

Thomas R Walter

List of Publications by Year in descending order

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158
papers

5,913
citations

61984

43
h-index

98798

67
g-index

199
all docs

199
docs citations

199
times ranked

4489
citing authors

#	ARTICLE	IF	CITATIONS
1	Hidden mechanical weaknesses within lava domes provided by buried high-porosity hydrothermal alteration zones. <i>Scientific Reports</i> , 2022, 12, 3202.	3.3	19
2	Radar Scenario Generation for Automotive Applications in the E Band. <i>IEEE Journal of Microwaves</i> , 2022, 2, 253-261.	6.5	3
3	Cyclical geothermal unrest as a precursor to Iceland's 2021 Fagradalsfjall eruption. <i>Nature Geoscience</i> , 2022, 15, 397-404.	12.9	29
4	Volcanotectonics: the tectonics and physics of volcanoes and their eruption mechanics. <i>Bulletin of Volcanology</i> , 2022, 84, .	3.0	7
5	Automatic Detection of Volcanic Unrest Using Blind Source Separation With a Minimum Spanning Tree Based Stability Analysis. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 7771-7787.	4.9	7
6	Anatomy of the Bezymianny volcano merely before an explosive eruption on 20.12.2017. <i>Scientific Reports</i> , 2021, 11, 1758.	3.3	19
7	A review framework of how earthquakes trigger volcanic eruptions. <i>Nature Communications</i> , 2021, 12, 1004.	12.8	50
8	A decade-long silent ground subsidence hazard culminating in a metropolitan disaster in MaceiÃ³, Brazil. <i>Scientific Reports</i> , 2021, 11, 7704.	3.3	15
9	Eruptive Cycle and Bubble Trap of Strokkur Geyser, Iceland. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020769.	3.4	14
10	Surveying fumarole sites and hydrothermal alteration by unoccupied aircraft systems (UAS) at the La Fossa cone, Vulcano Island (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2021, 413, 107208.	2.1	14
11	Constructive and Destructive Processes During the 2018-2019 Eruption Episode at Shiveluch Volcano, Kamchatka, Studied From Satellite and Aerial Data. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	8
12	Thermal remote sensing reveals communication between volcanoes of the Klyuchevskoy Volcanic Group. <i>Scientific Reports</i> , 2021, 11, 13090.	3.3	13
13	A Radar Target Simulator for Generating Synthesised and Measured micro-Doppler-Signatures of Vulnerable Road Users. , 2021, , .		1
14	Inflating Shallow Plumbing System of Bezymianny Volcano, Kamchatka, Studied by InSAR and Seismicity Data Prior to the 20 December 2017 Eruption. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	3
15	Underwater and drone based photogrammetry reveals structural control at Geysir geothermal field in Iceland. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 391, 106282.	2.1	59
16	Eruption Interval Monitoring at Strokkur Geyser, Iceland. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085266.	4.0	18
17	Insights into lava dome and spine extrusion using analogue sandbox experiments. <i>Earth and Planetary Science Letters</i> , 2020, 551, 116571.	4.4	8
18	The rebirth and evolution of Bezymianny volcano, Kamchatka after the 1956 sector collapse. <i>Communications Earth & Environment</i> , 2020, 1, .	6.8	17

