

# Jaupart Claude

## List of Publications by Year in descending order

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169  
papers

13,338  
citations

20817

60  
h-index

24258

110  
g-index

178  
all docs

178  
docs citations

178  
times ranked

6516  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic tremor reveals active trans-crustal magmatic system beneath Kamchatka volcanoes. <i>Science Advances</i> , 2022, 8, eabj1571.	10.3	13
2	Interactive simulation of plume and pyroclastic volcanic ejections. <i>Proceedings of the ACM on Computer Graphics and Interactive Techniques</i> , 2022, 5, 1-15.	1.6	0
3	Lithosphere, Continental: Thermal Structure. <i>Encyclopedia of Earth Sciences Series</i> , 2021, , 872-884.	0.1	1
4	Radiogenic Heat Production in the Continental Crust. <i>Encyclopedia of Earth Sciences Series</i> , 2021, , 1298-1303.	0.1	0
5	Energy Budget of the Earth. <i>Encyclopedia of Earth Sciences Series</i> , 2021, , 361-368.	0.1	1
6	Episodicity and Migration of Low Frequency Earthquakes Modeled With Fast Fluid Pressure Transients in the Permeable Subduction Interface. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021894.	3.4	13
7	Heat flow constraints on the mafic character of Archean continental crust. <i>Earth and Planetary Science Letters</i> , 2021, 571, 117091.	4.4	12
8	Energy Budget of the Earth. <i>Encyclopedia of Earth Sciences Series</i> , 2020, , 1-9.	0.1	0
9	Radiogenic Heat Production in the Continental Crust. <i>Encyclopedia of Earth Sciences Series</i> , 2020, , 1-7.	0.1	0
10	Convection in an internally heated stratified heterogeneous reservoir. <i>Journal of Fluid Mechanics</i> , 2019, 870, 67-105.	3.4	13
11	Geochemical evidence for high volatile fluxes from the mantle at the end of the Archaean. <i>Nature</i> , 2019, 575, 485-488.	27.8	20
12	The Formation of Continental Crust from a Physics Perspective. <i>Geochemistry International</i> , 2018, 56, 1289-1321.	0.7	0
13	Low-Frequency Earthquakes and Pore Pressure Transients in Subduction Zones. <i>Geophysical Research Letters</i> , 2018, 45, 11,083.	4.0	29
14	Fundamentals of laminar free convection in internally heated fluids at values of the Rayleigh-Roberts number up to. <i>Journal of Fluid Mechanics</i> , 2018, 846, 966-998.	3.4	14
15	Postemplacement dynamics of basaltic intrusions in the continental crust. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 966-987.	3.4	11
16	Breathing of the Nevado del Ruiz volcano reservoir, Colombia, inferred from repeated seismic tomography. <i>Scientific Reports</i> , 2017, 7, 46094.	3.3	49
17	The Sudbury Huronian heat flow anomaly, Ontario, Canada. <i>Precambrian Research</i> , 2017, 295, 187-202.	2.7	2
18	The Earth's mantle in a microwave oven: thermal convection driven by a heterogeneous distribution of heat sources. <i>Experiments in Fluids</i> , 2017, 58, 1.	2.4	7

