

# Michael M Manga

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8753943/publications.pdf>

Version: 2024-02-01

342  
papers

17,683  
citations

10984

71  
h-index

23530

111  
g-index

370  
all docs

370  
docs citations

370  
times ranked

10417  
citing authors

#	ARTICLE	IF	CITATIONS
1	The mafic Curacaut�n ignimbrite of Llama volcano, Chile. Journal of Volcanology and Geothermal Research, 2022, 421, 107418.	2.1	9
2	Microstructural differences between naturally-deposited and laboratory beach sands. Granular Matter, 2022, 24, 9.	2.2	1
3	Cooling Crusts Create Concomitant Cryovolcanic Cracks. Geophysical Research Letters, 2022, 49, .	4.0	8
4	Stable drainage in a gravity field. Advances in Water Resources, 2022, 162, 104150.	3.8	2
5	Exposed columns in the Valles Caldera ignimbrites as records of hydrothermal cooling, Jemez Mountains, New Mexico, USA. Journal of Volcanology and Geothermal Research, 2022, 426, 107536.	2.1	8
6	Mafic explosive volcanism at Llama Volcano: 3D x-ray microtomography reconstruction of pyroclasts to constrain shallow conduit processes. Bulletin of Volcanology, 2022, 84, 1.	3.0	7
7	The History of Water in Martian Magmas From Thorium Maps. Geophysical Research Letters, 2022, 49, .	4.0	7
8	Outgassing through magmatic fractures enables effusive eruption of silicic magma. Journal of Volcanology and Geothermal Research, 2022, 430, 107617.	2.1	3
9	Fate of faecal pathogen indicators during faecal sludge composting with different bulking agents in tropical climate. International Journal of Hygiene and Environmental Health, 2021, 232, 113670.	4.3	31
10	Explosive mud volcano eruptions and rafting of mud breccia blocks. Earth and Planetary Science Letters, 2021, 555, 116699.	4.4	11
11	Groundwater Level. Lecture Notes in Earth System Sciences, 2021, , 155-200.	0.6	0
12	Mud Volcanoes. Lecture Notes in Earth System Sciences, 2021, , 323-342.	0.6	3
13	Earthquakes Influenced by Water. Lecture Notes in Earth System Sciences, 2021, , 61-82.	0.6	3
14	Response to Tides, Barometric Pressure and Seismic Waves. Lecture Notes in Earth System Sciences, 2021, , 83-153.	0.6	2
15	Groundwater and Stream Composition. Lecture Notes in Earth System Sciences, 2021, , 257-287.	0.6	1
16	The 2018 reawakening and eruption dynamics of Steamboat Geyser, the world�s tallest active geyser. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	24
17	Hydrologic Precursors. Lecture Notes in Earth System Sciences, 2021, , 343-368.	0.6	0
18	Groundwater Temperature. Lecture Notes in Earth System Sciences, 2021, , 231-256.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Geysers. Lecture Notes in Earth System Sciences, 2021, , 289-299.	0.6	2
20	Stream Flow. Lecture Notes in Earth System Sciences, 2021, , 201-230.	0.6	0
21	Can artesian groundwater and earthquake-induced aquifer leakage exacerbate the manifestation of liquefaction?. Engineering Geology, 2021, 281, 105982.	6.3	13
22	Analyzing Low Frequency Seismic Events at Cerberus Fossae as Long Period Volcanic Quakes. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006518.	3.6	19
23	Brittle fragmentation by rapid gas separation in a Hawaiian fountain. Nature Geoscience, 2021, 14, 242-247.	12.9	20
24	No Cryosphereâ€”Confined Aquifer Below InSight on Mars. Geophysical Research Letters, 2021, 48, e2021GL093127.	4.0	21
25	Widespread deep seismicity in the Delaware Basin, Texas, is mainly driven by shallow wastewater injection. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	27
26	Bayesian Detection of Streamflow Response to Earthquakes. Water Resources Research, 2021, 57, e2020WR028874.	4.2	1
27	Trees Talk Tremorâ€”Wood Anatomy and Content Reveal Contrasting Treeâ€”Growth Responses to Earthquakes. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006385.	3.0	5
28	The structure and volume of large geysers in Yellowstone National Park, USA and the mineralogy and chemistry of their silica sinter deposits. Journal of Volcanology and Geothermal Research, 2021, 419, 107391.	2.1	9
29	Coordination numbers in natural beach sand. EPJ Web of Conferences, 2021, 249, 11008.	0.3	1
30	Some Lava Flows May Not Have Been as Thick as They Appear. Geophysical Research Letters, 2021, 48, .	4.0	1
31	Seismicity on tidally active solid-surface worlds. Icarus, 2020, 338, 113466.	2.5	20
32	Cascading parallel fractures on Enceladus. Nature Astronomy, 2020, 4, 234-239.	10.1	18
33	3-D seismic attenuation structure of Long Valley caldera: looking for melt bodies in the shallow crust. Geophysical Journal International, 2020, 220, 1677-1686.	2.4	8
34	Yellowstone's Old Faithful Geyser Shut Down by a Severe Thirteenth Century Drought. Geophysical Research Letters, 2020, 47, e2020GL089871.	4.0	12
35	The Alpehue geyser field, Solipulli Volcano, Chile. Journal of Volcanology and Geothermal Research, 2020, 406, 107065.	2.1	1
36	Origin and Properties of Hydrothermal Tremor at Lone Star Geyser, Yellowstone National Park, USA. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019711.	3.4	10

