William I Rose

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

136 papers

8,386 citations

56 h-index

87 g-index

144 ext. papers

9,046 ext. citations

5.4 avg, IF

5.61 L-index

#	Paper	IF	Citations
136	A global framework for the Earth: putting geological sciences in context. <i>Global and Planetary Change</i> , 2018 , 171, 293-321	4.2	8
135	Jacobsville Sandstone: a candidate for nomination for ?Global Heritage Stone Resource? from Michigan, USA. <i>Episodes</i> , 2017 , 40, 213-219	1.6	6
134	NanoSIMS results from olivine-hosted melt embayments: Magma ascent rate during explosive basaltic eruptions. <i>Journal of Volcanology and Geothermal Research</i> , 2014 , 283, 1-18	2.8	76
133	An integrated field-numerical approach to assess slope stability hazards at volcanoes: the example of Pacaya, Guatemala. <i>Bulletin of Volcanology</i> , 2013 , 75, 1	2.4	26
132	Volatile loss from melt inclusions in pyroclasts of differing sizes. <i>Contributions To Mineralogy and Petrology</i> , 2013 , 165, 129-153	3.5	139
131	Geochemistry and evolution of the Santiaguito volcanic dome complex, Guatemala. <i>Journal of Volcanology and Geothermal Research</i> , 2013 , 252, 92-107	2.8	23
130	Large-volume Barriles and Cais debris avalanche deposits from Volc Bar [Panama 2013,		2
129	A 50 yr eruption of a basaltic composite cone: Pacaya, Guatemala 2013 ,		7
128	The size range of bubbles that produce ash during explosive volcanic eruptions. <i>Journal of Applied Volcanology</i> , 2013 , 2,	2.6	19
127	Open-vent volcanism and related hazards: Overview 2013,		19
126	The magmatic plumbing system beneath Santiaguito Volcano, Guatemala. <i>Journal of Volcanology and Geothermal Research</i> , 2012 , 237-238, 54-68	2.8	34
125	An eruptive history of Maderas volcano using new 40Ar/39Ar ages and geochemical analyses. <i>Bulletin of Volcanology</i> , 2012 , 74, 2007-2021	2.4	6
124	Long-range volcanic ash transport and fallout during the 2008 eruption of Chaitli volcano, Chile. <i>Physics and Chemistry of the Earth</i> , 2012 , 45-46, 50-64	3	51
123	Shape and surface area measurements using scanning electron microscope stereo-pair images of volcanic ash particles 2010 , 6, 805-811		26
122	Patterns in open vent, strombolian behavior at Fuego volcano, Guatemala, 2005\(\mathbb{Q}\)007. <i>Bulletin of Volcanology</i> , 2010 , 72, 1-15	2.4	58
121	Particle sizes of andesitic ash fallout from vertical eruptions and co-pyroclastic flow clouds, Volcfi de Colima, Mexico. <i>Geology</i> , 2009 , 37, 935-938	5	19
120	A multidisciplinary effort to assign realistic source parameters to models of volcanic ash-cloud transport and dispersion during eruptions. <i>Journal of Volcanology and Geothermal Research</i> , 2009 , 186, 10-21	2.8	456

(2004-2009)

