

Daniel Dzurisin

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.

71
papers

2,660
citations

32
h-index

50
g-index

79
ext. papers

2,952
ext. citations

7.5
avg, IF

4.83
L-index

#	Paper	IF	Citations
71	Volcano Deformation: Insights into Magmatic Systems 2022 , 503-537		
70	Magma Intrusion and Volatile Ascent Beneath Norris Geyser Basin, Yellowstone National Park. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2019JB018208	3.6	12
69	Space-Based Imaging Radar Studies of U.S. Volcanoes. <i>Frontiers in Earth Science</i> , 2019 , 6,	3.5	10
68	Mass Addition at Mount St. Helens, Washington, Inferred From Repeated Gravity Surveys. <i>Journal of Geophysical Research: Solid Earth</i> , 2018 , 123, 1856-1874	3.6	13
67	Mount St. Helens Retrospective: Lessons Learned Since 1980 and Remaining Challenges. <i>Frontiers in Earth Science</i> , 2018 , 6,	3.5	8
66	Semipermanent GPS (SPGPS) as a volcano monitoring tool: Rationale, method, and applications. <i>Journal of Volcanology and Geothermal Research</i> , 2017 , 344, 40-51	2.8	7
65	Volcano geodesy in the Cascade arc, USA. <i>Bulletin of Volcanology</i> , 2017 , 79, 1	2.4	12
64	The 2004–2008 dome-building eruption at Mount St. Helens, Washington: epilogue. <i>Bulletin of Volcanology</i> , 2015 , 77, 1	2.4	18
63	InSAR Imaging of Aleutian Volcanoes 2014 , 87-345		27
62	InSAR Observations and Insights into Aleutian Volcanism 2014 , 347-367		2
61	Role of Ground Surface Deformation in Volcano Monitoring 2014 , 71-85		
60	Recent Advances in InSAR Image Processing and Analysis 2014 , 35-48		
59	Dynamic deformation of Segum Island, Alaska, 1992–2008, from multi-interferogram InSAR processing. <i>Journal of Volcanology and Geothermal Research</i> , 2013 , 260, 43-51	2.8	23
58	Pre-eruption deformation caused by dike intrusion beneath Kizimen volcano, Kamchatka, Russia, observed by InSAR. <i>Journal of Volcanology and Geothermal Research</i> , 2013 , 256, 87-95	2.8	19
57	Rapid, low-cost photogrammetry to monitor volcanic eruptions: an example from Mount St. Helens, Washington, USA. <i>Bulletin of Volcanology</i> , 2012 , 74, 579-587	2.4	37
56	Monitoring Natural Hazards in Protected Lands Using Interferometric Synthetic Aperture Radar. <i>Taylor & Francis Series in Remote Sensing Applications</i> , 2011 , 439-472		
55	Ground surface deformation patterns, magma supply, and magma storage at Okmok volcano, Alaska, from InSAR analysis: 2. Coeruptive deflation, July–August 2008. <i>Journal of Geophysical Research</i> , 2010 , 115,		50

