1.9	154
10	Impact of equatorial and continental airflow on primary greenhouse gases in the northern South China Sea. <i>Environmental Research Letters</i> , 2015, 10, 065005.	2.2	4
11	CO2 Monitoring and Background Mole Fraction at Zhongshan Station, Antarctica. <i>Atmosphere</i> , 2014, 5, 686-698.	1.0	8
12	Characteristics of atmospheric carbon monoxide at a high-mountain background station in East Asia. <i>Atmospheric Environment</i> , 2014, 89, 613-622.	1.9	47
13	A new look at methane and nonmethane hydrocarbon emissions from oil and natural gas operations in the Colorado Denverâ€¦Julesburg Basin. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6836-6852.	1.2	257
14	Anatomy of wintertime ozone associated with oil and natural gas extraction activity in Wyoming and Utah. <i>Elementa</i> , 2014, 2, .	1.1	45
15	Methane emissions estimate from airborne measurements over a western United States natural gas field. <i>Geophysical Research Letters</i> , 2013, 40, 4393-4397.	1.5	414
16	An overview of regional experiments on biomass burning aerosols and related pollutants in Southeast Asia: From BASE-ASIA and the Dongsha Experiment to 7-SEAS. <i>Atmospheric Environment</i> , 2013, 78, 1-19.	1.9	166
17	A threeâ€¦dimensional characterization of Arctic aerosols from airborne Sun photometer observations: PAMâ€¦ARCMIP, April 2009. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	57
18	Rapid photochemical production of ozone at high concentrations in a rural site during winter. <i>Nature Geoscience</i> , 2009, 2, 120-122.	5.4	175

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19	Digital Phase Control of an Integrated Resonant Igniter Using a Soft Saturation Core for High Intensity Discharge Lamps. , 2009, , .		2
20	Climate Assessment for 1999. Bulletin of the American Meteorological Society, 2000, 81, s1-s50.	1.7	320
21	Long-range transport of anthropogenic aerosols to the National Oceanic and Atmospheric Administration baseline station at Mauna Loa Observatory, Hawaii. Journal of Geophysical Research, 1999, 104, 18521-18533.	3.3	123
22	Results from the 1995 Stratospheric Ozone Profile Intercomparison at Mauna Loa. Journal of Geophysical Research, 1999, 104, 30505-30514.	3.3	34
23	Radiosonde Observations from the Former Soviet "North Pole" Series of Drifting Ice Stations, 1954-90. Bulletin of the American Meteorological Society, 1999, 80, 2019-2026.	1.7	17
24	<title>Monitoring global atmospheric constituents capable of forcing climate change</title> . , 1999, , .		0
25	Record low ozone at Mauna Loa Observatory during winter 1994-1995: A consequence of chemical and dynamical synergism?. Geophysical Research Letters, 1996, 23, 1533-1536.	1.5	10
26	New Ultraviolet Spectroradiometer measurements at Mauna Loa Observatory. Geophysical Research Letters, 1996, 23, 2121-2124.	1.5	25
27	Bromoalkane production by Antarctic ice algae. Tellus, Series B: Chemical and Physical Meteorology, 1993, 45, 120-126.	0.8	58
28	Absence of evidence for greenhouse warming over the Arctic Ocean in the past 40 years. Nature, 1993, 361, 335-337.	13.7	122
29	Composition of Br-containing aerosols and gases related to boundary layer ozone destruction in the arctic. Atmospheric Environment Part A General Topics, 1993, 27, 2839-2849.	1.3	15
30	Individual particle analyses of arctic aerosol samples collected during AGASP-III. Atmospheric Environment Part A General Topics, 1993, 27, 2825-2837.	1.3	12
31	Microanalysis of the aerosol collected over south-central New Mexico during the alive field experiment, May-December 1989. Atmospheric Environment Part A General Topics, 1993, 27, 1169-1183.	1.3	28
32	Airborne measurements of aerosol optical properties over south-central new Mexico. Atmospheric Environment Part A General Topics, 1993, 27, 1363-1368.	1.3	8
33	Chemical and meteorological influences on surface ozone destruction at Barrow, Alaska, during Spring 1989. Atmospheric Environment Part A General Topics, 1993, 27, 2851-2863.	1.3	30