119	Fine ash content of explosive eruptions. <i>Journal of Volcanology and Geothermal Research</i> , 2009 , 186, 32-39	2.8	184
118	Sedimentological constraints on hydrometeor-enhanced particle deposition: 1992 Eruptions of Crater Peak, Alaska. <i>Journal of Volcanology and Geothermal Research</i> , 2009 , 186, 40-59	2.8	54
117	El Chichi volcano, April 4, 1982: volcanic cloud history and fine ash fallout. <i>Natural Hazards</i> , 2009 , 51, 363-374	3	20
116	Volcanic emissions from Popocatpetl volcano, Mexico, quantified using Moderate Resolution Imaging Spectroradiometer (MODIS) infrared data: A case study of the December 2000[]anuary 2001 emissions. <i>Journal of Volcanology and Geothermal Research</i> , 2008 , 170, 76-85	2.8	12
115	Ice nucleation and overseeding of ice in volcanic clouds. <i>Journal of Geophysical Research</i> , 2008 , 113,		102
114	Nature and significance of small volume fall deposits at composite volcanoes: Insights from the October 14, 1974 Fuego eruption, Guatemala. <i>Bulletin of Volcanology</i> , 2008 , 70, 1043-1067	2.4	69
113	Microphysical characterization of microwave Radar reflectivity due to volcanic ash clouds. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006 , 44, 313-327	8.1	38
112	Volcanic particle aggregation in explosive eruption columns. Part I: Parameterization of the microphysics of hydrometeors and ash. <i>Journal of Volcanology and Geothermal Research</i> , 2006 , 150, 359	9-377	68
111	Volcanic particle aggregation in explosive eruption columns. Part II: Numerical experiments. <i>Journal of Volcanology and Geothermal Research</i> , 2006 , 150, 378-394	2.8	53
110	Origin of silicic magmas along the Central American volcanic front: Genetic relationship to mafic melts. <i>Journal of Volcanology and Geothermal Research</i> , 2006 , 156, 217-228	2.8	37
109	Downstream aggradation owing to lava dome extrusion and rainfall runoff at Volca n Santiaguito, Guatemala 2006 ,		8
108	Volcanic Ash Cloud Retrieval by Ground-Based Microwave Weather Radar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006 , 44, 3235-3246	8.1	74
107	Atmospheric chemistry of a 33B4 hour old volcanic cloud from Hekla Volcano (Iceland): Insights from direct sampling and the application of chemical box modeling. <i>Journal of Geophysical Research</i> , 2006 , 111,		75
106	Halogen emissions from a small volcanic eruption: Modeling the peak concentrations, dispersion, and volcanically induced ozone loss in the stratosphere. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	31
105	Advantageous GOES IR results for ash mapping at high latitudes: Cleveland eruptions 2001. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	14
104	The evolution of an active silicic lava flow field: an ETM+ perspective. <i>Journal of Volcanology and Geothermal Research</i> , 2004 , 135, 147-168	2.8	64
103	Thermal infrared remote sensing of volcanic emissions using the moderate resolution imaging spectroradiometer. <i>Journal of Volcanology and Geothermal Research</i> , 2004 , 135, 75-89	2.8	144
102	Observations of eruptive activity at Santiaguito volcano, Guatemala. <i>Journal of Volcanology and Geothermal Research</i> , 2004 , 136, 297-302	2.8	71

