

Lionel Wilson

List of Publications by Year in descending order

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163
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4092
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#	ARTICLE	IF	CITATIONS
1	Planetary volcanism: Craters, lava flows, fissures, and insights into their formation from observations of the April–August 2018 eruption of K�lauea Volcano, Hawaii. , 2022, , 77-114.		1
2	Explosive volcanism: Observations and processes. , 2022, , 115-160.		1
3	Planetary volcanology: progress, problems, and opportunities. Bulletin of Volcanology, 2022, 84, 1.	3.0	3
4	Martian volcanism: Current state of knowledge and known unknowns. Chemie Der Erde, 2022, 82, 125886.	2.0	3
5	Young lunar mare basalts in the Chang'e-5 sample return region, northern Oceanus Procellarum. Earth and Planetary Science Letters, 2021, 555, 116702.	4.4	88
6	Ina Lunar Irregular Mare Patch Mission Concepts: Distinguishing between Ancient and Modern Volcanism Models. Planetary Science Journal, 2021, 2, 66.	3.6	5
7	Formation and dispersal of pyroclasts on the Moon: Indicators of lunar magma volatile contents. Journal of Volcanology and Geothermal Research, 2021, 413, 107217.	2.1	14
8	The Long Sinuous Rille System in Northern Oceanus Procellarum and Its Relation to the Chang'e Returned Samples. Geophysical Research Letters, 2021, 48, e2021GL092663.	4.0	22
9	Degassing of volcanic extrusives on Mercury: Potential contributions to transient atmospheres and buried polar deposits. Earth and Planetary Science Letters, 2021, 564, 116907.	4.4	6
10	The Lunar Mare Ring Moat Dome Structure (RMDS) Age Conundrum: Contemporaneous With Imbrian Aged Host Lava Flows or Emplaced in the Copernican?. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006880.	3.6	9
11	Mare Domes in Mare Tranquillitatis: Identification, Characterization, and Implications for Their Origin. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006888.	3.6	6
12	Magmatic intrusion-related processes in the upper lunar crust: The role of country rock porosity/permeability in magmatic percolation and thermal annealing, and implications for gravity signatures. Planetary and Space Science, 2020, 180, 104765.	1.7	6
13	Rethinking Lunar Mare Basalt Regolith Formation: New Concepts of Lava Flow Protolith and Evolution of Regolith Thickness and Internal Structure. Geophysical Research Letters, 2020, 47, e2020GL088334.	4.0	31
14	Volcanically Induced Transient Atmospheres on the Moon: Assessment of Duration, Significance, and Contributions to Polar Volatile Traps. Geophysical Research Letters, 2020, 47, e2020GL089509.	4.0	25
15	Experimental evidence for lava-like mud flows under Martian surface conditions. Nature Geoscience, 2020, 13, 403-407.	12.9	29
16	Lunar Irregular Mare Patches: Classification, Characteristics, Geologic Settings, Updated Catalog, Origin, and Outstanding Questions. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006362.	3.6	18
17	The Cauchy 5 Small, Low Volume Lunar Shield Volcano: Evidence for Volatile Exsolution Eruption Patterns and Type 1/Type 2 Hybrid Irregular Mare Patch Formation. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006171.	3.6	11
18	Ring Moat Dome Structures (RMDSs) in the Lunar Maria: Statistical, Compositional, and Morphological Characterization and Assessment of Theories of Origin. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE005967.	3.6	13