34	Stable lead isotope ratios in Alaskan arctic aerosols. Atmospheric Environment Part A General Topics, 1993, 27, 2865-2871.	1.3	30
35	Spring measurements of tropospheric bromine at Barrow, Alaska. Geophysical Research Letters, 1993, 20, 201-204.	1.5	19
36	Tropospheric temperature trends in the Arctic: 1958-1986. Journal of Geophysical Research, 1993, 98, 12825-12838.	3.3	31

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37	Low-Level Temperature Inversions of the Eurasian Arctic and Comparisons with Soviet Drifting Station Data. <i>Journal of Climate</i> , 1992, 5, 615-629.	1.2	201
38	In Situ Meteorological Sounding Archives for Arctic Studies. <i>Bulletin of the American Meteorological Society</i> , 1992, 73, 1824-1830.	1.7	40
39	Tropospheric low-level temperature inversions in the Canadian Arctic. <i>Atmosphere - Ocean</i> , 1992, 30, 511-529.	0.6	68
40	Electron microscope studies of Mt. Pinatubo aerosol layers over Laramie, Wyoming during summer 1991. <i>Geophysical Research Letters</i> , 1992, 19, 203-206.	1.5	56
41	Electron microscope studies of aerosol layers with likely Kuwaiti origins over Laramie, Wyoming during spring 1991. <i>Geophysical Research Letters</i> , 1992, 19, 389-392.	1.5	14
42	Theoretical heights of buoyant convection above open leads in the winter Arctic pack ice cover. <i>Journal of Geophysical Research</i> , 1992, 97, 9411-9422.	3.3	65
43	Symposium on the tropospheric chemistry of the Antarctic Region. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1992, 44, 250-251.	0.8	4
44	Three-wavelength nephelometer suitable for aircraft measurement of background aerosol scattering coefficient. <i>Atmospheric Environment Part A General Topics</i> , 1991, 25, 2267-2276.	1.3	50
45	Predicting atmospheric debris transport in real-time using a trajectory forecast model. <i>Atmospheric Environment Part A General Topics</i> , 1991, 25, 1705-1713.	1.3	8
46	Decrease of summer tropospheric ozone concentrations in Antarctica. <i>Nature</i> , 1991, 351, 726-729.	13.7	80
47	Arctic boundary layer ozone variations associated with nitrate, bromine, and meteorology: A case study. <i>Journal of Geophysical Research</i> , 1990, 95, 22433-22440.	3.3	12
48	Aerosol characteristics of Arctic haze sampled during AGASP-II. <i>Atmospheric Environment Part A General Topics</i> , 1990, 24, 937-949.	1.3	23
49	Aerosol and lidar measurements of hazes in mid-latitude and polar airmasses. <i>Atmospheric Environment</i> , 1989, 23, 2417-2430.	1.1	21
50	Seasonal surface ozone and filterable bromine relationship in the high Arctic. <i>Atmospheric Environment</i> , 1989, 23, 2431-2441.	1.1	141
51	Size distribution of large aerosol particles during AGASP-II: Absence of st. augustine eruptive particles in the Alaskan Arctic. <i>Atmospheric Environment</i> , 1989, 23, 2495-2499.	1.1	3
52	A major haze event near point barrow, Alaska: Analysis of probable source regions and transport pathways. <i>Atmospheric Environment</i> , 1989, 23, 2537-2549.	1.1	51
53	NOAA WP-3D instrumentation and flight operations on AGASP-II. <i>Journal of Atmospheric Chemistry</i> , 1989, 9, 3-16.	1.4	27
54	Meteorology and haze structure during AGASP-II, Part 1: Alaskan Arctic flights, 2?10 April 1986. <i>Journal of Atmospheric Chemistry</i> , 1989, 9, 17-48.	1.4	35

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55	Meteorology and haze structure during AGASP-II, Part 2: Canadian Arctic flights, 13-16 April 1986. <i>Journal of Atmospheric Chemistry</i> , 1989, 9, 49-70.	1.4	17
56	Lidar detection of leads in Arctic sea ice. <i>Nature</i> , 1989, 339, 530-532.	13.7	92
57	Ozone destruction and photochemical reactions at polar sunrise in the lower Arctic atmosphere. <i>Nature</i> , 1988, 334, 138-141.	13.7	996