101	SO2 emissions to the atmosphere from active volcanoes in Guatemala and El Salvador, 1999\(\textbf{0}002\). Journal of Volcanology and Geothermal Research, 2004 , 138, 325-344	2.8	36
100	Weather radar observations of the Hekla 2000 eruption cloud, Iceland. <i>Bulletin of Volcanology</i> , 2004 , 66, 457-473	2.4	88
99	Numerical modeling of geophysical granular flows: 2. Computer simulations of plinian clouds and pyroclastic flows and surges. <i>Geochemistry, Geophysics, Geosystems</i> , 2004 , 5,	3.6	54
98	Re-evaluation of SO2 release of the 15 June 1991 Pinatubo eruption using ultraviolet and infrared satellite sensors. <i>Geochemistry, Geophysics, Geosystems</i> , 2004 , 5, n/a-n/a	3.6	111
97	Particles in the great Pinatubo volcanic cloud of June 1991: The role of ice. <i>Geochemistry, Geophysics, Geosystems</i> , 2004 , 5, n/a-n/a	3.6	51
96	Explosion dynamics of pyroclastic eruptions at Santiaguito Volcano. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	34
95	Surface temperature and spectral measurements at Santiaguito lava dome, Guatemala. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	15
94	Scattering matrices of volcanic ash particles of Mount St. Helens, Redoubt, and Mount Spurr Volcanoes. <i>Journal of Geophysical Research</i> , 2004 , 109,		63
93	Natural hazards and risk mitigation in El Salvador: An introduction 2004 ,		3
92	Temporal trends in lava dome extrusion at Santiaguito 1922\(\mathbb{Q}\)000. Bulletin of Volcanology, 2003 , 65, 77-89	2.4	108
92 91		2.4	108
	65, 77-89 Quantitative shape measurements of distal volcanic ash. <i>Journal of Geophysical Research</i> , 2003 ,	2.4 1.5	
91	Quantitative shape measurements of distal volcanic ash. <i>Journal of Geophysical Research</i> , 2003 , 108, Integrating petrologic and remote sensing perspectives on magmatic volatiles and volcanic		131
91	Ouantitative shape measurements of distal volcanic ash. <i>Journal of Geophysical Research</i> , 2003 , 108, Integrating petrologic and remote sensing perspectives on magmatic volatiles and volcanic degassing. <i>Eos</i> , 2003 , 84, 441 Retrieval of mass and sizes of particles in sandstorms using two MODIS IR bands: A case study of	1.5	131
91 90 89	Quantitative shape measurements of distal volcanic ash. <i>Journal of Geophysical Research</i> , 2003 , 108, Integrating petrologic and remote sensing perspectives on magmatic volatiles and volcanic degassing. <i>Eos</i> , 2003 , 84, 441 Retrieval of mass and sizes of particles in sandstorms using two MODIS IR bands: A case study of April 7, 2001 sandstorm in China. <i>Geophysical Research Letters</i> , 2003 , 30, Atmospheric correction for satellite-based volcanic ash mapping and retrievals using Bplit window	1.5	131 10 49
91 90 89 88	Quantitative shape measurements of distal volcanic ash. <i>Journal of Geophysical Research</i> , 2003, 108, Integrating petrologic and remote sensing perspectives on magmatic volatiles and volcanic degassing. <i>Eos</i> , 2003, 84, 441 Retrieval of mass and sizes of particles in sandstorms using two MODIS IR bands: A case study of April 7, 2001 sandstorm in China. <i>Geophysical Research Letters</i> , 2003, 30, Atmospheric correction for satellite-based volcanic ash mapping and retrievals using Bplit window! IR data from GOES and AVHRR. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 10-1	1.5	131 10 49 84
91 90 89 88 87	Quantitative shape measurements of distal volcanic ash. <i>Journal of Geophysical Research</i> , 2003, 108, Integrating petrologic and remote sensing perspectives on magmatic volatiles and volcanic degassing. <i>Eos</i> , 2003, 84, 441 Retrieval of mass and sizes of particles in sandstorms using two MODIS IR bands: A case study of April 7, 2001 sandstorm in China. <i>Geophysical Research Letters</i> , 2003, 30, Atmospheric correction for satellite-based volcanic ash mapping and retrievals using Bplit windowII IR data from GOES and AVHRR. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 10-1 Collaborative studies target volcanic hazards in Central America. <i>Eos</i> , 2002, 83, 429 Observations of Volcanic Clouds in Their First Few Days of Atmospheric Residence: The 1992	1.5	131 10 49 84 3

(1994-2000)