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19	GRAIL-identified gravity anomalies in Oceanus Procellarum: Insight into subsurface impact and magmatic structures on the Moon. <i>Icarus</i> , 2019, 331, 192-208.	2.5	20
20	Geological Characterization of the Ina Shield Volcano Summit Pit Crater on the Moon: Evidence for Extrusion of Waning-Stage Lava Lake Magmatic Foams and Anomalously Young Crater Retention Ages. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1100-1140.	3.6	21
21	A theoretical model for the formation of Ring Moat Dome Structures: Products of second boiling in lunar basaltic lava flows. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 374, 160-180.	2.1	15
22	Glaciovolcanism in the Tharsis volcanic province of Mars: Implications for regional geology and hydrology. <i>Planetary and Space Science</i> , 2019, 169, 45-69.	1.7	13
23	Assessing the formation of valley networks on a cold early Mars: Predictions for erosion rates and channel morphology. <i>Icarus</i> , 2019, 321, 216-231.	2.5	8
24	Lunar floor-fractured craters: Modes of dike and sill emplacement and implications of gas production and intrusion cooling on surface morphology and structure. <i>Icarus</i> , 2018, 305, 105-122.	2.5	29
25	Formation of outflow channels on Mars: Testing the origin of Reull Vallis in Hesperia Planum by large-scale lava-ice interactions and top-down melting. <i>Icarus</i> , 2018, 305, 56-79.	2.5	12
26	Large-scale lava-ice interactions on Mars: Investigating its role during Late Amazonian Central Elysium Planitia volcanism and the formation of Athabasca Valles. <i>Planetary and Space Science</i> , 2018, 158, 96-109.	1.7	17
27	Discovery of a Powerful, Transient, Explosive Thermal Event at Marduk Fluctus, Io, in <i>Galileo</i> NIMS Data. <i>Geophysical Research Letters</i> , 2018, 45, 2926-2933.	4.0	13
28	The role of substrate characteristics in producing anomalously young crater retention ages in volcanic deposits on the Moon: Morphology, topography, subresolution roughness, and mode of emplacement of the Sosigenes lunar irregular mare patch. <i>Meteoritics and Planetary Science</i> , 2018, 53, 778-812.	1.6	30
29	Explosive volcanism on Mercury: Analysis of vent and deposit morphology and modes of eruption. <i>Icarus</i> , 2018, 302, 191-212.	2.5	40
30	Controls on Lunar Basaltic Volcanic Eruption Structure and Morphology: Gas Release Patterns in Sequential Eruption Phases. <i>Geophysical Research Letters</i> , 2018, 45, 5852-5859.	4.0	44
31	Lunar Floor-Fractured Craters Provide Evidence For Ancient Magmatic Intrusions. , 2018, , .		0
32	Generation, ascent and eruption of magma on the Moon: New insights into source depths, magma supply, intrusions and effusive/explosive eruptions (Part 1: Theory). <i>Icarus</i> , 2017, 283, 146-175.	2.5	124
33	Generation, ascent and eruption of magma on the Moon: New insights into source depths, magma supply, intrusions and effusive/explosive eruptions (Part 2: Predicted emplacement processes and) <i>Tj ETQq1 1 0.784314 rgBT 1.47 overlo</i>	4.3	140
34	Observational constraints on the identification of shallow lunar magmatism: Insights from floor-fractured craters. <i>Icarus</i> , 2017, 283, 224-231.	2.5	23
35	Eruption of magmatic foams on the Moon: Formation in the waning stages of dike emplacement events as an explanation of "irregular mare patches". <i>Journal of Volcanology and Geothermal Research</i> , 2017, 335, 113-127.	2.1	49
36	Arguments for the Non-existence of Magma Oceans in Asteroids. , 2017, , 159-179.		5

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37	Ina pit crater on the Moon: Extrusion of waning-stage lava lake magmatic foam results in extremely young crater retention ages. <i>Geology</i> , 2017, 45, 455-458.	4.4	44
38	Model for the origin, ascent, and eruption of lunar picritic magmas. <i>American Mineralogist</i> , 2017, 102, 2045-2053.	1.9	29
39	Newly Discovered Ring-Moat Dome Structures in the Lunar Maria: Possible Origins and Implications. <i>Geophysical Research Letters</i> , 2017, 44, 9216-9224.	4.0	18
40	Model for the Origin, Ascent, and Eruption of Lunar Picritic Magmas. <i>American Mineralogist</i> , 2017, , .	1.9	1
41	Possible sub-glacial eruptions in the Galaxias Quadrangle, Mars. <i>Icarus</i> , 2016, 267, 68-85.	2.5	9
42	Lava heating and loading of ice sheets on early Mars: Predictions for meltwater generation, groundwater recharge, and resulting landforms. <i>Icarus</i> , 2016, 271, 237-264.	2.5	20
43	Sources of water for the outflow channels on Mars: Implications of the Late Noachian "icy highlands" model for melting and groundwater recharge on the Tharsis rise. <i>Planetary and Space Science</i> , 2015, 108, 54-65.	1.7	26
44	A pyroclastic flow deposit on Venus. <i>Geological Society Special Publication</i> , 2015, 401, 97-106.	1.3	20
45	Volcanism on Mercury. , 2015, , 701-716.		2
46	Firn densification in a Late Noachian "icy highlands" Mars: Implications for ice sheet evolution and thermal response. <i>Icarus</i> , 2015, 253, 243-255.	2.5	25
47	Origin and history of ureilitic material in the solar system: The view from asteroid 2008 TC ₃ and the Almahata Sitta meteorite. <i>Meteoritics and Planetary Science</i> , 2015, 50, 782-809.	1.6	92
48	Lunar floor-fractured craters as magmatic intrusions: Geometry, modes of emplacement, associated tectonic and volcanic features, and implications for gravity anomalies. <i>Icarus</i> , 2015, 248, 424-447.	2.5	71
49	Planetary Volcanism. , 2014, , 101-119.		1
50	Dynamics of a fluid flow on Mars: Lava or mud?. <i>Icarus</i> , 2014, 233, 268-280.	2.5	26
51	Volcano-ice interactions in the Arsia Mons tropical mountain glacier deposits. <i>Icarus</i> , 2014, 237, 315-339.	2.5	40
52	The effect of atmospheric pressure on the dispersal of pyroclasts from martian volcanoes. <i>Icarus</i> , 2013, 223, 149-156.	2.5	21
53	Geology and petrology of enormous volumes of impact melt on the Moon: A case study of the Orientale basin impact melt sea. <i>Icarus</i> , 2013, 223, 749-765.	2.5	114
54	Comment on "Parent body depth-pressure-temperature relationships and the style of the ureilite anatisis" by P. H. Warren (MAPS 47:209-227). <i>Meteoritics and Planetary Science</i> , 2013, 48, 1096-1106.	1.6	14