58	In-flight intercomparisons of some aircraft meteorological and chemical measurement techniques. <i>Global Biogeochemical Cycles</i> , 1988, 2, 1-11.	1.9	17
59	Aerosol and ozone distributions over the western North Atlantic during WATOX-86. <i>Global Biogeochemical Cycles</i> , 1988, 2, 23-39.	1.9	10
60	Aerosol black carbon measurements at the South Pole: Initial results, 1986-1987. <i>Geophysical Research Letters</i> , 1988, 15, 1193-1196.	1.5	102
61	The National Oceanic and Atmospheric Administration Wp-3d Meteorological, Aerosol, and Gas Systems, and flight operations, on Watox-86. <i>Global Biogeochemical Cycles</i> , 1987, 1, 297-307.	1.9	8
62	Association of an ice-nucleating pseudomonad with cultures of the marine dinoflagellate, <i>Heterocapsa niei</i> . <i>Journal of Marine Research</i> , 1985, 43, 257-265.	0.3	52
63	Air mass characteristics in the vicinity of Barrow, Alaska, 9-19 March 1983. <i>Atmospheric Environment</i> , 1985, 19, 2127-2134.	1.1	25
64	The distribution and transport of pollution aerosols over the Norwegian Arctic on 31 March and 4 April 1983. <i>Atmospheric Environment</i> , 1985, 19, 2135-2142.	1.1	13
65	Observations of Arctic haze during polar flights from Alaska to Norway. <i>Atmospheric Environment</i> , 1985, 19, 2143-2151.	1.1	20
66	Intrusions of stratospheric air into Alaska's troposphere, March 1983. <i>Atmospheric Environment</i> , 1985, 19, 2153-2158.	1.1	26
67	Particulate sulfur and chlorine in Arctic aerosols, spring 1983. <i>Atmospheric Environment</i> , 1985, 19, 2167-2173.	1.1	19
68	Arctic haze: Editorial. <i>Geophysical Research Letters</i> , 1984, 11, 359-359.	1.5	14
69	Arctic haze and the Arctic Gas and Aerosol Sampling Program (AGASP). <i>Geophysical Research Letters</i> , 1984, 11, 361-364.	1.5	114
70	Vertical and horizontal characteristics of Arctic haze during AGASP: Alaskan Arctic. <i>Geophysical Research Letters</i> , 1984, 11, 369-372.	1.5	57
71	Aerosol distributions and an Arctic aerosol front during AGASP: Norwegian Arctic. <i>Geophysical Research Letters</i> , 1984, 11, 373-376.	1.5	28
72	El Chichon volcanic debris in an Arctic tropopause fold. <i>Geophysical Research Letters</i> , 1984, 11, 421-424.	1.5	65

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73	Coarse particle soil dust in Arctic aerosols, spring 1983. <i>Geophysical Research Letters</i> , 1984, 11, 995-998.	1.5	21
74	Airborne ice nucleus measurements around the Hawaiian Islands. <i>Journal of Geophysical Research</i> , 1982, 87, 8886-8890.	3.3	15
75	Ice nucleus characteristics of Mount St. Helens effluents. <i>Journal of Geophysical Research</i> , 1982, 87, 11109-11112.	3.3	13
76	Carbon dioxide measurements in tropical East African biomes. <i>Journal of Geophysical Research</i> , 1981, 86, 5364-5372.	3.3	15
77	Ice nucleus and aerosol measurements in the plume of the Johnstown, PA., steel mill. <i>Geophysical Research Letters</i> , 1980, 7, 397-400.	1.5	3
78	Aerosol and ice nuclei measurements in the plume of the Homer City, PA., power plant. <i>Geophysical Research Letters</i> , 1979, 6, 371-374.	1.5	5
79	Ice Nuclei in Seawater, Fog Water and Marine Air off the Coast of Nova Scotia: Summer 1975. <i>Journals of the Atmospheric Sciences</i> , 1977, 34, 1299-1305.	0.6	72
80	Atmospheric ice nuclei: No detectable effects from a coal-fired powerplant plume. <i>Geophysical Research Letters</i> , 1976, 3, 657-660.	1.5	13
81	Biogenic Ice Nuclei: Part I. Terrestrial and Marine Sources. <i>Journals of the Atmospheric Sciences</i> , 1976, 33, 1554-1564.	0.6	255
82	Biogenic Ice Nuclei. Part II: Bacterial Sources. <i>Journals of the Atmospheric Sciences</i> , 1976, 33, 1565-1570.	0.6	199
83	Airborne ice nuclei near an active volcano. <i>Nature</i> , 1976, 264, 535-536.	13.7	28
84	World-wide Source of Leaf-derived Freezing Nuclei. <i>Nature</i> , 1973, 246, 212-213.	13.7	105
85	Atmospheric Ice Nuclei from Decomposing Vegetation. <i>Nature</i> , 1972, 236, 163-165.	13.7	261