83	Retrieval of Sulfate and Silicate Ash Masses in Young (1 to 4 Days Old) Eruption Clouds Using Multiband Infrared HIRS/2 Data. <i>Geophysical Monograph Series</i> , 2000 , 87-100	1.1	14
82	Use of GOES thermal infrared imagery for eruption scale measurements, Soufrife Hills, Montserrat. <i>Geophysical Research Letters</i> , 2000 , 27, 3097-3100	4.9	25
81	Effect of particle non-sphericity on satellite monitoring of drifting volcanic ash clouds. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 1999 , 63, 613-630	2.1	60
80	An improved age framework for late Quaternary silicic eruptions in northern Central America. <i>Bulletin of Volcanology</i> , 1999 , 61, 106-120	2.4	51
79	Comparison of TOMS and AVHRR volcanic ash retrievals from the August 1992 eruption of Mt. Spurr. <i>Geophysical Research Letters</i> , 1999 , 26, 455-458	4.9	52
78	Early evolution of a stratospheric volcanic eruption cloud as observed with TOMS and AVHRR. <i>Journal of Geophysical Research</i> , 1999 , 104, 4037-4050		85
77	GOES imagery fills gaps in Montserrat volcanic cloud observations. <i>Eos</i> , 1998 , 79, 505-505	1.5	14
76	Stratospheric Loading of Sulfur From Explosive Volcanic Eruptions. <i>Journal of Geology</i> , 1997 , 105, 671-0	584	101
75	Satellite images offer aircraft protection from volcanic ash clouds. <i>Eos</i> , 1996 , 77, 529-532	1.5	21
74	Remote sensing of volcanic ash clouds using special sensor microwave imager data. <i>Journal of Geophysical Research</i> , 1996 , 101, 11579-11588		17
73	Dynamics of carbon dioxide emissions, crystallization, and magma ascent: hypotheses, theory, and applications to volcano monitoring at Mount St. Helens. <i>Bulletin of Volcanology</i> , 1996 , 58, 163-174	2.4	24
7 ²	Ice in the 1994 Rabaul eruption cloud: implications for volcano hazard and atmospheric effects. <i>Nature</i> , 1995 , 375, 477-479	50.4	130
71	Volcanic ash in ancient Maya ceramics of the limestone lowlands: implications for prehistoric volcanic activity in the Guatemala highlands. <i>Journal of Volcanology and Geothermal Research</i> , 1995 , 66, 149-162	2.8	22
70	Edifice collapse and related hazards in Guatemala. <i>Journal of Volcanology and Geothermal Research</i> , 1995 , 66, 337-355	2.8	72
69	Mount St. Helens and Santiaguito lava domes: The effect of short-term eruption rate on surface texture and degassing processes. <i>Journal of Volcanology and Geothermal Research</i> , 1995 , 69, 105-116	2.8	45
68	Eruption of a major Holocene pyroclastic flow at CitlaltBetl volcano (Pico de Orizaba), M\(\mathbb{N}\)ico, 8.5\(\mathbb{D}\).0 ka. Journal of Volcanology and Geothermal Research, 1995, 69, 197-215	2.8	35
67	Chapter 1. VOLCANIC-GAS STUDIES: METHODS, RESULTS, AND APPLICATIONS 1994 , 1-66		86
66	Retrieval of sizes and total masses of particles in volcanic clouds using AVHRR bands 4 and 5. Journal of Geophysical Research, 1994, 99, 5421		287