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55	Magnetic signature of the lunar South Pole–Aitken basin: Character, origin, and age. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	46
56	Origin of lunar sinuous rilles: Modeling effects of gravity, surface slope, and lava composition on erosion rates during the formation of Rima Prinz. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	58
57	Origin of small pits in martian impact craters. <i>Icarus</i> , 2012, 221, 262-275.	2.5	51
58	Volcanic activity on differentiated asteroids: A review and analysis. <i>Chemie Der Erde</i> , 2012, 72, 289-321.	2.0	58
59	The dispersal of pyroclasts from ancient explosive volcanoes on Mars: Implications for the friable layered deposits. <i>Icarus</i> , 2012, 219, 358-381.	2.5	82
60	A composite Fe,Ni–FeS and enstatite–forsterite–diopside–glass vitrophyre clast in the Larkman Nunatak 04316 aubrite: Origin by pyroclastic volcanism. <i>Meteoritics and Planetary Science</i> , 2011, 46, 1719-1741.	1.6	17
61	The global distribution of pyroclastic deposits on Mercury: The view from MESSENGER flybys 1–3. <i>Planetary and Space Science</i> , 2011, 59, 1895-1909.	1.7	105
62	An igneous origin for Rima Hyginus and Hyginus crater on the Moon. <i>Icarus</i> , 2011, 215, 584-595.	2.5	31
63	The dispersal of pyroclasts from Apollinaris Patera, Mars: Implications for the origin of the Medusae Fossae Formation. <i>Icarus</i> , 2011, 216, 212-220.	2.5	134
64	The geothermal gradient of Io: Consequences for lithosphere structure and volcanic eruptive activity. <i>Icarus</i> , 2011, 211, 623-635.	2.5	23
65	The initial responses of hot liquid water released under low atmospheric pressures: Experimental insights. <i>Icarus</i> , 2010, 210, 488-506.	2.5	13
66	Pyroclast loss or retention during explosive volcanism on asteroids: Influence of asteroid size and gas content of melt. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1284-1301.	1.6	17
67	Dynamics of the ascent and eruption of water containing dissolved CO ₂ on Mars. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	16
68	Fissure eruptions in Tharsis, Mars: Implications for eruption conditions and magma sources. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 185, 28-46.	2.1	36
69	Volcanic history, geologic analysis and map of the Prometheus Patera region on Io. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 187, 93-105.	2.1	14
70	Volcanism in the Solar System. <i>Nature Geoscience</i> , 2009, 2, 389-397.	12.9	49
71	Explosive volcanic eruptions on Mercury: Eruption conditions, magma volatile content, and implications for interior volatile abundances. <i>Earth and Planetary Science Letters</i> , 2009, 285, 263-271.	4.4	128
72	Thermal evolution and physics of melt extraction on the ureilite parent body. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 6154-6176.	3.9	70