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19	The fate of mafic and ultramafic intrusions in the continental crust. <i>Earth and Planetary Science Letters</i> , 2016, 453, 131-140.	4.4	13
20	Radiogenic heat production in the continental crust. <i>Lithos</i> , 2016, 262, 398-427.	1.4	102
21	The feeder system of the Toba supervolcano from the slab to the shallow reservoir. <i>Nature Communications</i> , 2016, 7, 12228.	12.8	47
22	Microwave-heating laboratory experiments for planetary mantle convection. <i>Journal of Fluid Mechanics</i> , 2015, 777, 50-67.	3.4	19
23	Microwave-based, internally-heated convection: New perspectives for the heterogeneous case. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	1
24	Heat Flow and Thermal Structure of the Lithosphere. , 2015, , 217-253.		32
25	Temperatures, Heat, and Energy in the Mantle of the Earth. , 2015, , 223-270.		79
26	Post-orogenic thermal evolution of newborn Archean continents. <i>Earth and Planetary Science Letters</i> , 2015, 432, 36-45.	4.4	16
27	The building and stabilization of an Archean Craton in the Superior Province, Canada, from a heat flow perspective. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 9130-9155.	3.4	38
28	Constraints on Crustal Heat Production from Heat Flow Data. , 2014, , 53-73.		25
29	The impact of a volcanic edifice on intrusive and eruptive activity. <i>Earth and Planetary Science Letters</i> , 2014, 408, 1-8.	4.4	59
30	Generation of continental rifts, basins, and swells by lithosphere instabilities. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 3080-3100.	3.4	34
31	Radiogenic heat production, thermal regime and evolution of continental crust. <i>Tectonophysics</i> , 2013, 609, 524-534.	2.2	125
32	Microwave-based laboratory experiments for internally-heated mantle convection. <i>AIP Conference Proceedings</i> , 2013, , .	0.4	10
33	The instability of continental passive margins and its effect on continental topography and heat flow. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 1817-1836.	3.4	16
34	Geoneutrinos and the energy budget of the Earth. <i>Journal of Geodynamics</i> , 2012, 54, 43-54.	1.6	27
35	A lithospheric instability origin for the Cameroon Volcanic Line. <i>Earth and Planetary Science Letters</i> , 2012, 335-336, 80-87.	4.4	66
36	The initiation of subduction by crustal extension at a continental margin. <i>Geophysical Journal International</i> , 2012, 188, 779-797.	2.4	14

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37	The next-generation liquid-scintillator neutrino observatory LENA. <i>Astroparticle Physics</i> , 2012, 35, 685-732.	4.3	181
38	Temperature and rheological properties of the mantle beneath the North American craton from an analysis of heat flux and seismic data. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	22
39	Rise of volcanic plumes to the stratosphere aided by penetrative convection above large lava flows. <i>Earth and Planetary Science Letters</i> , 2011, 301, 171-178.	4.4	36
40	Magma expansion and fragmentation in a propagating dyke. <i>Earth and Planetary Science Letters</i> , 2011, 301, 146-152.	4.4	24
41	Folding in regions of extension. <i>Geophysical Journal International</i> , 2011, 185, 1120-1134.	2.4	10
42	Two models for the formation of magma reservoirs by small increments. <i>Tectonophysics</i> , 2011, 500, 34-49.	2.2	28
43	Conditions for the arrest of a vertical propagating dyke. <i>Bulletin of Volcanology</i> , 2011, 73, 191-204.	3.0	89
44	On the relationship between cycles of eruptive activity and growth of a volcanic edifice. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 194, 150-164.	2.1	35
45	Low heat flux and large variations of lithospheric thickness in the Canadian Shield. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	36
46	The chemical composition of the Earth: Enstatite chondrite models. <i>Earth and Planetary Science Letters</i> , 2010, 293, 259-268.	4.4	363
47	Thermal regime of the lithosphere in the Canadian Shield This article is one of a series of papers published in this Special Issue on the theme "Lithosphere parameters, processes, and the evolution of a continent". <i>Canadian Journal of Earth Sciences</i> , 2010, 47, 389-408.	1.3	20
48	Thermal evolution of cratonic roots. <i>Lithos</i> , 2009, 109, 47-60.	1.4	78
49	Dynamics of magma flow near the vent: Implications for dome eruptions. <i>Earth and Planetary Science Letters</i> , 2009, 279, 185-196.	4.4	24
50	Enhanced crustal geo-neutrino production near the Sudbury Neutrino Observatory, Ontario, Canada. <i>Earth and Planetary Science Letters</i> , 2009, 288, 301-308.	4.4	22
51	Dike propagation through layered rocks. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	69
52	Magma degassing and intermittent lava dome growth. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	37
53	Secular cooling and thermal structure of continental lithosphere. <i>Earth and Planetary Science Letters</i> , 2007, 257, 83-96.	4.4	38
54	Thermal evolution of the Earth: Secular changes and fluctuations of plate characteristics. <i>Earth and Planetary Science Letters</i> , 2007, 260, 465-481.	4.4	174