#	ARTICLE	IF	CITATIONS
37	Radiocarbon Dating of Silica Sinter and Postglacial Hydrothermal Activity in the El Tatio Geyser Field. Geophysical Research Letters, 2020, 47, e2020GL087908.	4.0	11
38	Stable isotopes show that earthquakes enhance permeability and release water from mountains. Nature Communications, 2020, 11, 2776.	12.8	48
39	Ongoing Dispersal of the 7 August 2019 Pumice Raft From the Tonga Arc in the Southwestern Pacific Ocean. Geophysical Research Letters, 2020, 47, e1701121.	4.0	25
40	Dating silica sinter (geyserite): A cautionary tale. Journal of Volcanology and Geothermal Research, 2020, 402, 106991.	2.1	13
41	Elevated Seismic Hazard in Kansas Due to High-Volume Injections in Oklahoma. Geophysical Research Letters, 2020, 47, e2019GL085705.	4.0	13
42	The effect of slab gaps on subduction dynamics and mantle upwelling. Tectonophysics, 2020, 785, 228458.	2.2	26
43	Rheology of Natural Sediments and Its Influence on the Settling of Dropstones in Hemipelagic Marine Sediment. Earth and Space Science, 2020, 7, e2019EA000876.	2.6	9
44	When it rains, lava pours. Nature, 2020, 580, 457-458.	27.8	3
45	Large wood as a confounding factor in interpreting the width of spring-fed streams. Earth Surface Dynamics, 2020, 8, 195-210.	2.4	2
46	RARE EARTH ELEMENTS IN YELLOWSTONE'S SILICEOUS SINTER DEPOSITS. , 2020, , .		0
47	Multiscale Digital Porous Rock Reconstruction Using Template Matching. Water Resources Research, 2019, 55, 6911-6922.	4.2	42
48	Proterozoic massif-type anorthosites as the archetypes of long-lived (â‰¥100â‰€Myr) magmatic systemsâ€”New evidence from the Kunene Anorthosite Complex (Angola). Precambrian Research, 2019, 332, 105393.	2.7	20
49	Submarine giant pumice: a window into the shallow conduit dynamics of a recent silicic eruption. Bulletin of Volcanology, 2019, 81, 1.	3.0	16
50	Coseismic Groundwater Drawdown Along Crustal Ruptures During the 2016 M<sub>w</sub> 7.0 Kumamoto Earthquake. Water Resources Research, 2019, 55, 5891-5903.	4.2	63
51	Supereruption quartz crystals and the hollow reentrants. Geology, 2019, 47, 710-714.	4.4	7
52	Volcanoes Erupt Stressed Quartz Crystals. Geophysical Research Letters, 2019, 46, 8791-8800.	4.0	2
53	Capillary Effects on Groundwater Response to Earth Tides. Water Resources Research, 2019, 55, 6886-6895.	4.2	18
54	Geometry of Geyser Plumbing Inferred From Ground Deformation. Journal of Geophysical Research: Solid Earth, 2019, 124, 1072-1083.	3.4	11

#	ARTICLE	IF	CITATIONS
55	Earthquake Hydrogeology. <i>Water Resources Research</i> , 2019, 55, 5212-5216.	4.2	29
56	Squeezing Marsquakes Out of Groundwater. <i>Geophysical Research Letters</i> , 2019, 46, 6333-6340.	4.0	9
57	Maximum Solid Phase Concentration in Geophysical Turbulent Gas-Particle Flows: Insights From Laboratory Experiments. <i>Geophysical Research Letters</i> , 2019, 46, 6388-6396.	4.0	12
58	Hydraulic properties of injection formations constrained by surface deformation. <i>Earth and Planetary Science Letters</i> , 2019, 515, 125-134.	4.4	30
59	Pore-pressure diffusion, enhanced by poroelastic stresses, controls induced seismicity in Oklahoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16228-16233.	7.1	93
60	A hybrid origin of the Martian crustal dichotomy: Degree-1 convection antipodal to a giant impact. <i>Earth and Planetary Science Letters</i> , 2018, 491, 58-66.	4.4	24
61	An alternative review of facts, coincidences and past and future studies of the Lusi eruption. <i>Marine and Petroleum Geology</i> , 2018, 95, 345-361.	3.3	14
62	Monitoring reservoir response to earthquakes and fluid extraction, Salton Sea geothermal field, California. <i>Science Advances</i> , 2018, 4, e1701536.	10.3	57
63	The largest deep-ocean silicic volcanic eruption of the past century. <i>Science Advances</i> , 2018, 4, e1701121.	10.3	80
64	The pumice raft-forming 2012 Havre submarine eruption was effusive. <i>Earth and Planetary Science Letters</i> , 2018, 489, 49-58.	4.4	45
65	Timing of oceans on Mars from shoreline deformation. <i>Nature</i> , 2018, 555, 643-646.	27.8	91
66	Transition of eruptive style: Pumice raft to dome-forming eruption at the Havre submarine volcano, southwest Pacific Ocean. <i>Geology</i> , 2018, 46, 1075-1078.	4.4	18
67	Microlite orientation in obsidian flow measured by synchrotron X-ray diffraction. <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 1.	3.1	5
68	Stronger Peak Ground Motion, Beyond the Threshold to Initiate a Response, Does Not Lead to Larger Stream Discharge Responses to Earthquakes. <i>Geophysical Research Letters</i> , 2018, 45, 6523-6531.	4.0	9
69	Subsurface Structure of Long Valley Caldera Imaged With Seismic Scattering and Intrinsic Attenuation. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 5987-5999.	3.4	12
70	Hydrological, Geochemical and Geophysical Changes Related to Earthquakes and Slow-Slip Events: Introduction. <i>Pure and Applied Geophysics</i> , 2018, 175, 2407-2409.	1.9	5
71	Hydrothermal discharge from the El Tatio basin, Atacama, Chile. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 361, 25-35.	2.1	32
72	Controls on explosive-effusive volcanic eruption styles. <i>Nature Communications</i> , 2018, 9, 2839.	12.8	262

#	ARTICLE	IF	CITATIONS
73	Experimental Measurement of the Solid Particle Concentration in Geophysical Turbulent Gasâ€Particle Mixtures. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 3747-3761.	3.4	18
74	Pyroclast cooling and saturation in water. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 362, 17-31.	2.1	17
75	Revisiting short-term earthquake triggered volcanism. <i>Bulletin of Volcanology</i> , 2018, 80, 1.	3.0	28
76	Enceladus Plume Dynamics. , 2018, , .		3
77	Working Together Toward Better Volcanic Forecasting. <i>Eos</i> , 2018, 99, .	0.1	0
78	Triggering of the largest Deccan eruptions by the Chicxulub impact: Reply. <i>Bulletin of the Geological Society of America</i> , 2017, 129, 256-256.	3.3	2
79	Formation of lenticulae on Europa by saucer-shaped sills. <i>Icarus</i> , 2017, 286, 261-269.	2.5	56
80	The Fascinating and Complex Dynamics of Geyser Eruptions. <i>Annual Review of Earth and Planetary Sciences</i> , 2017, 45, 31-59.	11.0	60
81	Induced Seismicity in Oklahoma Affects Shallow Groundwater. <i>Seismological Research Letters</i> , 2017, 88, 956-962.	1.9	17
82	Thermal effect of climate change on groundwaterâ€fed ecosystems. <i>Water Resources Research</i> , 2017, 53, 3341-3351.	4.2	38
83	Trapped bubbles keep pumice afloat and gas diffusion makes pumice sink. <i>Earth and Planetary Science Letters</i> , 2017, 460, 50-59.	4.4	29
84	Dynamic Triggering of Mud Volcano Eruptions During the 2016â€2017 Central Italy Seismic Sequence. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 9149-9165.	3.4	16
85	Volatiles and the tempo of flood basalt magmatism. <i>Earth and Planetary Science Letters</i> , 2017, 458, 130-140.	4.4	45
86	Submarine deposits from pumiceous pyroclastic density currents traveling over water: An outstanding example from offshore Montserrat (IODP 340). <i>Bulletin of the Geological Society of America</i> , 2017, 129, 392-414.	3.3	22
87	Regional changes in streamflow after a megathrust earthquake. <i>Earth and Planetary Science Letters</i> , 2017, 458, 418-428.	4.4	75
88	Evenly spaced columns in the Bishop Tuff (California, USA) as relicts of hydrothermal cooling. <i>Geology</i> , 2017, 45, 1015-1018.	4.4	12
89	Advancing Geoscience Research through CIDER. <i>GSA Today</i> , 2017, , 60-61.	2.0	0
90	Richard J. Oâ€™Connell (1941â€2015). <i>Eos</i> , 2017, , .	0.1	0

