Daniel Dzurisin

List of Publications by Year
in descending order

59 papers	3,325 citations	126907 33 h-index	175258 52 g-index
79 all docs	79 docs citations	79 times ranked	2025 citing authors

#	Article	IF	Citations
1	Volcano geodesy: The search for magma reservoirs and the formation of eruptive vents. Reviews of Geophysics, 1997, 35, 343-384.	23.0	267
2	Dynamics of seismogenic volcanic extrusion at Mount St Helens in 2004â€“05. Nature, 2006, 444, 439-443.	27.8	191
3	A comprehensive approach to monitoring volcano deformation as a window on the eruption cycle. Reviews of Geophysics, 2003, 41, .	23.0	160
4	Uplift, thermal unrest and magma intrusion at Yellowstone caldera. Nature, 2006, 440, 72-75.	27.8	138
5	Magmatic activity beneath the quiescent Three Sisters volcanic center, central Oregon Cascade Range, USA. Geophysical Research Letters, 2002, 29, 26-1.	4.0	134
6	Predicting Eruptions at Mount St. Helens, June 1980 Through December 1982. Science, 1983, 221, 1369-1376.	12.6	133
7	Interferometric synthetic aperture radar study of Okmok volcano, Alaska, 1992-2003: Magma supply dynamics and postemplacement lava flow deformation. Journal of Geophysical Research, 2005, 110, .	3.3	129
8	Ground surface deformation patterns, magma supply, and magma storage at Okmok volcano, Alaska, from InSAR analysis: 1. Intereruption deformation, 1997â€“2008. Journal of Geophysical Research, 2010, 115, .	3.3	119
9	Variations in magma supply rate at Kilauea Volcano, Hawaii. Journal of Geophysical Research, 1993, 98, 22255-22268.	3.3	109
10	Forecasts and predictions of eruptive activity at Mount St. Helens, USA: 1975â€“1984. Journal of Geodynamics, 1985, 3, 397-423.	1.6	101
11	Constraints on the mechanism of long-term, steady subsidence at Medicine Lake volcano, northern California, from GPS, leveling, and InSAR. Journal of Volcanology and Geothermal Research, 2006, 150, 55-78.	2.1	78
12	Ground deformation associated with the March 1996 earthquake swarm at Akutan volcano, Alaska, revealed by satellite radar interferometry. Journal of Geophysical Research, 2000, 105, 21483-21495.	3.3	77
13	Vertical surface displacements at Yellowstone Caldera, Wyoming, 1976â€“1986. Journal of Geophysical Research, 1987, 92, 13753-13766.	3.3	74
14	Magma supply dynamics at Westdahl volcano, Alaska, modeled from satellite radar interferometry. Journal of Geophysical Research, 2003, 108, .	3.3	71
15	The 1977 eruption of Kilauea volcano, Hawaii. Journal of Volcanology and Geothermal Research, 1980, 7, 189-210.	2.1	67
16	Recent crustal subsidence at Yellowstone Caldera, Wyoming. Bulletin of Volcanology, 1990, 52, 247-270.	3.0	66
17	Aseismic inflation of Westdahl Volcano, Alaska, revealed by satellite radar interferometry. Geophysical Research Letters, 2000, 27, 1567-1570.	4.0	66
18	Mechanisms of crustal uplift and subsidence at the Yellowstone caldera, Wyoming. Bulletin of Volcanology, 1994, 56, 261-270.	3.0	65

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19	Influence of fortnightly Earth tides at Kilauea Volcano, Hawaii. Geophysical Research Letters, 1980, 7, 925-928.	4.0	63
20	Ground surface deformation patterns, magma supply, and magma storage at Okmok volcano, Alaska, from InSAR analysis: 2. Coeruptive deflation, Julyâ€“August 2008. Journal of Geophysical Research, 2010, 115, .	3.3	63
21	Continuing inflation at Three Sisters volcanic center, central Oregon Cascade Range, USA, from GPS, leveling, and InSAR observations. Bulletin of Volcanology, 2009, 71, 1091-1110.	3.0	61
22	Eruption Prediction Aided by Electronic Tiltmeter Data at Mount St. Helens. Science, 1983, 221, 1381-1383.	12.6	60
23	The Uwekahuna Ash Member of the Puna Basalt: product of violent phreatomagmatic eruptions at Kilauea volcano, Hawaii, between 2800 and 210014C years ago. Journal of Volcanology and Geothermal Research, 1995, 66, 163-184.	2.1	58
24	Geodetic observations and modeling of magmatic inflation at the Three Sisters volcanic center, central Oregon Cascade Range, USA. Journal of Volcanology and Geothermal Research, 2006, 150, 35-54.	2.1	58
25	Rapid, low-cost photogrammetry to monitor volcanic eruptions: an example from Mount St. Helens, Washington, USA. Bulletin of Volcanology, 2012, 74, 579-587.	3.0	50
26	Preeruptive inflation and surface interferometric coherence characteristics revealed by satellite radar interferometry at Makushin Volcano, Alaska: 1993-2000. Journal of Geophysical Research, 2002, 107, ECV 1-1-ECV 1-13.	3.3	45
27	Expendable bubble tiltmeter for geophysical monitoring. Review of Scientific Instruments, 1983, 54, 415-418.	1.3	44
28	Steady subsidence of Medicine Lake volcano, northern California, revealed by repeated leveling surveys. Journal of Geophysical Research, 2002, 107, ECV 8-1-ECV 8-16.	3.3	44
29	Cooling rate and thermal structure determined from progressive magnetization of the Dacite Dome at Mount St. Helens, Washington. Journal of Geophysical Research, 1990, 95, 2763-2780.	3.3	43
30	Renewed uplift at the Yellowstone Caldera measured by leveling surveys and satellite radar interferometry. Bulletin of Volcanology, 1999, 61, 349-355.	3.0	41
31	Monitoring lava-dome growth during the 2004â€“2008 Mount St. Helens, Washington, eruption using oblique terrestrial photography. Earth and Planetary Science Letters, 2009, 286, 243-254.	4.4	41
32	Surface deformation associated with the March 1996 earthquake swarm at Akutan Island, Alaska, revealed by C-band ERS and L-band JERS radar interferometry. Canadian Journal of Remote Sensing, 2005, 31, 7-20.	2.4	39
33	Subsidence at Kiska Volcano, Western Aleutians, detected by satellite radar interferometry. Geophysical Research Letters, 2002, 29, 2-1-2-4.	4.0	38
34	Radar image and data fusion for natural hazards characterisation. International Journal of Image and Data Fusion, 2010, 1, 217-242.	1.7	37
35	InSAR Imaging of Aleutian Volcanoes. , 2014, , 87-345.		35
36	Crustal subsidence, seismicity, and structure near Medicine Lake Volcano, California. Journal of Geophysical Research, 1991, 96, 16319-16333.	3.3	33