54	Ground surface deformation patterns, magma supply, and magma storage at Okmok volcano, Alaska, from InSAR analysis: 1. Interruption deformation, 1997-2008. <i>Journal of Geophysical Research</i> , 2010 , 115,		98
53	Radar image and data fusion for natural hazards characterisation. <i>International Journal of Image and Data Fusion</i> , 2010 , 1, 217-242	1.8	25
52	Monitoring and characterizing natural hazards with satellite InSAR imagery. <i>Annals of GIS</i> , 2010 , 16, 55-64.	1	5
51	Continuing inflation at Three Sisters volcanic center, central Oregon Cascade Range, USA, from GPS, leveling, and InSAR observations. <i>Bulletin of Volcanology</i> , 2009 , 71, 1091-1110	2.4	48
50	Monitoring lava-dome growth during the 2004-2008 Mount St. Helens, Washington, eruption using oblique terrestrial photography. <i>Earth and Planetary Science Letters</i> , 2009 , 286, 243-254	5.3	36
49	Diverse Deformation Patterns of Aleutian Volcanoes from Satellite Interferometric Synthetic Aperture Radar (InSAR). <i>Geophysical Monograph Series</i> , 2007 , 249-261	1.1	14
48	Constraints on the mechanism of long-term, steady subsidence at Medicine Lake volcano, northern California, from GPS, leveling, and InSAR. <i>Journal of Volcanology and Geothermal Research</i> , 2006 , 150, 55-78	2.8	56
47	Geodetic observations and modeling of magmatic inflation at the Three Sisters volcanic center, central Oregon Cascade Range, USA. <i>Journal of Volcanology and Geothermal Research</i> , 2006 , 150, 35-54	2.8	44
46	Uplift, thermal unrest and magma intrusion at Yellowstone caldera. <i>Nature</i> , 2006 , 440, 72-5	50.4	118
45	Dynamics of seismogenic volcanic extrusion at Mount St Helens in 2004-05. <i>Nature</i> , 2006 , 444, 439-43	50.4	153
44	Interferometric synthetic aperture radar study of Okmok volcano, Alaska, 1992-2003: Magma supply dynamics and postemplacement lava flow deformation. <i>Journal of Geophysical Research</i> , 2005 , 110,		103
43	Mount St. Helens reawakens. <i>Eos</i> , 2005 , 86, 25	1.5	26
42	Surface deformation associated with the March 1996 earthquake swarm at Akutan Island, Alaska, revealed by C-band ERS and L-band JERS radar interferometry. <i>Canadian Journal of Remote Sensing</i> , 2005 , 31, 7-20	1.8	33
41	A comprehensive approach to monitoring volcano deformation as a window on the eruption cycle. <i>Reviews of Geophysics</i> , 2003 , 41,	23.1	130
40	Magma supply dynamics at Westdahl volcano, Alaska, modeled from satellite radar interferometry. <i>Journal of Geophysical Research</i> , 2003 , 108,		63
39	EarthScoping the inner workings of magmatic systems. <i>Eos</i> , 2003 , 84, 235-235	1.5	1
38	Steady subsidence of Medicine Lake volcano, northern California, revealed by repeated leveling surveys. <i>Journal of Geophysical Research</i> , 2002 , 107, ECV 8-1-ECV 8-16		35
37	Preruptive inflation and surface interferometric coherence characteristics revealed by satellite radar interferometry at Makushin Volcano, Alaska: 1993-2000. <i>Journal of Geophysical Research</i> , 2002 , 107, ECV 1-1-ECV 1-13		37

36	Subsidence at Kiska Volcano, Western Aleutians, detected by satellite radar interferometry. <i>Geophysical Research Letters</i> , 2002 , 29, 2-1-2-4	4.9	34
35	Magmatic activity beneath the quiescent Three Sisters volcanic center, central Oregon Cascade Range, USA. <i>Geophysical Research Letters</i> , 2002 , 29, 26-1	4.9	105
34	Volcano geodesy: challenges and opportunities for the 21st century. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2000 , 358, 1547-1566	3	28
33	Ground deformation associated with the March 1996 earthquake swarm at Akutan volcano, Alaska, revealed by satellite radar interferometry. <i>Journal of Geophysical Research</i> , 2000 , 105, 21483-21495		64
32	Aseismic inflation of Westdahl Volcano, Alaska, revealed by satellite radar interferometry. <i>Geophysical Research Letters</i> , 2000 , 27, 1567-1570	4.9	58
31	Results of repeated leveling surveys at Newberry Volcano, Oregon, and near Lassen Peak Volcano, California. <i>Bulletin of Volcanology</i> , 1999 , 61, 83-91	2.4	8
30	Renewed uplift at the Yellowstone Caldera measured by leveling surveys and satellite radar interferometry. <i>Bulletin of Volcanology</i> , 1999 , 61, 349-355	2.4	38
29	Volcano geodesy: The search for magma reservoirs and the formation of eruptive vents. <i>Reviews of Geophysics</i> , 1997 , 35, 343-384	23.1	217
28	The Uwekahuna Ash Member of the Puna Basalt: product of violent phreatomagmatic eruptions at Kilauea volcano, Hawaii, between 2800 and 2100±140 years ago. <i>Journal of Volcanology and Geothermal Research</i> , 1995 , 66, 163-184	2.8	44
27	Mechanisms of crustal uplift and subsidence at the Yellowstone caldera, Wyoming. <i>Bulletin of Volcanology</i> , 1994 , 56, 261-270	2.4	57
26	Variations in magma supply rate at Kilauea Volcano, Hawaii. <i>Journal of Geophysical Research</i> , 1993 , 98, 22255-22268		87
25	Crustal subsidence, seismicity, and structure near Medicine Lake Volcano, California. <i>Journal of Geophysical Research</i> , 1991 , 96, 16319		27
24	Recent crustal subsidence at Yellowstone Caldera, Wyoming. <i>Bulletin of Volcanology</i> , 1990 , 52, 247-270	2.4	59
23	Cooling rate and thermal structure determined from progressive magnetization of the Dacite Dome at Mount St. Helens, Washington. <i>Journal of Geophysical Research</i> , 1990 , 95, 2763		35
22	Vertical surface displacements at Yellowstone Caldera, Wyoming, 1976-1986. <i>Journal of Geophysical Research</i> , 1987 , 92, 13753-13766		65
21	Forecasts and predictions of eruptive activity at Mount St. Helens, USA: 1975-1984. <i>Journal of Geodynamics</i> , 1985 , 3, 397-423	2.2	58
20	Expendable bubble tiltmeter for geophysical monitoring. <i>Review of Scientific Instruments</i> , 1983 , 54, 415-418	1.8	31
19	Predicting eruptions at mount st. Helens, june 1980 through december 1982. <i>Science</i> , 1983 , 221, 1369-1373	3.3	114