#	ARTICLE	IF	CITATIONS
91	Physical and hydraulic properties of modern sinter deposits: El Tatio, Atacama. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 325, 156-168.	2.1	22
92	Evaluating geothermal and hydrogeologic controls on regional groundwater temperature distribution. <i>Water Resources Research</i> , 2016, 52, 1328-1344.	4.2	20
93	The relationship between eruptive activity, flank collapse, and sea level at volcanic islands: A long-term (>1 Ma) record offshore Montserrat, Lesser Antilles. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2591-2611.	2.5	31
94	Primordial metallic melt in the deep mantle. <i>Geophysical Research Letters</i> , 2016, 43, 3693-3699.	4.0	35
95	Effect of filter media thickness on the performance of sand drying beds used for faecal sludge management. <i>Water Science and Technology</i> , 2016, 74, 2795-2806.	2.5	14
96	Long- and short-term triggering and modulation of mud volcano eruptions by earthquakes. <i>Tectonophysics</i> , 2016, 672-673, 190-211.	2.2	41
97	Surface uplift and time-dependent seismic hazard due to fluid injection in eastern Texas. <i>Science</i> , 2016, 353, 1416-1419.	12.6	127
98	Effect of particle entrainment on the runout of pyroclastic density currents. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 6445-6461.	3.4	15
99	Quantifying melt production and degassing rate at mid-ocean ridges from global mantle convection models with plate motion history. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2884-2904.	2.5	19
100	Ash production and dispersal from sustained low-intensity Mono-Inyo eruptions. <i>Bulletin of Volcanology</i> , 2016, 78, 1.	3.0	19
101	Increased stream discharge after the 3 September 2016 M w 5.8 Pawnee, Oklahoma earthquake. <i>Geophysical Research Letters</i> , 2016, 43, 11,588.	4.0	52
102	An experimental study of the role of subsurface plumbing on geothermal discharge. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 3691-3716.	2.5	17
103	The eruptibility of magmas at Tharsis and Syrtis Major on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 944-964.	3.6	24
104	Large earthquakes create vertical permeability by breaching aquitards. <i>Water Resources Research</i> , 2016, 52, 5923-5937.	4.2	75
105	MeMoVolc report on classification and dynamics of volcanic explosive eruptions. <i>Bulletin of Volcanology</i> , 2016, 78, 1.	3.0	31
106	Geometry and spatial distribution of lenticulae on Europa. <i>Icarus</i> , 2016, 271, 49-56.	2.5	15
107	VOLATILES AND THE ERUPTIBILITY OF FLOOD BASALT MAGMAS. , 2016, , .		1
108	Geyser eruption intervals and interactions: Examples from El Tatio, Atacama, Chile. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 7490-7507.	3.4	30

#	ARTICLE	IF	CITATIONS
109	Ascent velocity and dynamics of the Fiumicino mud eruption, Rome, Italy. <i>Geophysical Research Letters</i> , 2015, 42, 6244-6252.	4.0	7
110	Submarine record of volcanic island construction and collapse in the <sc>L</sc>esser <sc>A</sc>ntilles arc: First scientific drilling of submarine volcanic island landslides by <sc>IODP</sc> <sc>E</sc>xpedition 340. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 420-442.	2.5	57
111	Organic matter maturation in the contact aureole of an igneous sill as a tracer of hydrothermal convection. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 4102-4112.	3.4	20
112	Influence of seismicity on the Lusi mud eruption. <i>Geophysical Research Letters</i> , 2015, 42, 7436-7443.	4.0	6
113	Deep and shallow sources for the Lusi mud eruption revealed by surface deformation. <i>Geophysical Research Letters</i> , 2015, 42, 5274-5281.	4.0	24
114	Permeability and pressure measurements in Lesser Antilles submarine slides: Evidence for pressure-driven slow-slip failure. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 7986-8011.	3.4	16
115	The Syrtis Major volcano, Mars: A multidisciplinary approach to interpreting its magmatic evolution and structural development. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 1476-1496.	3.6	16
116	Earthquake Hydrology. , 2015, , 305-328.		53
117	Bubble mobility in mud and magmatic volcanoes. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 294, 11-24.	2.1	24
118	Campanian Ignimbrite volcanism, climate, and the final decline of the Neanderthals. <i>Geology</i> , 2015, 43, 411-414.	4.4	30
119	Ascent and emplacement dynamics of obsidian lavas inferred from microlite textures. <i>Bulletin of Volcanology</i> , 2015, 77, 1.	3.0	27
120	Dynamics within geyser conduits, and sensitivity to environmental perturbations: Insights from a periodic geyser in the El Tatio geyser field, Atacama Desert, Chile. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 292, 41-55.	2.1	39
121	Shaking water out of soil. <i>Geology</i> , 2015, 43, 207-210.	4.4	36
122	Initiation of the Lusi mudflow disaster. <i>Nature Geoscience</i> , 2015, 8, 493-494.	12.9	32
123	Triggering of the largest Deccan eruptions by the Chicxulub impact. <i>Bulletin of the Geological Society of America</i> , 2015, 127, 1507-1520.	3.3	149
124	New streams and springs after the 2014 Mw6.0 South Napa earthquake. <i>Nature Communications</i> , 2015, 6, 7597.	12.8	65
125	Rapid onset of mafic magmatism facilitated by volcanic edifice collapse. <i>Geophysical Research Letters</i> , 2015, 42, 4778-4785.	4.0	24
126	Mechanism of co-seismic water level change following four great earthquakes – insights from co-seismic responses throughout the Chinese mainland. <i>Earth and Planetary Science Letters</i> , 2015, 430, 66-74.	4.4	90