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55	Temperatures, Heat and Energy in the Mantle of the Earth. , 2007, , 253-303.		77
56	Transient geotherms in Archean continental lithosphere: New constraints on thickness and heat production of the subcontinental lithospheric mantle. Journal of Geophysical Research, 2007, 112, .	3.3	51
57	Instability of a chemically dense layer heated from below and overlain by a deep less viscous fluid. Journal of Fluid Mechanics, 2007, 572, 433-469.	3.4	35
58	Heat Flow and Thermal Structure of the Lithosphere. , 2007, , 217-251.		27
59	Heat Flow and Thermal Structure of the Lithosphere. , 2007, , 217-251.		72
60	Temperatures, Heat and Energy in the Mantle of the Earth. , 2007, , 253-303.		86
61	Crustal heat production in the Superior Province, Canadian Shield, and in North America inferred from heat flow data. Journal of Geophysical Research, 2006, 111, .	3.3	63
62	Upper mantle velocity-temperature conversion and composition determined from seismic refraction and heat flow. Journal of Geophysical Research, 2006, 111, .	3.3	29
63	Archean thermal regime and stabilization of the cratons. Geophysical Monograph Series, 2006, , 61-73.	0.1	17
64	Variations of strength and localized deformation in cratons: The 1.9ÂGa Kapuskasing uplift, Superior Province, Canada. Earth and Planetary Science Letters, 2006, 249, 216-228.	4.4	20
65	Ultra-rapid formation of large volumes of evolved magma. Earth and Planetary Science Letters, 2006, 250, 38-52.	4.4	47
66	Some consequences of volcanic edifice destruction for eruption conditions. Journal of Volcanology and Geothermal Research, 2005, 145, 68-80.	2.1	59
67	Heat flow, thermal regime, and elastic thickness of the lithosphere in the Trans-Hudson Orogen. Canadian Journal of Earth Sciences, 2005, 42, 517-532.	1.3	25
68	Caldera formation by magma withdrawal from a reservoir beneath a volcanic edifice. Earth and Planetary Science Letters, 2005, 230, 273-287.	4.4	34
69	Penetration of mantle plumes through depleted lithosphere. Journal of Geophysical Research, 2005, 110, .	3.3	24
70	Lithospheric structure of the Canadian Shield inferred from inversion of surface-wave dispersion with thermodynamic a priori constraints. Geological Society Special Publication, 2004, 239, 175-194.	1.3	25
71	Likelihood of basaltic eruptions as a function of volatile content and volcanic edifice size. Journal of Volcanology and Geothermal Research, 2004, 137, 201-217.	2.1	23
72	Variations of surface heat flow and lithospheric thermal structure beneath the North American craton. Earth and Planetary Science Letters, 2004, 223, 65-65.	4.4	1

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73	Heat flow and deep lithospheric thermal structure at Lac de Gras, Slave Province, Canada. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	31
74	Heat flow in the Nipigon arm of the Keweenaw rift, northwestern Ontario, Canada. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	15
75	Marginal stability of thick continental lithosphere. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	15
76	Nonequilibrium temperatures and cooling rates in thick continental lithosphere. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	20
77	Variations of surface heat flow and lithospheric thermal structure beneath the North American craton. <i>Earth and Planetary Science Letters</i> , 2004, 223, 65-77.	4.4	152
78	Magma storage and horizontal dyke injection beneath a volcanic edifice. <i>Earth and Planetary Science Letters</i> , 2004, 221, 245-262.	4.4	143
79	Laminar starting plumes in high-Prandtl-number fluids. <i>Journal of Fluid Mechanics</i> , 2003, 478, 287-298.	3.4	76
80	Magma chamber behavior beneath a volcanic edifice. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	100
81	Ascent and emplacement of buoyant magma bodies in brittle-ductile upper crust. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	122
82	Heat flow in the western Superior Province of the Canadian shield. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	20
83	Temperatures at the base of the Laurentide Ice Sheet inferred from borehole temperature data. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	27
84	Constraints on Crustal Heat Production from Heat Flow Data. , 2003, , 65-84.		59
85	Surface heat flow, crustal temperatures and mantle heat flow in the Proterozoic Trans-Hudson Orogen, Canadian Shield. <i>Journal of Geophysical Research</i> , 2002, 107, ETG 7-1-ETG 7-19.	3.3	53
86	Simultaneous inversion of gravity and heat flow data: constraints on thermal regime, rheology and evolution of the Canadian Shield crust. <i>Journal of Geodynamics</i> , 2002, 34, 11-30.	1.6	13
87	The distributions of slip rate and ductile deformation in a strike-slip shear zone. <i>Geophysical Journal International</i> , 2002, 148, 179-192.	2.4	11
88	Marginal stability of atmospheric eruption columns and pyroclastic flow generation. <i>Journal of Geophysical Research</i> , 2001, 106, 21785-21798.	3.3	34
89	Ascent and decompression of viscous vesicular magma in a volcanic conduit. <i>Journal of Geophysical Research</i> , 2001, 106, 16223-16240.	3.3	32
90	What the mantle sees: The Effects of continents on mantle heat flow. <i>Geophysical Monograph Series</i> , 2000, , 95-112.	0.1	7