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19	The 29 March 2017 Yuzhno-Ozernovskoe Kamchatka Earthquake: Fault Activity in An Extension of the East Kamchatka Fault Zone as Constrained by InSAR Observations. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 1101-1114.	2.3	0
20	UAS-based tracking of the Santiaguito Lava Dome, Guatemala. <i>Scientific Reports</i> , 2020, 10, 8644.	3.3	24
21	The 2019 Eruption Dynamics and Morphology at Ebeko Volcano Monitored by Unoccupied Aircraft Systems (UAS) and Field Stations. <i>Remote Sensing</i> , 2020, 12, 1961.	4.0	18
22	Processes culminating in the 2015 phreatic explosion at Lascar volcano, Chile, evidenced by multiparametric data. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 377-397.	3.6	14
23	Volcanological applications of unoccupied aircraft systems (UAS): Developments, strategies, and future challenges. <i>Volcanica</i> , 2020, 3, 67-114.	1.8	63
24	A Near-Range Radar Target Simulator for Automotive Radar Generating Targets of Vulnerable Road Users. <i>IEEE Microwave and Wireless Components Letters</i> , 2020, 30, 1213-1216.	3.2	19
25	Towards Global Volcano Monitoring Using Multisensor Sentinel Missions and Artificial Intelligence: The MOUNTS Monitoring System. <i>Remote Sensing</i> , 2019, 11, 1528.	4.0	97
26	Seismic activity during the 2013–2015 intereruptive phase at Lascar volcano, Chile. <i>Geophysical Journal International</i> , 2019, 219, 449-463.	2.4	7
27	Growth and collapse of a littoral lava dome during the 2018/19 eruption of Kadovar Volcano, Papua New Guinea, analyzed by multi-sensor satellite imagery. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 388, 106704.	2.1	19
28	Hydrothermal alteration of andesitic lava domes can lead to explosive volcanic behaviour. <i>Nature Communications</i> , 2019, 10, 5063.	12.8	76
29	The impact of unloading stresses on post-caldera magma intrusions. <i>Earth and Planetary Science Letters</i> , 2019, 508, 109-121.	4.4	13
30	Load Stress Controls on Directional Lava Dome Growth at Volc�n de Colima, Mexico. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	15
31	Complex hazard cascade culminating in the Anak Krakatau sector collapse. <i>Nature Communications</i> , 2019, 10, 4339.	12.8	105
32	Unrest at Domuyo Volcano, Argentina, Detected by Geophysical and Geodetic Data and Morphometric Analysis. <i>Remote Sensing</i> , 2019, 11, 2175.	4.0	17
33	Deformations and Morphology Changes Associated with the 2016–2017 Eruption Sequence at Bezymianny Volcano, Kamchatka. <i>Remote Sensing</i> , 2019, 11, 1278.	4.0	20
34	A Radar Target Simulator Concept for Close-Range Targets with Micro-Doppler Signatures. , 2019, , .		6
35	Volcanic activities triggered or inhibited by resonance of volcanic edifices to large earthquakes. <i>Geology</i> , 2019, 47, 67-70.	4.4	16
36	Slip Rate Variation Along the Kunlun Fault (Tibet): Results From New GPS Observations and a Viscoelastic Earthquake–Cycle Deformation Model. <i>Geophysical Research Letters</i> , 2019, 46, 2524-2533.	4.0	45