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73	Volcanism on Mercury: A new model for the history of magma ascent and eruption. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	34
74	Heat transfer in volcano-ice interactions on Earth. <i>Annals of Glaciology</i> , 2007, 45, 83-86.	1.4	37
75	Heat transfer in volcano-ice interactions on Mars: synthesis of environments and implications for processes and landforms. <i>Annals of Glaciology</i> , 2007, 45, 1-13.	1.4	54
76	Formation of Mangala Valles outflow channel, Mars: Morphological development and water discharge and duration estimates. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	38
77	Fractional melting and smelting on the ureilite parent body. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 2876-2895.	3.9	100
78	Formation of Mangala Fossa, the source of the Mangala Valles, Mars: Morphological development as a result of volcano-cryosphere interactions. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	15
79	An integrated model of kimberlite ascent and eruption. <i>Nature</i> , 2007, 447, 53-57.	27.8	149
80	Wilson & Head reply. <i>Nature</i> , 2007, 450, E22-E22.	27.8	8
81	Explosive volcanic eruptions on Mars: Tephra and accretionary lapilli formation, dispersal and recognition in the geologic record. <i>Journal of Volcanology and Geothermal Research</i> , 2007, 163, 83-97.	2.1	81
82	Vent geometry and eruption conditions of the mixed rhyolite-basalt mshraun lava flow, Iceland. <i>Journal of Volcanology and Geothermal Research</i> , 2007, 164, 127-141.	2.1	6
83	Formation of Aromatum Chaos, Mars: Morphological development as a result of volcano-ice interactions. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	36
84	Formation of Ravi Vallis outflow channel, Mars: Morphological development, water discharge, and duration estimates. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	32
85	The Huygens-Hellas giant dike system on Mars: Implications for Late Noachian-Early Hesperian volcanic resurfacing and climatic evolution. <i>Geology</i> , 2006, 34, 285.	4.4	68
86	The heartbeat of the volcano: The discovery of episodic activity at Prometheus on Io. <i>Icarus</i> , 2006, 184, 460-477.	2.5	29
87	Meteoritic and other constraints on the internal structure and impact history of small asteroids. <i>Icarus</i> , 2005, 174, 46-53.	2.5	15
88	MANGALA VALLES, MARS: ASSESSMENT OF EARLY STAGES OF FLOODING AND DOWNSTREAM FLOOD EVOLUTION. <i>Earth, Moon and Planets</i> , 2005, 96, 1-57.	0.6	38
89	Cooling process recorded in subglacially erupted rhyolite glasses: Rapid quenching, thermal buffering, and the formation of meltwater. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	9
90	Evidence for a massive phreatomagmatic eruption in the initial stages of formation of the Mangala Valles outflow channel, Mars. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	52

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91	Mars outflow channels: A reappraisal of the estimation of water flow velocities from water depths, regional slopes, and channel floor properties. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	102
92	Volumetric characteristics of lava flows from interferometric radar and multispectral satellite data: the 1995 Fernandina and 1998 Cerro Azul eruptions in the western Gal�ı�pagos. <i>Bulletin of Volcanology</i> , 2003, 65, 311-330.	3.0	62
93	Deep submarine pyroclastic eruptions: theory and predicted landforms and deposits. <i>Journal of Volcanology and Geothermal Research</i> , 2003, 121, 155-193.	2.1	182
94	Phreato-magmatic dike-cryosphere interactions as the origin of small ridges north of Olympus Mons, Mars. <i>Icarus</i> , 2003, 165, 242-252.	2.5	19
95	Deep generation of magmatic gas on the Moon and implications for pyroclastic eruptions. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	40
96	Did the Alba Patera and Syria Planum regions of Mars lose their lithospheric roots in convective overturn events?. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	9
97	Lunar Gruithuisen and Mairan domes: Rheology and mode of emplacement. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	79
98	Phreatomagmatic explosive origin of Hrad Vallis, Mars. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	47
99	Volcanism on the Marius Hills plateau: Observational analyses using Clementine multispectral data. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	37
100	Generation of recent massive water floods at Cerberus Fossae, Mars by dike emplacement, cryospheric cracking, and confined aquifer groundwater release. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	143
101	Heat transfer and melting in subglacial basaltic volcanic eruptions: implications for volcanic deposit morphology and meltwater volumes. <i>Geological Society Special Publication</i> , 2002, 202, 5-26.	1.3	40
102	Mars: a review and synthesis of general environments and geological settings of magma-H ₂ O interactions. <i>Geological Society Special Publication</i> , 2002, 202, 27-57.	1.3	39
103	A model for large-scale volcanic plumes on Io: Implications for eruption rates and interactions between magmas and near-surface volatiles. <i>Journal of Geophysical Research</i> , 2002, 107, 19-1-19-12.	3.3	16
104	Tharsis-radial graben systems as the surface manifestation of plume-related dike intrusion complexes: Models and implications. <i>Journal of Geophysical Research</i> , 2002, 107, 1-1.	3.3	205
105	The transport and eruption of magma from volcanoes: A review. <i>Contemporary Physics</i> , 2002, 43, 197-210.	1.8	18
106	Emplacement of giant radial dikes in the northern Tharsis region of Mars. <i>Journal of Geophysical Research</i> , 2002, 107, 3-1.	3.3	57
107	Plinian eruptions and passive collapse events as mechanisms of formation for Martian pit chain craters. <i>Journal of Geophysical Research</i> , 2002, 107, 4-1.	3.3	32
108	Dark ring in southwestern Orientale Basin: Origin as a single pyroclastic eruption. <i>Journal of Geophysical Research</i> , 2002, 107, 1-1.	3.3	44