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91	Heat flow and deep thermal structure near the southeastern edge of the Canadian Shield. Canadian Journal of Earth Sciences, 2000, 37, 399-414.	1.3	84
92	Lithosphere structure beneath the Phanerozoic intracratonic basins of North America. Earth and Planetary Science Letters, 2000, 178, 139-149.	4.4	63
93	The effect of edifice load on magma ascent beneath a volcano. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2000, 358, 1515-1532.	3.4	160
94	Low mantle heat flow at the edge of the North American Continent, Voisey Bay, Labrador. Geophysical Research Letters, 2000, 27, 823-826.	4.0	45
95	The thermal structure and thickness of continental roots. Lithos, 1999, 48, 93-114.	1.4	286
96	The generation of gas overpressure in volcanic eruptions. Earth and Planetary Science Letters, 1999, 166, 57-70.	4.4	71
97	On causal links between flood basalts and continental breakup. Earth and Planetary Science Letters, 1999, 166, 177-195.	4.4	659
98	Heat flow in the Trans-Hudson Orogen of the Canadian Shield: Implications for Proterozoic continental growth. Journal of Geophysical Research, 1999, 104, 29007-29024.	3.3	47
99	The thermal structure and thickness of continental roots. Developments in Geotectonics, 1999, , 93-114.	0.3	13
100	Constraints on cooling rates and permeabilities of pumice in an explosive eruption jet from colour and magnetic mineralogy. Journal of Volcanology and Geothermal Research, 1998, 86, 79-91.	2.1	56
101	Large-scale crustal heterogeneities and lithospheric strength in cratons. Earth and Planetary Science Letters, 1998, 164, 205-219.	4.4	59
102	Dike propagation through an elastic plate. Journal of Geophysical Research, 1998, 103, 18295-18314.	3.3	35
103	Heat flow and thickness of the lithosphere in the Canadian Shield. Journal of Geophysical Research, 1998, 103, 15269-15286.	3.3	167
104	The size distribution of pyroclasts and the fragmentation sequence in explosive volcanic eruptions. Journal of Geophysical Research, 1998, 103, 29759-29779.	3.3	143
105	Gas loss from magmas through conduit walls during eruption. Geological Society Special Publication, 1998, 145, 73-90.	1.3	70
106	Expansion and quenching of vesicular magma fragments in Plinian eruptions. Journal of Geophysical Research, 1997, 102, 12187-12203.	3.3	56
107	Lava flow shapes and dimensions as reflections of magma system conditions. Journal of Volcanology and Geothermal Research, 1997, 78, 31-50.	2.1	30
108	Physical models of volcanic eruptions. Chemical Geology, 1996, 128, 217-227.	3.3	55