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37	Sinkholes and uvalas in evaporite karst: spatio-temporal development with links to base-level fall on the eastern shore of the Dead Sea. <i>Solid Earth</i> , 2019, 10, 1451-1468.	2.8	22
38	Imaging the 2013 explosive crater excavation and new dome formation at Volc��n de Colima with TerraSAR-X, time-lapse cameras and modelling. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 369, 224-237.	2.1	23
39	Morphological and structural changes at the Merapi lava dome monitored in 2012��15 using unmanned aerial vehicles (UAVs). <i>Journal of Volcanology and Geothermal Research</i> , 2018, 349, 256-267.	2.1	68
40	Structural weakening of the Merapi dome identified by drone photogrammetry after the 2010 eruption. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 3267-3281.	3.6	20
41	The Relationship Between Lava Fountaining and Vent Morphology for the 2014��2015 Holuhraun Eruption, Iceland, Analyzed by Video Monitoring and Topographic Mapping. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	16
42	Accelerated Aging of Cu(In,Ga)Se<inf>2</inf> Solar Cells under Dark Anneal and Electrical Bias Conditions. , 2018, , .		0
43	Radar Path Delay Effects in Volcanic Gas Plumes: The Case of L��scar Volcano, Northern Chile. <i>Remote Sensing</i> , 2018, 10, 1514.	4.0	12
44	Fault behavior and lower crustal rheology inferred from the first seven years of postseismic GPS data after the 2008 Wenchuan earthquake. <i>Earth and Planetary Science Letters</i> , 2018, 495, 202-212.	4.4	53
45	Growth of a Volcanic Edifice Through Plumbing System Processes��Volcanic Rift Zones, Magmatic Sheet-Intrusion Swarms and Long-Lived Conduits. , 2018, , 89-112.		10
46	Localized and distributed erosion triggered by the 2015 Hurricane Patricia investigated by repeated drone surveys and time lapse cameras at Volc��n de Colima, Mexico. <i>Geomorphology</i> , 2018, 319, 186-198.	2.6	21
47	Constraints on the geomorphological evolution of the nested summit craters of L��scar volcano from high spatio-temporal resolution TerraSAR-X interferometry. <i>Bulletin of Volcanology</i> , 2018, 80, 1.	3.0	10
48	REFIR- A multi-parameter system for near real-time estimates of plume-height and mass eruption rate during explosive eruptions. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 360, 61-83.	2.1	15
49	Video monitoring reveals pulsating vents and propagation path of fissure eruption during the March 2011 Pu'u '��' eruption, Kilauea volcano. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 330, 43-55.	2.1	17
50	Sinkholes, subsidence and subsrosion on the eastern shore of the Dead��Sea as revealed by a close-range photogrammetric survey. <i>Geomorphology</i> , 2017, 285, 305-324.	2.6	57
51	Multiple coincident eruptive seismic tremor sources during the 2014��2015 eruption at Holuhraun, Iceland. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 2972-2987.	3.4	27
52	Thermal and gas dynamic investigations at Lastarria volcano, Northern Chile. The influence of precipitation and atmospheric pressure on the fumarole temperature and the gas velocity. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 346, 134-140.	2.1	13
53	Evaluating links between deformation, topography and surface temperature at volcanic domes: Results from a multi-sensor study at Volc��n de Colima, Mexico. <i>Earth and Planetary Science Letters</i> , 2017, 479, 354-365.	4.4	25
54	The effect of giant lateral collapses on magma pathways and the location of volcanism. <i>Nature Communications</i> , 2017, 8, 1097.	12.8	72