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109	Evidence for episodicity in the magma supply to the large Tharsis volcanoes. <i>Journal of Geophysical Research</i> , 2001, 106, 1423-1433.	3.3	81
110	Lava fountains from the 1999 Tvashtar Catena fissure eruption on Io: Implications for dike emplacement mechanisms, eruption rates, and crustal structure. <i>Journal of Geophysical Research</i> , 2001, 106, 32997-33004.	3.3	37
111	Density structure of Io and the migration of magma through its lithosphere. <i>Journal of Geophysical Research</i> , 2001, 106, 32983-32995.	3.3	28
112	Estimation of volcanic eruption conditions for a large flank event on Elysium Mons, Mars. <i>Journal of Geophysical Research</i> , 2001, 106, 20621-20628.	3.3	27
113	The role of regolith redistribution in influencing the evolution of the shapes of asteroids. <i>Meteoritics and Planetary Science</i> , 2001, 36, 817-829.	1.6	2
114	Cooling rates of hyaloclastites: applications of relaxation geospeedometry to undersea volcanic deposits. <i>Bulletin of Volcanology</i> , 2000, 61, 527-536.	3.0	47
115	Moon and Mercury. , 2000, , 143-178.		6
116	A Plinian treatment of fallout from Hawaiian lava fountains. <i>Journal of Volcanology and Geothermal Research</i> , 1999, 88, 67-75.	2.1	44
117	The internal structures and densities of asteroids. <i>Meteoritics and Planetary Science</i> , 1999, 34, 479-483.	1.6	43
118	Evidence for a sill emplacement event on the upper flanks of the Ascræus Mons shield volcano, Mars. <i>Journal of Geophysical Research</i> , 1999, 104, 27079-27089.	3.3	22
119	Io writes its history in hot metal. <i>Nature</i> , 1998, 394, 520-521.	27.8	1
120	Eruption of lava flows on Europa: Theory and application to Thrace Macula. <i>Journal of Geophysical Research</i> , 1997, 102, 9263-9272.	3.3	40
121	The fate of pyroclasts produced in explosive eruptions on the asteroid 4 Vesta. <i>Meteoritics and Planetary Science</i> , 1997, 32, 813-823.	1.6	38
122	Clast sizes of ejecta from explosive eruptions on asteroids: implications for the fate of the basaltic products of differentiation. <i>Earth and Planetary Science Letters</i> , 1996, 140, 191-200.	4.4	20
123	Mid-ocean ridge eruptive vent morphology and substructure: Evidence for dike widths, eruption rates, and evolution of eruptions and axial volcanic ridges. <i>Journal of Geophysical Research</i> , 1996, 101, 28265-28280.	3.3	102
124	Volcanic eruptions and intrusions on the asteroid 4 Vesta. <i>Journal of Geophysical Research</i> , 1996, 101, 18927-18940.	3.3	43
125	Numerical Modeling of Ejecta Dispersal from Transient Volcanic Explosions on Mars. <i>Icarus</i> , 1996, 123, 284-295.	2.5	33
126	Explosive volcanic eruptions-IX. The transition between Hawaiian-style lava fountaining and Strombolian explosive activity. <i>Geophysical Journal International</i> , 1995, 121, 226-232.	2.4	218