#	ARTICLE	IF	CITATIONS
127	Continental-scale water-level response to a large earthquake. <i>Geofluids</i> , 2015, 15, 310-320.	0.7	42
128	Double ridges on Europa accommodate some of the missing surface contraction. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 395-403.	3.6	12
129	Domes, pits, and small chaos on Europa produced by water sills. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 550-573.	3.6	62
130	Near-surface permeability in a supraglacial drainage basin on the Llewellyn Glacier, Juneau Icefield, British Columbia. <i>Cryosphere</i> , 2014, 8, 537-546.	3.9	20
131	Penetration of spherical projectiles into wet granular media. <i>Physical Review E</i> , 2014, 90, 032208.	2.1	13
132	Pre-eruptive storage conditions and eruption dynamics of a small rhyolite dome: Douglas Knob, Yellowstone volcanic field, USA. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	3.0	22
133	Thermal and rheological controls on the formation of mafic enclaves or banded pumice. <i>Contributions To Mineralogy and Petrology</i> , 2014, 167, 1.	3.1	26
134	Triggering and modulation of geyser eruptions in Yellowstone National Park by earthquakes, earth tides, and weather. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 1718-1737.	3.4	59
135	How Did Early Earth Become Our Modern World?. <i>Annual Review of Earth and Planetary Sciences</i> , 2014, 42, 151-178.	11.0	82
136	Hydrogeochemical precursors. <i>Nature Geoscience</i> , 2014, 7, 697-698.	12.9	60
137	Geyser preplay and eruption in a laboratory model with a bubble trap. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 285, 129-135.	2.1	32
138	Comparison of hydrological responses to the Wenchuan and Lushan earthquakes. <i>Earth and Planetary Science Letters</i> , 2014, 391, 193-200.	4.4	50
139	The role of magmatically driven lithospheric thickening on arc front migration. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2655-2675.	2.5	65
140	El Cobreloa: A geyser with two distinct eruption styles. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 6229-6248.	3.4	20
141	Late Pleistocene stratigraphy of IODP Site U1396 and compiled chronology offshore of south and south west Montserrat, Lesser Antilles. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3000-3020.	2.5	23
142	The ability of rock physics models to infer marine in situ pore pressure. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4769-4780.	2.5	6
143	Eruptions at Lone Star geyser, Yellowstone National Park, USA: 2. Constraints on subsurface dynamics. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 8688-8707.	3.4	44
144	Geomechanical Characterization of Submarine Volcano-Flank Sediments, Martinique, Lesser Antilles Arc. <i>Advances in Natural and Technological Hazards Research</i> , 2014, , 73-81.	1.1	11

#	ARTICLE	IF	CITATIONS
145	Earthquakes and Water. , 2014, , 1-38.		13
146	Measuring pressure in the source region for geysers, Geyser Valley, Kamchatka. Journal of Volcanology and Geothermal Research, 2013, 264, 12-16.	2.1	12
147	Meander formation in supraglacial streams. Journal of Geophysical Research F: Earth Surface, 2013, 118, 1897-1907.	2.8	64
148	Seasonal melting and the formation of sedimentary rocks on Mars, with predictions for the Gale Crater mound. Icarus, 2013, 223, 181-210.	2.5	95
149	Wind driven capillary-gravity waves on Titan's lakes: Hard to detect or non-existent?. Icarus, 2013, 225, 403-412.	2.5	42
150	Effects of thermal quenching on mechanical properties of pyroclasts. Journal of Volcanology and Geothermal Research, 2013, 258, 24-30.	2.1	11
151	Evolution and future of the Lusi mud eruption inferred from ground deformation. Geophysical Research Letters, 2013, 40, 1089-1092.	4.0	32
152	Convection in a volcanic conduit recorded by bubbles. Geology, 2013, 41, 395-398.	4.4	27
153	Demagnetization by basin-forming impacts on early Mars: Contributions from shock, heat, and excavation. Journal of Geophysical Research E: Planets, 2013, 118, 1045-1062.	3.6	14
154	Basin-scale transport of heat and fluid induced by earthquakes. Geophysical Research Letters, 2013, 40, 3893-3897.	4.0	41
155	Time history of the Martian dynamo from crater magnetic field analysis. Journal of Geophysical Research E: Planets, 2013, 118, 1488-1511.	3.6	86
156	Eruptions at Lone Star Geyser, Yellowstone National Park, USA: 1. Energetics and eruption dynamics. Journal of Geophysical Research: Solid Earth, 2013, 118, 4048-4062.	3.4	49
157	Dynamics of magma ascent in the volcanic conduit. , 2013, , 55-84.		76
158	Groundwater Hydrology of the Upper Deschutes Basin and Its Influence on Streamflow. Water Science and Application, 2013, , 31-49.	0.3	8
159	Granular disruption during explosive volcanic eruptions. Nature Geoscience, 2012, 5, 561-564.	12.9	73
160	Caldera size modulated by the yield stress within a crystal-rich magma reservoir. Nature Geoscience, 2012, 5, 402-405.	12.9	47
161	Hydrological effects of the <i>M<sub>W</sub>7.1</i> Darfield (Canterbury) earthquake, 4 September 2010, New Zealand. New Zealand Journal of Geology, and Geophysics, 2012, 55, 231-247.	1.8	74
162	Transient change in groundwater temperature after earthquakes. Geology, 2012, 40, 119-122.	4.4	54