65	Age and Magma Flux of Santa Mar Volcano, Guatemala: Correlation of Paleomagnetic Waveforms with the 28,000 to 25,000 yr B.P. Mono Lake Excursion. <i>Journal of Geology</i> , 1994 , 102, 11-24	2	8
64	Comment on Enother look at the calculation of fallout tephra volumes by Judy Fierstein and Manuel Nathenson. <i>Bulletin of Volcanology</i> , 1993 , 55, 372-374	2.4	44
63	A voluminous avalanche-induced lahar from Citlaltpetl volcano, Mexico: Implications for hazard assessment. <i>Journal of Volcanology and Geothermal Research</i> , 1993 , 59, 35-46	2.8	90
62	Origin, speciation, and fluxes of trace-element gases at Augustine volcano, Alaska: Insights into magma degassing and fumarolic processes. <i>Geochimica Et Cosmochimica Acta</i> , 1992 , 56, 633-657	5.5	176
61	Santa Mar∃, Guatemala: A decade volcano. <i>Eos</i> , 1992 , 73, 521-521	1.5	17
60	Cerro Quemado, Guatemala: the volcanic history and hazards of an exogenous volcanic dome complex. <i>Journal of Volcanology and Geothermal Research</i> , 1992 , 52, 303-323	2.8	20
59	Excessive sulfur dioxide emissions from Chilean volcanoes. <i>Journal of Volcanology and Geothermal Research</i> , 1991 , 46, 323-329	2.8	111
58	Anatomy of 1986 Augustine volcano eruptions as recorded by multispectral image processing of digital AVHRR weather satellite data. <i>Bulletin of Volcanology</i> , 1991 , 53, 420-435	2.4	49
57	Stratigraphy of the Toba Tuffs and the evolution of the Toba Caldera Complex, Sumatra, Indonesia. <i>Bulletin of Volcanology</i> , 1991 , 53, 343-356	2.4	99
56	Eruptive history of Earth's largest Quaternary caldera (Toba, Indonesia) clarified. <i>Geology</i> , 1991 , 19, 20	0 5	234
56 55	Eruptive history of Earth's largest Quaternary caldera (Toba, Indonesia) clarified. <i>Geology</i> , 1991 , 19, 20. Evaluation of gases, condensates, and SO2 emissions from Augustine volcano, Alaska: the degassing of a Cl-rich volcanic system. <i>Bulletin of Volcanology</i> , 1990 , 52, 355-374	0 ₅	²³⁴
	Evaluation of gases, condensates, and SO2 emissions from Augustine volcano, Alaska: the		
55	Evaluation of gases, condensates, and SO2 emissions from Augustine volcano, Alaska: the degassing of a Cl-rich volcanic system. <i>Bulletin of Volcanology</i> , 1990 , 52, 355-374 Worldwide dispersal of ash and gases from earth's largest known eruption: Toba, Sumatra, 75 ka.	2.4	96
55 54	Evaluation of gases, condensates, and SO2 emissions from Augustine volcano, Alaska: the degassing of a Cl-rich volcanic system. <i>Bulletin of Volcanology</i> , 1990 , 52, 355-374 Worldwide dispersal of ash and gases from earth's largest known eruption: Toba, Sumatra, 75 ka. <i>Global and Planetary Change</i> , 1990 , 3, 269-275 Volatile transport and deposition of Mo, W and Re in high temperature magmatic fluids. <i>Applied</i>	2.4 4.2	96
55 54 53	Evaluation of gases, condensates, and SO2 emissions from Augustine volcano, Alaska: the degassing of a Cl-rich volcanic system. <i>Bulletin of Volcanology</i> , 1990 , 52, 355-374 Worldwide dispersal of ash and gases from earth's largest known eruption: Toba, Sumatra, 75 ka. <i>Global and Planetary Change</i> , 1990 , 3, 269-275 Volatile transport and deposition of Mo, W and Re in high temperature magmatic fluids. <i>Applied Geochemistry</i> , 1990 , 5, 317-326	2.4 4.2 3.5	96 16 80
55 54 53 52	Evaluation of gases, condensates, and SO2 emissions from Augustine volcano, Alaska: the degassing of a Cl-rich volcanic system. <i>Bulletin of Volcanology</i> , 1990 , 52, 355-374 Worldwide dispersal of ash and gases from earth's largest known eruption: Toba, Sumatra, 75 ka. <i>Global and Planetary Change</i> , 1990 , 3, 269-275 Volatile transport and deposition of Mo, W and Re in high temperature magmatic fluids. <i>Applied Geochemistry</i> , 1990 , 5, 317-326 Remote sensing of volcanos and volcanic terrains. <i>Eos</i> , 1989 , 70, 1567 Detailed record of SO2 emissions from Pu'u 'O'o between episodes 33 and 34 of the 1983B6 ERZ	2.4 4.2 3.5	96 16 80 22
55 54 53 52 51	Evaluation of gases, condensates, and SO2 emissions from Augustine volcano, Alaska: the degassing of a Cl-rich volcanic system. <i>Bulletin of Volcanology</i> , 1990 , 52, 355-374 Worldwide dispersal of ash and gases from earth's largest known eruption: Toba, Sumatra, 75 ka. <i>Global and Planetary Change</i> , 1990 , 3, 269-275 Volatile transport and deposition of Mo, W and Re in high temperature magmatic fluids. <i>Applied Geochemistry</i> , 1990 , 5, 317-326 Remote sensing of volcanos and volcanic terrains. <i>Eos</i> , 1989 , 70, 1567 Detailed record of SO2 emissions from Pu'u 'O' o between episodes 33 and 34 of the 1983B6 ERZ eruption, Kilauea, Hawaii. <i>Bulletin of Volcanology</i> , 1988 , 50, 215-228	2.4 4.2 3.5 1.5	96 16 80 22