18	Eruption prediction aided by electronic tiltmeter data at mount st. Helens. <i>Science</i> , 1983 , 221, 1381-3	33.3	52
17	Stripping of Keanakakoi tephra on Kilauea Volcano, Hawaii. <i>Bulletin of the Geological Society of America</i> , 1983 , 94, 1148	3.9	20
16	Influence of fortnightly Earth tides at Kilauea Volcano, Hawaii. <i>Geophysical Research Letters</i> , 1980 , 7, 925-928	4.9	57
15	The 1977 eruption of Kilauea volcano, Hawaii. <i>Journal of Volcanology and Geothermal Research</i> , 1980 , 7, 189-210	2.8	55
14	Mount St. Helens, 1980 to now—what's going on?. <i>US Geological Survey Fact Sheet</i> ,		3
13	Global Positioning System (GPS) survey of Augustine Volcano, Alaska, August 3-8, 2000: data processing, geodetic coordinates and comparison with prior geodetic surveys. <i>US Geological Survey Open-File Report</i> ,		5
12	Areal distribution, thickness, and volume of downwind ash from the May 18, 1980, eruption of Mount St. Helens. <i>US Geological Survey Open-File Report</i> ,		2
11	Tilt networks of Mount Shasta and Lassen Peak, California. <i>US Geological Survey Open-File Report</i> ,		7
10	Precision gravity networks at Lassen Peak and Mount Shasta, California. <i>US Geological Survey Open-File Report</i> ,		7
9	Preliminary results of precise leveling and trilateration surveys in Yellowstone National Park, Wyoming, 1983-1984. <i>US Geological Survey Open-File Report</i> ,		3
8	Preliminary results of precise leveling and trilateration surveys in Yellowstone National Park, Wyoming, 1985. <i>US Geological Survey Open-File Report</i> ,		2
7	Remote camera observations of lava dome growth at Mount St. Helens, Washington, October 2004 to February 2006. <i>US Geological Survey Profesional Paper</i> ,225-236		2
6	Constraints and conundrums resulting from ground-deformation measurements made during the 2004-2005 dome-building eruption of Mount St. Helens, Washington. <i>US Geological Survey Profesional Paper</i> ,281-300		11
5	Analysis of GPS-measured deformation associated with the 2004-2006 dome-building eruption of Mount St. Helens, Washington. <i>US Geological Survey Profesional Paper</i> ,301-333		15
4	Surface deformation of Augustine Volcano, 1992-2005, from multiple-interferogram processing using a refined Small Baseline Subset (SBAS) Interferometric Synthetic Aperture Radar (InSAR) approach: Chapter 18 in The 2006 eruption of Augustine Volcano, Alaska. <i>US Geological Survey Profesional Paper</i> ,453-465		10
3	History of surface displacements at the Yellowstone Caldera, Wyoming, from leveling surveys and InSAR observations, 1923-2008. <i>US Geological Survey Profesional Paper</i> ,		12
2	Geodetic constraints on a 25-year magmatic inflation episode near Three Sisters, central Oregon. <i>Journal of Geophysical Research: Solid Earth</i> ,	3.6	2
1	Vertical Surface Displacements at Yellowstone Caldera, Wyoming, 1976-1986. <i>Collected Reprint Series</i> ,13753-13766		