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55	Effects of Host-rock Fracturing on Elastic-deformation Source Models of Volcano Deflation. Scientific Reports, 2017, 7, 10970.	3.3	30
56	Compound dislocation models (CDMs) for volcano deformation analyses. Geophysical Journal International, 2017, 208, 877-894.	2.4	61
57	Geomorphology and structural development of the nested summit crater of L�scar Volcano studied with Terrestrial Laser Scanner data and analogue modelling. Journal of Volcanology and Geothermal Research, 2017, 329, 1-12.	2.1	12
58	Significant lateral dip changes may have limited the scale of the 2015 Mw 7.8 Gorkha earthquake. Geophysical Research Letters, 2017, 44, 8847-8856.	4.0	22
59	Time-domain correlation radar for fluid surface velocity estimation using a 77 GHz sensor platform. , 2017, , .		13
60	High-Resolution Digital Elevation Modeling from TLS and UAV Campaign Reveals Structural Complexity at the 2014/2015 Holuhraun Eruption Site, Iceland. Frontiers in Earth Science, 2017, 5, .	1.8	37
61	InSAR observations of the 2009 Racha earthquake, Georgia. Natural Hazards and Earth System Sciences, 2016, 16, 2137-2144.	3.6	4
62	Lava flow hazard at Fogo Volcano, Cabo Verde, before and after the 2014�2015 eruption. Natural Hazards and Earth System Sciences, 2016, 16, 1925-1951.	3.6	69
63	Secondary Fault Activity of the North Anatolian Fault near Avcilar, Southwest of Istanbul: Evidence from SAR Interferometry Observations. Remote Sensing, 2016, 8, 846.	4.0	6
64	Lithospheric flexure and gravity spreading of Olympus Mons volcano, Mars. Journal of Geophysical Research E: Planets, 2016, 121, 255-272.	3.6	18
65	Volcano dome dynamics at Mount St. Helens: Deformation and intermittent subsidence monitored by seismicity and camera imagery pixel offsets. Journal of Geophysical Research: Solid Earth, 2016, 121, 7882-7902.	3.4	26
66	Sentinel-1 tops interferometric time series results and validation. , 2016, , .		2
67	Sloshing of a bubbly magma reservoir as a mechanism of triggered eruptions. Journal of Volcanology and Geothermal Research, 2016, 320, 156-171.	2.1	32
68	Gradual caldera collapse at B�rdarbunga volcano, Iceland, regulated by lateral magma outflow. Science, 2016, 353, aaf8988.	12.6	230
69	Rapid kinematic finite-fault inversion for an Mw+ scenario earthquake in the Marmara Sea: an uncertainty study. Geophysical Journal International, 2016, 204, 813-824.	2.4	16
70	Influence of volcanic tephra on photovoltaic (PV)-modules: an experimental study with application to the 2010 Eyjafjallaj�kull eruption, Iceland. Journal of Applied Volcanology, 2016, 5, .	2.0	8
71	Fault locking near Istanbul: indication of earthquake potential from InSAR and GPS observations. Geophysical Journal International, 2016, 205, 490-498.	2.4	21
72	The 2015 Gorkha earthquake investigated from radar satellites: slip and stress modeling along the MHT. Frontiers in Earth Science, 2015, 3, .	1.8	24

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73	Sentinel-1 assessment of the interferometric wide-swath mode. , 2015, , .		14
74	Insights into the 3D architecture of an active caldera ring-fault at Tendrök volcano through modeling of geodetic data. Earth and Planetary Science Letters, 2015, 422, 157-168.	4.4	25
75	Hydrothermal and magmatic reservoirs at Lazufre volcanic area, revealed by a high-resolution seismic noise tomography. Earth and Planetary Science Letters, 2015, 421, 27-38.	4.4	34
76	Triangular dislocation: an analytical, artefact-free solution. Geophysical Journal International, 2015, 201, 1119-1141.	2.4	84
77	Volcano-tectonic control of Merapi's lava dome splitting: The November 2013 fracture observed from high resolution TerraSAR-X data. Tectonophysics, 2015, 639, 23-33.	2.2	47
78	Satellite radar data reveal short-term pre-explosive displacements and a complex conduit system at Volcán de Colima, Mexico. Frontiers in Earth Science, 2014, 2, .	1.8	51
79	Landslide observation and volume estimation in central Georgia based on L-band InSAR. Natural Hazards and Earth System Sciences, 2014, 14, 675-688.	3.6	37
80	The ring-shaped thermal field of Stefanos crater, Nisyros Island: a conceptual model. Solid Earth, 2014, 5, 183-198.	2.8	15
81	Deflation and inflation of a large magma body beneath Uturuncu volcano, Bolivia? Insights from InSAR data, surface lineaments and stress modelling. Geophysical Journal International, 2014, 198, 462-473.	2.4	29
82	Adaptive recognition and correction of baseline shifts from collocated GPS and accelerometer using two phases Kalman filter. Advances in Space Research, 2014, 54, 1924-1932.	2.6	7
83	Overlapping post-seismic deformation processes: afterslip and viscoelastic relaxation following the 2011 Mw 9.0 Tohoku (Japan) earthquake. Geophysical Journal International, 2014, 196, 218-229.	2.4	85
84	Application of a net-based baseline correction scheme to strong-motion records of the 2011 Mw 9.0 Tohoku earthquake. Geophysical Journal International, 2014, 197, 1808-1821.	2.4	3
85	A new algorithm for tight integration of real-time GPS and strong-motion records, demonstrated on simulated, experimental, and real seismic data. Journal of Seismology, 2014, 18, 151-161.	1.3	27
86	Directional flank spreading at Mount Cameroon volcano: Evidence from analogue modeling. Journal of Geophysical Research: Solid Earth, 2014, 119, 7542-7563.	3.4	15
87	Possible coupling of Campi Flegrei and Vesuvius as revealed by InSAR time series, correlation analysis and time dependent modeling. Journal of Volcanology and Geothermal Research, 2014, 280, 104-110.	2.1	17
88	Experimental study of the interplay between magmatic rift intrusion and flank instability with application to the 2001 Mount Etna eruption. Journal of Geophysical Research: Solid Earth, 2014, 119, 5356-5368.	3.4	11
89	Dome growth and coulde spreading controlled by surface morphology, as determined by pixel offsets in photographs of the 2006 Merapi eruption. Journal of Volcanology and Geothermal Research, 2013, 261, 121-129.	2.1	37
90	Aseismic deformation across the Hilina fault system, Hawaii, revealed by wavelet analysis of InSAR and GPS time series. Earth and Planetary Science Letters, 2013, 376, 12-19.	4.4	26