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37	Volcano geodesy: challenges and opportunities for the 21st century. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2000, 358, 1547-1566.	3.4	32
38	Mount St. Helens reawakens. Eos, 2005, 86, 25.	0.1	31
39	Dynamic deformation of Seguam Island, Alaska, 1992â€“2008, from multi-interferogram InSAR processing. Journal of Volcanology and Geothermal Research, 2013, 260, 43-51.	2.1	28
40	Stripping of Keanakakoi tephra on Kilauea Volcano, Hawaii. Bulletin of the Geological Society of America, 1983, 94, 1148.	3.3	23
41	Pre-eruption deformation caused by dike intrusion beneath Kizimen volcano, Kamchatka, Russia, observed by InSAR. Journal of Volcanology and Geothermal Research, 2013, 256, 87-95.	2.1	22
42	The 2004â€“2008 dome-building eruption at Mount St. Helens, Washington: epilogue. Bulletin of Volcanology, 2015, 77, 1.	3.0	21
43	Volcano geodesy in the Cascade arc, USA. Bulletin of Volcanology, 2017, 79, 1.	3.0	20
44	Mass Addition at Mount St. Helens, Washington, Inferred From Repeated Gravity Surveys. Journal of Geophysical Research: Solid Earth, 2018, 123, 1856-1874.	3.4	18
45	Diverse deformation patterns of Aleutian Volcanoes from satellite Interferometric Synthetic Aperture Radar (InSAR). Geophysical Monograph Series, 2007, , 249-261.	0.1	17
46	Space-Based Imaging Radar Studies of U.S. Volcanoes. Frontiers in Earth Science, 2019, 6, .	1.8	15
47	Magma Intrusion and Volatile Ascent Beneath Norris Geyser Basin, Yellowstone National Park. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018208.	3.4	15
48	Monitoring and characterizing natural hazards with satellite InSAR imagery. Annals of GIS, 2010, 16, 55-66.	3.1	13
49	Results of repeated leveling surveys at Newberry Volcano, Oregon, and near Lassen Peak Volcano, California. Bulletin of Volcanology, 1999, 61, 83-91.	3.0	12
50	Mount St. Helens Retrospective: Lessons Learned Since 1980 and Remaining Challenges. Frontiers in Earth Science, 2018, 6, .	1.8	12
51	Semipermanent GPS (SPGPS) as a volcano monitoring tool: Rationale, method, and applications. Journal of Volcanology and Geothermal Research, 2017, 344, 40-51.	2.1	10
52	Geodetic Constraints on a 25â€year Magmatic Inflation Episode Near Three Sisters, Central Oregon. Journal of Geophysical Research: Solid Earth, 2021, 126, .	3.4	8
53	EarthScoping the inner workings of magmatic systems. Eos, 2003, 84, 235-235.	0.1	2
54	InSAR Observations and Insights into Aleutian Volcanism. , 2014, , 347-367.		2

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55	Monitoring Natural Hazards in Protected Lands Using Interferometric Synthetic Aperture Radar. Taylor & Francis Series in Remote Sensing Applications, 2011, , 439-472.	0.0	1
56	Volcano Deformation: Insights into Magmatic Systems. , 2022, , 503-537.		0
57	Role of Ground Surface Deformation in Volcano Monitoring. , 2014, , 71-85.		0
58	Recent Advances in InSAR Image Processing and Analysis. , 2014, , 35-48.		0
59	Volcano Deformation: Insights into Magmatic Systems. , 2019, , 1-35.		0