#	ARTICLE	IF	CITATIONS
163	Frequency dependence of mud volcano response to earthquakes. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	33
164	Mechanics of Old Faithful Geyser, Calistoga, California. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	21
165	The effects of outgassing on the transition between effusive and explosive silicic eruptions. <i>Earth and Planetary Science Letters</i> , 2012, 349-350, 161-170.	4.4	87
166	Wet surface and dense atmosphere on early Mars suggested by the bomb sag at Home Plate, Mars. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	44
167	Heat flow in the Lesser Antilles island arc and adjacent back arc Grenada basin. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	80
168	Externally triggered renewed bubble nucleation in basaltic magma: The 12 October 2008 eruption at Halema'ūmau Overlook vent, Kālauea, Hawai'i, USA. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	39
169	Effects of anisotropic viscosity and texture development on convection in ice mantles. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	3
170	Changes in permeability caused by transient stresses: Field observations, experiments, and mechanisms. <i>Reviews of Geophysics</i> , 2012, 50, .	23.0	340
171	The viscous-brittle transition of crystal-bearing silicic melt: Direct observation of magma rupture and healing. <i>Geology</i> , 2012, 40, 611-614.	4.4	113
172	Large historical eruptions at subaerial mud volcanoes, Italy. <i>Natural Hazards and Earth System Sciences</i> , 2012, 12, 3377-3386.	3.6	39
173	Bubble geobarometry: A record of pressure changes, degassing, and regassing at Mono Craters, California. <i>Geology</i> , 2012, 40, 699-702.	4.4	39
174	Shell tectonics: A mechanical model for strike-slip displacement on Europa. <i>Icarus</i> , 2012, 218, 297-307.	2.5	29
175	Experimental study of turbulence, sedimentation, and coignimbrite mass partitioning in dilute pyroclastic density currents. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 225-226, 30-44.	2.1	72
176	Localized precipitation and runoff on Mars. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	31
177	Chaos terrain, storms, and past climate on Mars. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	13
178	Cryoclastic origin of particles on the surface of Enceladus. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	16
179	CLIMATE INSTABILITY ON TIDALLY LOCKED EXOPLANETS. <i>Astrophysical Journal</i> , 2011, 743, 41.	4.5	69
180	A prediction of the longevity of the Lusi mud eruption, Indonesia. <i>Earth and Planetary Science Letters</i> , 2011, 308, 124-130.	4.4	42

#	ARTICLE	IF	CITATIONS
181	A permeability-change model for water-level changes triggered by teleseismic waves. <i>Geofluids</i> , 2011, 11, 302-308.	0.7	43
182	Rounding of pumice clasts during transport: field measurements and laboratory studies. <i>Bulletin of Volcanology</i> , 2011, 73, 321-333.	3.0	78
183	Fluid transport properties and estimation of overpressure at the Lusi mud volcano, East Java Basin (Tanikawa et al., 2010). <i>Engineering Geology</i> , 2011, 121, 97-99.	6.3	6
184	Strike-slip fault patterns on Europa: Obliquity or polar wander?. <i>Icarus</i> , 2011, 211, 636-647.	2.5	16
185	Effects of topography on pyroclastic density current runout and formation of coignimbrites. <i>Geology</i> , 2011, 39, 1099-1102.	4.4	64
186	THERMODYNAMIC LIMITS ON MAGNETODYNAMOS IN ROCKY EXOPLANETS. <i>Astrophysical Journal</i> , 2010, 718, 596-609.	4.5	77
187	Constraints on Europa's rotational dynamics from modeling of tidally-driven fractures. <i>Icarus</i> , 2010, 210, 770-784.	2.5	41
188	Magma chamber stability in arc and continental crust. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 190, 249-270.	2.1	91
189	Heat transfer coefficients of natural volcanic clasts. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 194, 214-219.	2.1	19
190	A lattice Boltzmann model for coupled diffusion. <i>Journal of Computational Physics</i> , 2010, 229, 7956-7976.	3.8	40
191	Hydrologic responses to earthquakes and a general metric. <i>Geofluids</i> , 2010, 10, 206-216.	0.7	110
192	Two Competing Effects of Volatiles on Heat Transfer in Crystal-rich Magmas: Thermal Insulation vs Defrosting. <i>Journal of Petrology</i> , 2010, 51, 847-867.	2.8	88
193	How strong are lunar crustal magnetic fields at the surface?: Considerations from a reexamination of the electron reflectometry technique. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	25
194	Study of impact demagnetization at Mars using Monte Carlo modeling and multiple altitude data. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	44
195	Mud volcano response to the 4 April 2010 El Mayor-Cucapah earthquake. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	58
196	Mars without the equilibrium rotational figure, Tharsis, and the remnant rotational figure. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	24
197	Sawolo et al. (2009) the Lusi mud volcano controversy: Was it caused by drilling?. <i>Marine and Petroleum Geology</i> , 2010, 27, 1651-1657.	3.3	27
198	Low-viscosity mantle blobs are sampled preferentially at regions of surface divergence and stirred rapidly into the mantle. <i>Physics of the Earth and Planetary Interiors</i> , 2010, 180, 104-107.	1.9	8

#	ARTICLE	IF	CITATIONS
199	Groundwater Level Change. Lecture Notes in Earth Sciences, 2010, , 67-95.	0.5	5
200	Geysers. Lecture Notes in Earth Sciences, 2010, , 117-123.	0.5	3
201	Earthquakes Influenced by Water. Lecture Notes in Earth Sciences, 2010, , 125-139.	0.5	8
202	Increased Stream Discharge. Lecture Notes in Earth Sciences, 2010, , 45-66.	0.5	1
203	Mud Volcanoes. Lecture Notes in Earth Sciences, 2010, , 33-43.	0.5	0
204	Liquefaction. Lecture Notes in Earth Sciences, 2010, , 7-31.	0.5	0
205	Demagnetization of crust by magmatic intrusion near the Arsia Mons volcano: Magnetic and thermal implications for the development of the Tharsis province, Mars. Journal of Volcanology and Geothermal Research, 2009, 185, 123-138.	2.1	51
206	Diffusion-controlled spherulite growth in obsidian inferred from H <sub>2</sub> O concentration profiles. Contributions To Mineralogy and Petrology, 2009, 157, 163-172.	3.1	61
207	Response of Alum Rock springs to the October 30, 2007 Alum Rock earthquake and implications for the origin of increased discharge after earthquakes. Geofluids, 2009, 9, 237-250.	0.7	77
208	Spring temperatures in the Sagehen Basin, Sierra Nevada, CA: implications for heat flow and groundwater circulation. Geofluids, 2009, 9, 195-207.	0.7	14
209	Fracture penetration in planetary ice shells. Icarus, 2009, 199, 536-541.	2.5	41
210	Steady shape of a miscible bubble rising below an inclined wall at low Reynolds numbers. European Journal of Mechanics, B/Fluids, 2009, 28, 405-410.	2.5	4
211	True Polar Wander driven by late-stage volcanism and the distribution of paleopolar deposits on Mars. Earth and Planetary Science Letters, 2009, 280, 254-267.	4.4	24
212	Earthquake triggering of mud volcanoes. Marine and Petroleum Geology, 2009, 26, 1785-1798.	3.3	149
213	Changes in permeability caused by dynamic stresses in fractured sandstone. Geophysical Research Letters, 2009, 36, .	4.0	75
214	Organization of volcanic plumbing through magmatic lensing by magma chambers and volcanic loads. Journal of Geophysical Research, 2009, 114, .	3.3	69
215	Homogenization processes in silicic magma chambers by stirring and mushification (latent heat) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.4	183
216	Transport capacity of pyroclastic density currents: Experiments and models of substrateâ€flow interaction. Journal of Geophysical Research, 2009, 114, .	3.3	53