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91	Cost-effective monitoring of ground motion related to earthquakes, landslides, or volcanic activity by joint use of a single-frequency GPS and a MEMS accelerometer. <i>Geophysical Research Letters</i> , 2013, 40, 3825-3829.	4.0	54
92	Origins of oblique-slip faulting during caldera subsidence. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 1778-1794.	3.4	42
93	The 2011 Mw 9.0 Tohoku Earthquake: Comparison of GPS and Strong-Motion Data. <i>Bulletin of the Seismological Society of America</i> , 2013, 103, 1336-1347.	2.3	134
94	An active ring fault detected at Tendrök volcano by using InSAR. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 4488-4502.	3.4	18
95	Coupling of Hawaiian volcanoes only during overpressure condition. <i>Geophysical Research Letters</i> , 2013, 40, 1994-1999.	4.0	12
96	Volcanic eruption monitoring by thermal image correlation: Pixel offsets show episodic dome growth of the Colima volcano. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 1408-1419.	3.4	35
97	Comparison of InSAR two-pass and time series methods for analysing landslides in central Georgia, Caucasus. , 2012, , .		2
98	Salt lake deformation detected from space. <i>Earth and Planetary Science Letters</i> , 2012, 331-332, 120-127.	4.4	16
99	Response of forearc crustal faults to the megathrust earthquake cycle: InSAR evidence from Mejillones Peninsula, Northern Chile. <i>Earth and Planetary Science Letters</i> , 2012, 333-334, 157-164.	4.4	15
100	Vertical and lateral collapse of Tharsis Tholus, Mars. <i>Earth and Planetary Science Letters</i> , 2011, 305, 445-455.	4.4	23
101	Low cost volcano deformation monitoring: optical strain measurement and application to Mount St. Helens data. <i>Geophysical Journal International</i> , 2011, 186, 699-705.	2.4	39
102	Comment on "The distribution of basaltic volcanism on Tenerife, Canary Islands: Implications on the origin and dynamics of the rift systems" by A. Geyer and J. Martı́n. <i>Tectonophysics</i> 483 (2010) 310-326. <i>Tectonophysics</i> , 2011, 503, 239-241.	2.2	7
103	Scale-dependent location of hydrothermal vents: Stress field models and infrared field observations on the Fossa Cone, Vulcano Island, Italy. <i>Journal of Volcanology and Geothermal Research</i> , 2011, 203, 133-145.	2.1	40
104	Estimating the Effect of Satellite Orbital Error Using Wavelet-Based Robust Regression Applied to InSAR Deformation Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 4600-4605.	6.3	65
105	Structural architecture of the 1980 Mount St. Helens collapse: An analysis of the Rosenquist photo sequence using digital image correlation. <i>Geology</i> , 2011, 39, 767-770.	4.4	15
106	Gravity-driven deformation of Damavand volcano, Iran, detected through InSAR time series. <i>Geology</i> , 2011, 39, 251-254.	4.4	15
107	Propagation, linkage, and interaction of caldera ring-faults: comparison between analogue experiments and caldera collapse at Miyakejima, Japan, in 2000. <i>Bulletin of Volcanology</i> , 2010, 72, 297-308.	3.0	35
108	Subduction earthquake deformation associated with 14 November 2007, Mw 7.8 Tocopilla earthquake in Chile: Results from InSAR and aftershocks. <i>Tectonophysics</i> , 2010, 490, 60-68.	2.2	49