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109	High heat flow in the trans-Hudson Orogen, Central Canadian Shield. <i>Geophysical Research Letters</i> , 1996, 23, 3027-3030.	4.0	32
110	The production of chemically stratified and adcumulate plutonic igneous rocks. <i>Mineralogical Magazine</i> , 1996, 60, 99-114.	1.4	57
111	Degassing during magma ascent in the Mule Creek vent (USA). <i>Bulletin of Volcanology</i> , 1996, 58, 117-130.	3.0	169
112	Fragmentation of magma during Plinian volcanic eruptions. <i>Bulletin of Volcanology</i> , 1996, 58, 144-162.	3.0	193
113	Simple fluid dynamic models of volcanic rift zones. <i>Earth and Planetary Science Letters</i> , 1995, 136, 223-240.	4.4	30
114	Heat flow variations in the Grenville Province, Canada. <i>Earth and Planetary Science Letters</i> , 1995, 136, 447-460.	4.4	45
115	Dynamics of differentiation in magma reservoirs. <i>Journal of Geophysical Research</i> , 1995, 100, 17615-17636.	3.3	113
116	On the effect of continents on mantle convection. <i>Journal of Geophysical Research</i> , 1995, 100, 24217-24238.	3.3	115
117	Chapter 11a. PHYSICAL ASPECTS OF MAGMA DEGASSING I. Experimental and theoretical constraints on vesiculation. , 1994, , 413-446.		44
118	Influence of cooling on lava-flow dynamics: Comment and Reply. <i>Geology</i> , 1994, 22, 93.	4.4	8
119	Reply [to "Comment on "Compositional convection in a reactive crystalline mush and melt differentiation" by Stephen Tait and Claude Jaupart"]. <i>Journal of Geophysical Research</i> , 1994, 99, 11919-11921.	3.3	0
120	On the vesicularity of pumice. <i>Journal of Geophysical Research</i> , 1994, 99, 15633.	3.3	126
121	Onset of thermal convection in fluids with temperature-dependent viscosity: Application to the oceanic mantle. <i>Journal of Geophysical Research</i> , 1994, 99, 19853-19866.	3.3	207
122	Heat flow, gravity and structure of the Abitibi belt, Superior Province, Canada: Implications for mantle heat flow. <i>Earth and Planetary Science Letters</i> , 1994, 122, 103-123.	4.4	68
123	On the variations of flow rate in non-explosive lava eruptions. <i>Earth and Planetary Science Letters</i> , 1993, 114, 505-516.	4.4	87
124	Thermal convection in lava lakes. <i>Geophysical Research Letters</i> , 1993, 20, 1827-1830.	4.0	62
125	Transient high-Rayleigh-number thermal convection with large viscosity variations. <i>Journal of Fluid Mechanics</i> , 1993, 253, 141.	3.4	336
126	Influence of cooling on lava-flow dynamics. <i>Geology</i> , 1993, 21, 335.	4.4	70



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127	Compositional convection in a reactive crystalline mush and melt differentiation. <i>Journal of Geophysical Research</i> , 1992, 97, 6735-6756.	3.3	220
128	Steady-state operation of Stromboli volcano, Italy: constraints on the feeding system. <i>Bulletin of Volcanology</i> , 1992, 54, 535-541.	3.0	75
129	The planform of compositional convection and chimney formation in a mushy layer. <i>Nature</i> , 1992, 359, 406-408.	27.8	86
130	New Experiments on Compositional Convection. , 1992, , 155-158.		1
131	Convection and Macrosegregation in Magma Chambers. , 1992, , 241-260.		2
132	Gas content, eruption rate and instabilities of eruption regime in silicic volcanoes. <i>Earth and Planetary Science Letters</i> , 1991, 102, 413-429.	4.4	398
133	Heat flow and structure of the lithosphere in the Eastern Canadian Shield. <i>Journal of Geophysical Research</i> , 1991, 96, 19941-19963.	3.3	147
134	Effects of compressibility on the flow of lava. <i>Bulletin of Volcanology</i> , 1991, 54, 1-9.	3.0	14
135	CHAPTER 8. DYNAMICS OF ERUPTIVE PHENOMENA. , 1990, , 213-238.		13
136	CHAPTER 5. PHYSICAL PROCESSES IN THE EVOLUTION OF MAGMAS. , 1990, , 125-152.		4
137	Dynamics of degassing at Kilauea Volcano, Hawaii. <i>Journal of Geophysical Research</i> , 1990, 95, 2793-2809.	3.3	149
138	Compositional convection in viscous melts. <i>Nature</i> , 1989, 338, 571-574.	27.8	87
139	The generation and collapse of a foam layer at the roof of a basaltic magma chamber. <i>Journal of Fluid Mechanics</i> , 1989, 203, 347-380.	3.4	269
140	Pressure, gas content and eruption periodicity of a shallow, crystallising magma chamber. <i>Earth and Planetary Science Letters</i> , 1989, 92, 107-123.	4.4	435
141	New heat flow density and radiogenic heat production data in the Canadian Shield and the Quebec Appalachians. <i>Canadian Journal of Earth Sciences</i> , 1989, 26, 845-852.	1.3	48
142	Laboratory models of Hawaiian and Strombolian eruptions. <i>Nature</i> , 1988, 331, 58-60.	27.8	292
143	The flow of gas and lava: A review of dynamic models for volcanic eruptions. <i>Chemical Geology</i> , 1988, 70, 38.	3.3	1
144	Thermal control on post-orogenic extension in collision belts. <i>Earth and Planetary Science Letters</i> , 1988, 89, 48-62.	4.4	103