#	ARTICLE	IF	CITATIONS
217	Giant impacts on early Mars and the cessation of the Martian dynamo. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	93
218	Earthquakes and Water. <i>Lecture Notes in Earth Sciences</i> , 2009, , .	0.5	69
219	GEODYNAMICS AND RATE OF VOLCANISM ON MASSIVE EARTH-LIKE PLANETS. <i>Astrophysical Journal</i> , 2009, 700, 1732-1749.	4.5	146
220	Equilibrium rotational stability and figure of Mars. <i>Icarus</i> , 2008, 194, 463-475.	2.5	22
221	An improved crustal magnetic field map of Mars from electron reflectometry: Highland volcano magmatic history and the end of the martian dynamo. <i>Icarus</i> , 2008, 194, 575-596.	2.5	106
222	Lattice Boltzmann model for melting with natural convection. <i>International Journal of Heat and Fluid Flow</i> , 2008, 29, 1469-1480.	2.4	237
223	The influence of poorly interconnected fault zone flow paths on spring geochemistry. <i>Geofluids</i> , 2008, 8, 93-101.	0.7	25
224	Transition between fragmentation and permeable outgassing of low viscosity magmas. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 169, 48-60.	2.1	139
225	In situ production of ash in pyroclastic flows. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	69
226	Suspension rheology under oscillatory shear and its geophysical implications. <i>Earth and Planetary Science Letters</i> , 2008, 269, 468-477.	4.4	67
227	The East Java mud volcano (2006 to present): An earthquake or drilling trigger?. <i>Earth and Planetary Science Letters</i> , 2008, 272, 627-638.	4.4	113
228	Rapid decrease in Martian crustal magnetization in the Noachian era: Implications for the dynamo and climate of early Mars. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	138
229	Formation of Box Canyon, Idaho, by Megaflood: Implications for Seepage Erosion on Earth and Mars. <i>Science</i> , 2008, 320, 1067-1070.	12.6	148
230	Earthquake Hydrology. , 2007, , 293-320.		58
231	The Fluid Mechanics Inside a Volcano. <i>Annual Review of Fluid Mechanics</i> , 2007, 39, 321-356.	25.0	422
232	Littoral blasts: Pumiceâ€water heat transfer and the conditions for steam explosions when pyroclastic flows enter the ocean. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	34
233	Did an earthquake trigger the May 2006 eruption of the Lusi Mud volcano?. <i>Eos</i> , 2007, 88, 201-201.	0.1	37
234	Pressurized oceans and the eruption of liquid water on Europa and Enceladus. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	130

#	ARTICLE	IF	CITATIONS
235	Thermal demagnetization of Martian upper crust by magma intrusion. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	28
236	Evidence for an ancient martian ocean in the topography of deformed shorelines. <i>Nature</i> , 2007, 447, 840-843.	27.8	179
237	An experimental facility for investigating hydromagmatic eruptions at high-pressure and high-temperature with application to the importance of magma porosity for magma-water interaction. <i>Bulletin of Volcanology</i> , 2007, 69, 365-372.	3.0	12
238	Earthquake Hydrology. , 2007, , 293-320.		33
239	Unusual magnetic signature of the Hadriaca Patera Volcano: Implications for early Mars. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	37
240	Influence of decompression rate on the expansion velocity and expansion style of bubbly fluids. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	38
241	Rotational stability of dynamic planets with elastic lithospheres. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	49
242	Long-period seismology on Europa: 1. Physically consistent interior models. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	23
243	Long-period seismology on Europa: 2. Predicted seismic response. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	30
244	Liquefaction Limit during Earthquakes and Underground Explosions: Implications on Ground-Motion Attenuation. <i>Bulletin of the Seismological Society of America</i> , 2006, 96, 355-363.	2.3	63
245	SEISMIC TRIGGERING OF ERUPTIONS IN THE FAR FIELD: Volcanoes and Geysers. <i>Annual Review of Earth and Planetary Sciences</i> , 2006, 34, 263-291.	11.0	401
246	Can freezing cause floods on Mars?. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	20
247	Martian landslides in Valles Marineris: Wet or dry?. <i>Icarus</i> , 2006, 180, 348-352.	2.5	34
248	Origins and implications of zigzag rift patterns on lava lakes. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 154, 317-324.	2.1	10
249	Floods on Mars released from groundwater by impact. <i>Icarus</i> , 2005, 175, 551-555.	2.5	38
250	Seismological constraints on a possible plume root at the core-mantle boundary. <i>Nature</i> , 2005, 435, 666-669.	27.8	156
251	Bubble suspension rheology and implications for conduit flow. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 143, 205-217.	2.1	214
252	Deformation of flow bands by bubbles and crystals. , 2005, , .		4