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109	Relationship between the InSAR-measured uplift, the structural framework, and the present-day stress field at Lazufre volcanic area, central Andes. <i>Tectonophysics</i> , 2010, 492, 133-140.	2.2	28
110	On the effects of 3D mechanical heterogeneities at Campi Flegrei caldera, southern Italy. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	47
111	Satellite Monitoring of Hazards: A Focus on Istanbul, Turkey. <i>Eos</i> , 2010, 91, 313-314.	0.1	10
112	Time-dependent volcano source monitoring using interferometric synthetic aperture radar time series: A combined genetic algorithm and Kalman filter approach. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	24
113	L-band and C-band InSAR studies of African volcanic areas. , 2009, , .		4
114	Volcano spreading and fault interaction influenced by rift zone intrusions: Insights from analogue experiments analyzed with digital image correlation technique. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 183, 170-182.	2.1	40
115	Surface deformation time series and source modeling for a volcanic complex system based on satellite wide swath and image mode interferometry: The Lazufre system, central Andes. <i>Remote Sensing of Environment</i> , 2009, 113, 2062-2075.	11.0	41
116	Volcanic activity before and after large tectonic earthquakes: Observations and statistical significance. <i>Tectonophysics</i> , 2009, 471, 14-26.	2.2	87
117	Structural features of Panarea volcano in the frame of the Aeolian Arc (Italy): Implications for the 2002-2003 unrest. <i>Journal of Geodynamics</i> , 2009, 47, 288-292.	1.6	10
118	Volcanic and geochemical evolution of the Teno massif, Tenerife, Canary Islands: Some repercussions of giant landslides on ocean island magmatism. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	47
119	Randomly iterated search and statistical competency as powerful inversion tools for deformation source modeling: Application to volcano interferometric synthetic aperture radar data. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	32
120	Stress transfer in the Lazufre volcanic area, central Andes. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	36
121	Simultaneous magma and gas eruptions at three volcanoes in southern Italy: An earthquake trigger?. <i>Geology</i> , 2009, 37, 251-254.	4.4	50
122	The effects of flank collapses on volcano plumbing systems. <i>Geology</i> , 2009, 37, 1099-1102.	4.4	93
123	Land subsidence pattern controlled by old alpine basement faults in the Kashmar Valley, northeast Iran: results from InSAR and levelling. <i>Geophysical Journal International</i> , 2008, 174, 287-294.	2.4	33
124	Coseismic slip model of the 2007 August Pisco earthquake (Peru) as constrained by Wide Swath radar observations. <i>Geophysical Journal International</i> , 2008, 174, 842-848.	2.4	33
125	Caldera-scale inflation of the Lazufre volcanic area, South America: Evidence from InSAR. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 174, 337-344.	2.1	39
126	Low-temperature hydrothermal alteration of intra-caldera tuffs, Miocene Tejada caldera, Gran Canaria, Canary Islands. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 176, 551-564.	2.1	36