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145	The vertical distribution of radiogenic heat production in the Precambrian crust of Norway and Sweden: Geothermal implications. <i>Geophysical Research Letters</i> , 1987, 14, 260-263.	4.0	100
146	A thermal model for the distribution in space and time of the Himalayan granites. <i>Earth and Planetary Science Letters</i> , 1987, 84, 87-99.	4.4	62
147	The kinetics of nucleation and crystal growth and scaling laws for magmatic crystallization. <i>Contributions To Mineralogy and Petrology</i> , 1987, 96, 24-34.	3.1	95
148	Towards Scaling Laws for the Interpretation of Igneous Structures. , 1987, , 327-347.		2
149	Characteristic Dimensions and Times for Dynamic Crystallization. , 1987, , 613-639.		7
150	The stagnant bottom layer of convecting magma chambers. <i>Earth and Planetary Science Letters</i> , 1986, 80, 183-199.	4.4	85
151	On the interaction between convection and crystallization in cooling magma chambers. <i>Earth and Planetary Science Letters</i> , 1986, 77, 345-361.	4.4	165
152	Separated two-phase flow and basaltic eruptions. <i>Journal of Geophysical Research</i> , 1986, 91, 12842-12860.	3.3	211
153	On the thermal structure of the southern Tibetan crust. <i>Geophysical Journal International</i> , 1985, 81, 131-155.	2.4	44
154	Continental tectonics and continental kinetics. <i>Earth and Planetary Science Letters</i> , 1985, 74, 171-186.	4.4	33
155	Heat focussing, granite genesis and inverted metamorphic gradients in continental collision zones. <i>Earth and Planetary Science Letters</i> , 1985, 73, 385-397.	4.4	106
156	Convective instabilities in a variable viscosity fluid cooled from above. <i>Physics of the Earth and Planetary Interiors</i> , 1985, 39, 14-32.	1.9	66
157	High heat flow in southern Tibet. <i>Nature</i> , 1984, 307, 32-36.	27.8	155
158	Stagnant layers at the bottom of convecting magma chambers. <i>Nature</i> , 1984, 308, 535-538.	27.8	44
159	Nucleation, crystal growth and the thermal regime of cooling magmas. <i>Journal of Geophysical Research</i> , 1984, 89, 10161-10177.	3.3	118
160	Horizontal heat transfer due to radioactivity contrasts: causes and consequences of the linear heat flow relation. <i>Geophysical Journal International</i> , 1983, 75, 411-435.	2.4	70
161	The effects of alteration and the interpretation of heat flow and radioactivity data—a reply to R.U.M. Rao. <i>Earth and Planetary Science Letters</i> , 1983, 62, 430-438.	4.4	7
162	A detailed study of the distribution of heat flow and radioactivity in New Hampshire (U.S.A.). <i>Earth and Planetary Science Letters</i> , 1982, 59, 267-287.	4.4	59

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163	Eruption at Le Piton de la Fournaise volcano on 3 February 1981. <i>Nature</i> , 1982, 297, 395-397.	27.8	31
164	Heat flow studies: Constraints on the distribution of uranium, thorium and potassium in the continental crust. <i>Earth and Planetary Science Letters</i> , 1981, 52, 328-344.	4.4	87
165	Oceans and continents: Similarities and differences in the mechanisms of heat loss. <i>Journal of Geophysical Research</i> , 1981, 86, 11535-11552.	3.3	349
166	Oscillatory zoning: a pathological case of crystal growth. <i>Nature</i> , 1981, 294, 223-228.	27.8	232
167	The heat flow through oceanic and continental crust and the heat loss of the Earth. <i>Reviews of Geophysics</i> , 1980, 18, 269-311.	23.0	1,078
168	Measuring Heat Flux and Structure Functions of Temperature Fluctuations with an Acoustic Doppler Sodar. <i>Journal of Applied Meteorology</i> , 1980, 19, 199-205.	1.1	80
169	The impact of vent geometry on the growth of lava domes. <i>Geophysical Journal International</i> , 0, , .	2.4	5