#	ARTICLE	IF	CITATIONS
253	Continental insulation, mantle cooling, and the surface area of oceans and continents. <i>Earth and Planetary Science Letters</i> , 2005, 234, 317-333.	4.4	130
254	Response of a bubble bearing viscoelastic fluid to rapid decompression: Implications for explosive volcanic eruptions. <i>Earth and Planetary Science Letters</i> , 2005, 236, 269-284.	4.4	54
255	Flow banding in obsidian: A record of evolving textural heterogeneity during magma deformation. <i>Earth and Planetary Science Letters</i> , 2005, 236, 135-147.	4.4	82
256	Nonequilibrium magma degassing: Results from modeling of the ca. 1340 A.D. eruption of Mono Craters, California. <i>Earth and Planetary Science Letters</i> , 2005, 238, 1-16.	4.4	73
257	Bubbly Flows. Edited by M. SOMMERFELD. Springer, 2004. 351 pp. ISBN 3 540 40791 X. EUR 99.95 or £77.00 or \$129.00. <i>Journal of Fluid Mechanics</i> , 2005, 523, 411-411.	3.4	0
258	Quantifying magmatic, crustal, and atmospheric helium contributions to volcanic aquifers using all stable noble gases: Implications for magmatism and groundwater flow. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	2.5	43
259	Vertical segregation in granular mass flows: A shear cell study. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	14
260	Vesiculation rates of obsidian domes inferred from H <sub>2</sub> O concentration profiles. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	46
261	A technique for measuring 3D crystal-size distributions of prismatic microlites in obsidian. <i>American Mineralogist</i> , 2004, 88, 1230-1240.	1.9	56
262	Multiple Instrument Distributed Aperture Sensor (MIDAS) for planetary remote sensing. , 2004, , .		2
263	VARIATION IN THE RELATIONSHIP BETWEEN SNOWMELT RUNOFF IN OREGON AND ENSO AND PDO. <i>Journal of the American Water Resources Association</i> , 2004, 40, 1011-1024.	2.4	58
264	The role of laboratory experiments in volcanology. <i>Journal of Volcanology and Geothermal Research</i> , 2004, 129, 1-5.	2.1	18
265	Martian floods at Cerberus Fossae can be produced by groundwater discharge. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	76
266	Tharsis as a consequence of Mars' dichotomy and layered mantle. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	41
267	Depth dependence of permeability in the Oregon Cascades inferred from hydrogeologic, thermal, seismic, and magmatic modeling constraints. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	161
268	LINKS BETWEEN LONG-LIVED HOT SPOTS, MANTLE PLUMES, AND PLATE TECTONICS. <i>Reviews of Geophysics</i> , 2004, 42, .	23.0	159
269	Interpreting the temperature of water at cold springs and the importance of gravitational potential energy. <i>Water Resources Research</i> , 2004, 40, .	4.2	41
270	Streamflow increase due to rupturing of hydrothermal reservoirs: Evidence from the 2003 San Simeon, California, Earthquake. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	54



#	ARTICLE	IF	CITATIONS
271	Did melting glaciers cause volcanic eruptions in eastern California? Probing the mechanics of dike formation. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	103
272	Formation of bands and ridges on Europa by cyclic deformation: Insights from analogue wax experiments. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	23
273	Granular mass flows and Coulomb's friction in shear cell experiments: Implications for geophysical flows. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	40
274	Modulation of mantle plumes and heat flow at the core mantle boundary by plate-scale flow: results from laboratory experiments. <i>Earth and Planetary Science Letters</i> , 2004, 226, 53-67.	4.4	45
275	Remote sensing space science enabled by the multiple instrument distributed aperture sensor (MIDAS) concept. , 2004, 5555, 301.		7
276	Coseismic release of water from mountains: Evidence from the 1999 (Mw = 7.5) Chi-Chi, Taiwan, earthquake. <i>Geology</i> , 2004, 32, 769.	4.4	145
277	Multiple instrument distributed aperture sensor (MIDAS) for remote sensing. , 2004, , .		3
278	Effects of Bubbles on the Hydraulic Conductivity of Porous Materials – Theoretical Results. <i>Transport in Porous Media</i> , 2003, 52, 51-65.	2.6	11
279	Determining flow type, shear rate and shear stress in magmas from bubble shapes and orientations. <i>Journal of Volcanology and Geothermal Research</i> , 2003, 122, 111-132.	2.1	128
280	Explosive volcanism may not be an inevitable consequence of magma fragmentation. <i>Nature</i> , 2003, 426, 432-435.	27.8	306
281	Response of streamflow to multiple earthquakes. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	114
282	A mechanism for sustained groundwater pressure changes induced by distant earthquakes. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	489
283	Pumice-pumice collisions and the effect of the impact angle. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	25
284	Seismicity induced by seasonal groundwater recharge at Mt. Hood, Oregon. <i>Earth and Planetary Science Letters</i> , 2003, 214, 605-618.	4.4	168
285	Field measurements of drag coefficients for model large woody debris. <i>Geomorphology</i> , 2003, 51, 175-185.	2.6	67
286	GEOLOGY: Deep Origin of Hotspots–the Mantle Plume Model. <i>Science</i> , 2003, 300, 920-921.	12.6	73
287	Streamflow and Water Well Responses to Earthquakes. <i>Science</i> , 2003, 300, 2047-2049.	12.6	264
288	Continuum percolation for randomly oriented soft-core prisms. <i>Physical Review E</i> , 2002, 65, 056131.	2.1	67

#	ARTICLE	IF	CITATIONS
289	Dynamics and longevity of an initially stratified mantle. <i>Geophysical Research Letters</i> , 2002, 29, 33-1-33-4.	4.0	55
290	Causes, characteristics and consequences of convective diapirism on Europa. <i>Geophysical Research Letters</i> , 2002, 29, 24-1-24-4.	4.0	62
291	Dynamics of obsidian flows inferred from microstructures: insights from microlite preferred orientations. <i>Earth and Planetary Science Letters</i> , 2002, 199, 211-226.	4.4	53
292	The influence of interior mantle temperature on the structure of plumes: Heads for Venus, Tails for the Earth. <i>Geophysical Research Letters</i> , 2002, 29, 27-1.	4.0	79
293	Bubble Shapes and Orientations in Low Re Simple Shear Flow. <i>Journal of Colloid and Interface Science</i> , 2002, 249, 476-480.	9.4	117
294	Effects of bubble deformation on the viscosity of dilute suspensions. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2002, 104, 53-63.	2.4	183
295	The influence of a chemical boundary layer on the fixity, spacing and lifetime of mantle plumes. <i>Nature</i> , 2002, 418, 760-763.	27.8	151
296	Boundary-layer thickness and instabilities in BÄ©nard convection of a liquid with a temperature-dependent viscosity. <i>Physics of Fluids</i> , 2001, 13, 802-805.	4.0	35
297	Using Springs to Study Groundwater Flow and Active Geologic Processes. <i>Annual Review of Earth and Planetary Sciences</i> , 2001, 29, 201-228.	11.0	93
298	Interaction of rising and sinking mantle plumes. <i>Geophysical Research Letters</i> , 2001, 28, 455-458.	4.0	31
299	Origin of postseismic streamflow changes inferred from baseflow recession and magnitude-distance relations. <i>Geophysical Research Letters</i> , 2001, 28, 2133-2136.	4.0	76
300	Numerical models of the onset of yield strength in crystalâ€melt suspensions. <i>Earth and Planetary Science Letters</i> , 2001, 187, 367-379.	4.4	177
301	Shaken, not stirred. <i>Nature</i> , 2001, 410, 1041-1043.	27.8	2
302	Viscosity of magmas containing highly deformable bubbles. <i>Journal of Volcanology and Geothermal Research</i> , 2001, 105, 19-24.	2.1	115
303	The yield strength of subliquidus basalts â€” experimental results. <i>Journal of Volcanology and Geothermal Research</i> , 2001, 107, 1-18.	2.1	95
304	The Motion of Long Bubbles in a Network of Tubes. , 2000, 40, 201-218.		37
305	The use of temperature and the isotopes of O, H, C, and noble gases to determine the pattern and spatial extent of groundwater flow. <i>Journal of Hydrology</i> , 2000, 237, 100-112.	5.4	74
306	Stress partitioning in streams by large woody debris. <i>Water Resources Research</i> , 2000, 36, 2373-2379.	4.2	127