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127	The 26 May 2006 magnitude 6.4 Yogyakarta earthquake south of Mt. Merapi volcano: Did lahar deposits amplify ground shaking and thus lead to the disaster?. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	51
128	Land subsidence in Iran caused by widespread water reservoir overexploitation. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	191
129	InSAR time series investigation of land subsidence due to groundwater overexploitation in Tehran, Iran. , 2008, , .		7
130	Chapter 9 Facilitating Dike Intrusions into Ring-Faults. <i>Developments in Volcanology</i> , 2008, 10, 351-374.	0.5	6
131	Influences of magma chamber ellipticity on ring fracturing and eruption at collapse calderas. <i>IOP Conference Series: Earth and Environmental Science</i> , 2008, 3, 012018.	0.3	0
132	Unzipping Long Valley: An explanation for vent migration patterns during an elliptical ring fracture eruption. <i>Geology</i> , 2008, 36, 323.	4.4	29
133	Volcanic eruptions following M \geq 9 megathrust earthquakes: Implications for the Sumatra-Andaman volcanoes. <i>Geology</i> , 2007, 35, 539.	4.4	164
134	How a tectonic earthquake may wake up volcanoes: Stress transfer during the 1996 earthquakeâ€“eruption sequence at the Karymsky Volcanic Group, Kamchatka. <i>Earth and Planetary Science Letters</i> , 2007, 264, 347-359.	4.4	73
135	Stress Control of Deep Rift Intrusion at Mauna Loa Volcano, Hawaii. <i>Science</i> , 2007, 316, 1026-1030.	12.6	91
136	Volcanic activity influenced by tectonic earthquakes: Static and dynamic stress triggering at Mt. Merapi. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	106
137	Soft volcanic sediments compound 2006 Java earthquake disaster. <i>Eos</i> , 2007, 88, 486-486.	0.1	4
138	Land subsidence in Mashhad Valley, northeast Iran: results from InSAR, levelling and GPS. <i>Geophysical Journal International</i> , 2007, 168, 518-526.	2.4	143
139	Effects of mechanical layering on volcano deformation. <i>Geophysical Journal International</i> , 2007, 170, 952-958.	2.4	82
140	Volcano-earthquake interaction at Mauna Loa volcano, Hawaii. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	57
141	Gravitational spreading and formation of new rift zones on overlapping volcanoes. <i>Terra Nova</i> , 2006, 18, 26-33.	2.1	35
142	Gravitational spreading controls rift zones and flank instability on El Hierro, Canary Islands. <i>Geological Magazine</i> , 2006, 143, 257-268.	1.5	44
143	Unveiling the origin of radial grabens on Alba Patera volcano by finite element modelling. <i>Icarus</i> , 2005, 176, 44-56.	2.5	22
144	Elliptical calderas in active tectonic settings: an experimental approach. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 144, 119-136.	2.1	98

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145	Rift zone reorganization through flank instability in ocean island volcanoes: an example from Tenerife, Canary Islands. <i>Bulletin of Volcanology</i> , 2005, 67, 281-291.	3.0	86
146	Large-scale failures on domes and stratocones situated on caldera ring faults: sand-box modeling of natural examples from Kamchatka, Russia. <i>Bulletin of Volcanology</i> , 2005, 67, 457-468.	3.0	25
147	Gravitational spreading causes en-echelon diking along a rift zone of Madeira Archipelago: an experimental approach and implications for magma transport. <i>Bulletin of Volcanology</i> , 2005, 68, 37-46.	3.0	34
148	Feedback processes between magmatic events and flank movement at Mount Etna (Italy) during the 2002-2003 eruption. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	107
149	Influence of volcanic activity at Mauna Loa, Hawaii, on earthquake occurrence in the Kaoiki Seismic Zone. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	17
150	Experiments on rift zone evolution in unstable volcanic edifices. <i>Journal of Volcanology and Geothermal Research</i> , 2003, 127, 107-120.	2.1	91
151	Buttressing and fractional spreading of Tenerife, an experimental approach on the formation of rift zones. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	36
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