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127	Giant radiating dyke swarms on Earth and Venus. <i>Earth-Science Reviews</i> , 1995, 39, 1-58.	9.1	346
128	Explosive volcanism on Venus: Transient volcanic explosions as a mechanism for localized pyroclast dispersal. <i>Journal of Geophysical Research</i> , 1995, 100, 26327.	3.3	19
129	The 1983â€“86 Pu'u â€“Oâ€™o eruption of Kilauea Volcano, Hawaii: a study of dike geometry and eruption mechanisms for a long-lived eruption. <i>Journal of Volcanology and Geothermal Research</i> , 1994, 59, 179-205.	2.1	53
130	Mars: Review and analysis of volcanic eruption theory and relationships to observed landforms. <i>Reviews of Geophysics</i> , 1994, 32, 221.	23.0	313
131	Factors controlling the lengths of channel-fed lava flows. <i>Bulletin of Volcanology</i> , 1994, 56, 108-120.	3.0	211
132	Factors controlling the lengths of channel-fed lava flows. <i>Bulletin of Volcanology</i> , 1994, 56, 108-120.	3.0	21
133	Lunar graben formation due to near-surface deformation accompanying dike emplacement. <i>Planetary and Space Science</i> , 1993, 41, 719-727.	1.7	103
134	The formation of perched lava ponds on basaltic volcanoes: the influence of flow geometry on cooling-limited lava flow lengths. <i>Journal of Volcanology and Geothermal Research</i> , 1993, 56, 113-123.	2.1	40
135	Explosive volcanism and the compositions of cores of differentiated asteroids. <i>Earth and Planetary Science Letters</i> , 1993, 117, 111-124.	4.4	50
136	High-temperature mass spectrometric degassing of enstatite chondrites: Implications for pyroclastic volcanism on the aubrite parent body. <i>Geochimica Et Cosmochimica Acta</i> , 1992, 56, 4267-4280.	3.9	46
137	Lunar mare volcanism: Stratigraphy, eruption conditions, and the evolution of secondary crusts. <i>Geochimica Et Cosmochimica Acta</i> , 1992, 56, 2155-2175.	3.9	399
138	The relationship between the height of a volcano and the depth to its magma source zone: A critical reexamination. <i>Geophysical Research Letters</i> , 1992, 19, 1395-1398.	4.0	22
139	Magma reservoirs and neutral buoyancy zones on Venus: Implications for the formation and evolution of volcanic landforms. <i>Journal of Geophysical Research</i> , 1992, 97, 3877-3903.	3.3	119
140	Steepâ€™sided domes on Venus: Characteristics, geologic setting, and eruption conditions from Magellan data. <i>Journal of Geophysical Research</i> , 1992, 97, 13445-13478.	3.3	113
141	Consequences of explosive eruptions on small Solar System bodies: the case of the missing basalts on the aubrite parent body. <i>Earth and Planetary Science Letters</i> , 1991, 104, 505-512.	4.4	93
142	Absence of large shield volcanoes and calderas on the Moon: Consequence of magma transport phenomena?. <i>Geophysical Research Letters</i> , 1991, 18, 2121-2124.	4.0	55
143	Analysis of active volcanoes from the earth observing system. <i>Remote Sensing of Environment</i> , 1991, 36, 1-12.	11.0	40
144	Clast sizes in terrestrial and Martian ignimbrite lag deposits. <i>Journal of Geophysical Research</i> , 1990, 95, 17309-17314.	3.3	19

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145	Dynamics of a confined lava flow on Kilauea volcano, Hawaii. Bulletin of Volcanology, 1989, 51, 415-432.	3.0	49
146	Remote sensing of volcanos and volcanic terrains. Eos, 1989, 70, 1567.	0.1	22
147	Basaltic pyroclastic eruptions: Influence of gas-release patterns and volume fluxes on fountain structure, and the formation of cinder cones, spatter cones, rootless flows, lava ponds and lava flows. Journal of Volcanology and Geothermal Research, 1989, 37, 261-271.	2.1	190
148	"Nature of local magma storage zones and geometry of conduit systems below basaltic eruption sites: Pu'u 'O 'o, Kilauea East Rift, Hawaii, Example"". Journal of Geophysical Research, 1988, 93, 14785-14792.	3.3	61
149	Lava fountain heights at Pu'u 'O'o, Kilauea, Hawaii: Indicators of amount and variations of exsolved magma volatiles. Journal of Geophysical Research, 1987, 92, 13715-13719.	3.3	91
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