47	Volcanic activity at Santiaguito volcano, 1976¶984. <i>Special Paper of the Geological Society of America</i> , 1987 , 17-28		31
46	Interaction of aircraft and explosive eruption clouds - A volcanologist's perspective. <i>AIAA Journal</i> , 1987 , 25, 52-58	2.1	19
45	Dispersal of ash in the great Toba eruption, 75 ka. <i>Geology</i> , 1987 , 15, 913	5	202
44	Volatilization, transport and sublimation of metallic and non-metallic elements in high temperature gases at Merapi Volcano, Indonesia. <i>Geochimica Et Cosmochimica Acta</i> , 1987 , 51, 2083-2101	5.5	271
43	Quaternary silicic pyroclastic deposits of Atitla Caldera, Guatemala. <i>Journal of Volcanology and Geothermal Research</i> , 1987 , 33, 57-80	2.8	34
42	Santa Mar (Guatemala: Bimodal soda-rich calc-alkalic stratovolcano. <i>Journal of Volcanology and Geothermal Research</i> , 1987 , 33, 109-129	2.8	44
41	CENTAM IA data base of Central American volcanic rocks. <i>Journal of Volcanology and Geothermal Research</i> , 1987 , 33, 239-240	2.8	38
40	Inter-laboratory comparison of X-ray fluorescence analyses of eruptive products of El Chichil Volcano, Chiapas, Mexico. <i>Applied Geochemistry</i> , 1987 , 2, 337-345	3.5	4
39	Dynamic deformation of volcanic ejecta from the Toba caldera: Possible relevance to Cretaceous/Tertiary boundary phenomena. <i>Geology</i> , 1986 , 14, 380	5	62
38	Fluxes, sizes, morphology and compositions of particles in the Mt. Erebus volcanic plume, December 1983. <i>Journal of Atmospheric Chemistry</i> , 1986 , 4, 467-477	3.2	46
37	Rapid, high-quality major and trace element analysis of powdered rock by X-ray fluorescence spectrometry. <i>X-Ray Spectrometry</i> , 1986 , 15, 55-60	0.9	23
36	Rates of sulfur dioxide and particle emissions from White Island volcano, New Zealand, and an estimate of the total flux of major gaseous species. <i>Bulletin of Volcanology</i> , 1986 , 48, 181-188	2.4	76
35	Rate of sulphur dioxide emission from Erebus volcano, Antarctica, December 1983. <i>Nature</i> , 1985 , 316, 710-712	50.4	44
34	Halite particles injected into the stratosphere by the 1982 el chichon eruption. <i>Science</i> , 1985 , 230, 170-2	² 33.3	79
33	An estimate of gas emissions and magmatic gas content from Kilauea volcano. <i>Geochimica Et Cosmochimica Acta</i> , 1985 , 49, 125-129	5.5	133
32	Explosive eruptions of the Ayarza calderas, southeastern Guatemala. <i>Journal of Volcanology and Geothermal Research</i> , 1985 , 25, 289-307	2.8	20
31	Holocene eruptive activity of el chichon volcano, chiapas, Mexico. <i>Science</i> , 1984 , 224, 747-9	33.3	68
30	Amatitlan, An actively resurging cauldron 10 km south of Guatemala City. <i>Journal of Geophysical Research</i> , 1984 , 89, 8525		38