#	ARTICLE	IF	CITATIONS
307	On the timescales characterizing groundwater discharge at springs. <i>Journal of Hydrology</i> , 1999, 219, 56-69.	5.4	101
308	Permeability-porosity relationship in vesicular basalts. <i>Geophysical Research Letters</i> , 1999, 26, 111-114.	4.0	266
309	CO <sub>2</sub> degassing in the Oregon Cascades. <i>Geology</i> , 1999, 27, 823.	4.4	47
310	Experimental study of non-Boussinesq Rayleigh-Bénard convection at high Rayleigh and Prandtl numbers. <i>Physics of Fluids</i> , 1999, 11, 2969-2976.	4.0	48
311	Orientation distribution of microlites in obsidian. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 86, 107-115.	2.1	48
312	Rheology of bubble-bearing magmas. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 87, 15-28.	2.1	211
313	Transitions in the style of mantle convection at high Rayleigh numbers. <i>Earth and Planetary Science Letters</i> , 1998, 160, 563-568.	4.4	22
314	Correction to "High Rayleigh number thermo-chemical models of a dense boundary layer in D <sub>2</sub> O". <i>Geophysical Research Letters</i> , 1998, 25, 3917-3917.	4.0	1
315	Non-equilibrium and unsteady fluid degassing during slow decompression. <i>Geophysical Research Letters</i> , 1998, 25, 4565-4568.	4.0	4
316	High Rayleigh number thermo-chemical models of a dense boundary layer in D <sub>2</sub> O. <i>Geophysical Research Letters</i> , 1998, 25, 2345-2348.	4.0	33
317	Advective heat transport by low-temperature discharge in the Oregon Cascades. <i>Geology</i> , 1998, 26, 799.	4.4	56
318	Temperature distribution in the laser-heated diamond cell. <i>Geophysical Monograph Series</i> , 1998, , 17-25.	0.1	8
319	A model for discharge in spring-dominated streams and implications for the transmissivity and recharge of quaternary volcanics in the Oregon Cascades. <i>Water Resources Research</i> , 1997, 33, 1813-1822.	4.2	57
320	Interactions between mantle diapirs. <i>Geophysical Research Letters</i> , 1997, 24, 1871-1874.	4.0	20
321	Comment on "Potential role played by viscous heating in thermal-chemical convection in the outer core" by U. Hansen and D. A. Yuen. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 665-667.	3.9	1
322	Thermal conductivity of corundum and periclase and implications for the lower mantle. <i>Journal of Geophysical Research</i> , 1997, 102, 2999-3008.	3.3	63
323	Integral Equation Methods for Viscous Flow Free-Boundary Problems: An Overview with Applications. , 1997, , 197-202.		0
324	Dynamics of drops in branched tubes. <i>Journal of Fluid Mechanics</i> , 1996, 315, 105-117.	3.4	36

#	ARTICLE	IF	CITATIONS
325	Neutrally buoyant diapirs: A model for Venus coronae. <i>Geophysical Research Letters</i> , 1996, 23, 225-228.	4.0	77
326	Hydrology of Spring-Dominated Streams in the Oregon Cascades. <i>Water Resources Research</i> , 1996, 32, 2435-2439.	4.2	58
327	Mixing of heterogeneities in the mantle: Effect of viscosity differences. <i>Geophysical Research Letters</i> , 1996, 23, 403-406.	4.0	120
328	Axial temperature gradients in dielectric samples in the laser-heated diamond cell. <i>Geophysical Research Letters</i> , 1996, 23, 1845-1848.	4.0	26
329	Implications of a metal-bearing chemical boundary layer in D <sup>3</sup> for mantle dynamics. <i>Geophysical Research Letters</i> , 1996, 23, 3091-3094.	4.0	94
330	Temperature distribution in the laser-heated diamond cell with external heating, and implications for the thermal conductivity of perovskite. <i>Geophysical Research Letters</i> , 1996, 23, 3775-3778.	4.0	14
331	Waves of bubbles in basaltic magmas and lavas. <i>Journal of Geophysical Research</i> , 1996, 101, 17457-17465.	3.3	63
332	Dynamics of drops in cavity flows: Aggregation of high viscosity ratio drops. <i>Physics of Fluids</i> , 1996, 8, 1732-1737.	4.0	9
333	The tectosphere and postglacial rebound. <i>Geophysical Research Letters</i> , 1995, 22, 1949-1952.	4.0	19
334	Collective hydrodynamics of deformable drops and bubbles in dilute low Reynolds number suspensions. <i>Journal of Fluid Mechanics</i> , 1995, 300, 231-263.	3.4	72
335	Low Reynolds number motion of bubbles, drops and rigid spheres through fluid-fluid interfaces. <i>Journal of Fluid Mechanics</i> , 1995, 287, 279-298.	3.4	83
336	Interactions between bubbles in magmas and lavas: effects of bubble deformation. <i>Journal of Volcanology and Geothermal Research</i> , 1994, 63, 267-279.	2.1	63
337	The interaction of plume heads with compositional discontinuities in the Earth's mantle. <i>Journal of Geophysical Research</i> , 1993, 98, 19979-19990.	3.3	38
338	Buoyancy-driven interactions between two deformable viscous drops. <i>Journal of Fluid Mechanics</i> , 1993, 256, 647-683.	3.4	126
339	Boundary Integral Methods for Viscous Free-Boundary Problems: Deformation of Single and Multiple Fluid-Fluid Interfaces. , 1992, , 19-39.		22
340	Remelting mechanisms for shallow source regions of mare basalts. <i>Physics of the Earth and Planetary Interiors</i> , 1991, 68, 9-31.	1.9	13
341	The Effects of Deformation on the Early Crystallization Kinetics of Basaltic Magmas. <i>Frontiers in Earth Science</i> , 0, 7, .	1.8	17
342	Synthesis: stratigraphy and age control for IODP Sites U1394, U1395, and U1396 offshore Montserrat in the Lesser Antilles. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	4