29	Geochemistry and evolution of the fuego volcanic complex, Guatemala. <i>Journal of Volcanology and Geothermal Research</i> , 1984 , 21, 25-44	2.8	37
28	Crater lake and post-eruption hydrothermal activity, El Chichli Volcano, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 1984 , 23, 169-191	2.8	76
27	VolcE El ChichE, Mexico: Pre-1982 S-rich eruptive activity. <i>Journal of Volcanology and Geothermal Research</i> , 1984 , 23, 147-167	2.8	50
26	Sulfur dioxide and particles in quiescent volcanic plumes from PoB, Arenal, and Colima Volcanos, Costa Rica and Mexico. <i>Journal of Geophysical Research</i> , 1984 , 89, 9633		69
25	Gas emissions and the eruptions of mount st. Helens through 1982. <i>Science</i> , 1983 , 221, 1383-5	33.3	115
24	A volcanologist's review of atmospheric hazards of volcanic activity: Fuego and Mount St. Helens. Journal of Volcanology and Geothermal Research, 1983, 17, 133-157	2.8	43
23	Estimating particle sizes, concentrations, and total mass of ash in volcanic clouds using weather radar. <i>Journal of Geophysical Research</i> , 1983 , 88, 10969		64
22	Distribution and mobility of uranium and thorium in the peralkaline Soldier Meadow Tuff, northwestern Nevada. <i>Economic Geology</i> , 1983 , 78, 353-358	4.3	4
21	Research on atmospheric volcanic emissions: An overview. <i>Geophysical Research Letters</i> , 1982 , 9, 1101-1	1409	10
20	Behavioral patterns of Fuego volcano, Guatemala. <i>Journal of Volcanology and Geothermal Research</i> , 1981 , 10, 67-81	2.8	61
19	The Los Chocoyos Ash, Guatemala: A Major Stratigraphic Marker in Middle America and in Three Ocean Basins. <i>Quaternary Research</i> , 1980 , 13, 327-345	1.9	65
18	Determination of the total grain size distribution in a Vulcanian eruption column, and its implications to stratospheric aerosol perturbation. <i>Geophysical Research Letters</i> , 1980 , 7, 893-896	4.9	49
17	Gas and hydrogen isotopic analyses of volcanic eruption clouds in Guatemala sampled by aircraft. Journal of Volcanology and Geothermal Research, 1980 , 7, 1-10	2.8	7
16	Potassium content of lavas and depth to the seismic zone in central america. <i>Journal of Volcanology and Geothermal Research</i> , 1979 , 5, 387-401	2.8	36
15	Geochemistry of the Los Chocoyos Ash, Quezaltenango Valley, Guatemala. <i>Special Paper of the Geological Society of America</i> , 1979 , 87-100		22
14	Geochemical correlation of genetically related rhyolitic ash-flow and air-fall ashes, central and western Guatemala and the equatorial Pacific. <i>Special Paper of the Geological Society of America</i> , 1979 , 101-112		18
13	The October 1974 basaltic tephra from Fuego volcano: Description and history of the magma body. Journal of Volcanology and Geothermal Research, 1978 , 4, 3-53	2.8	110
12	Scavenging of volcanic aerosol by ash: Atmospheric and volcanologic implications. <i>Geology</i> , 1977 , 5, 621	1 5	167

LIST OF PUBLICATIONS

11	Geochemistry of tholeiites of the Basic Igneous Complex of northwestern South America. <i>Bulletin of the Geological Society of America</i> , 1977 , 88, 1711	3.9	53
10	The Evolution of Santa Mar Volcano, Guatemala. <i>Journal of Geology</i> , 1977 , 85, 63-87	2	71
9	Fumarole incrustations at active central american volcanoes. <i>Geochimica Et Cosmochimica Acta</i> , 1974 , 38, 495-516	5.5	149
8	Chemical Composition and Age Determination of Tholeiitic Rocks in the Basic Igneous Complex, Ecuador. <i>Bulletin of the Geological Society of America</i> , 1973 , 84, 1043	3.9	64
7	Santiaguito Volcanic Dome, Guatemala. Bulletin of the Geological Society of America, 1972, 83, 1413	3.9	54
6	Organic Compounds in Volcanic Gas from Santiaguito Volcano, Guatemala. <i>Bulletin of the Geological Society of America</i> , 1971 , 82, 2299	3.9	65
5	The Geochemistry of Central American Volcanic Gas Condensates. <i>Bulletin of the Geological Society of America</i> , 1970 , 81, 2891	3.9	89
4	The 1966 eruption of Izalco Volcano, El Salvador. <i>Journal of Geophysical Research</i> , 1969 , 74, 3119-3130		25
3	Volcano hazards at Fuego and Acatenango, Guatemala. US Geological Survey Open-File Report,		6
2	Direct Rate Measurements of Eruption Plumes at Augustine Volcano: A problem of Scaling and Uncontrolled Variables. <i>Collected Reprint Series</i> ,4485-4499		

Common Characteristics of Paired Volcanoes in Northern Central America. *Collected Reprint Series*,4467-4476