

Jaupart Claude

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164
papers

11,470
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58
h-index

103
g-index

178
ext. papers

12,359
ext. citations

7.1
avg, IF

6.26
L-index

#	Paper	IF	Citations
164	The heat flow through oceanic and continental crust and the heat loss of the Earth. <i>Reviews of Geophysics</i> , 1980 , 18, 269	23.1	918
163	On causal links between flood basalts and continental breakup. <i>Earth and Planetary Science Letters</i> , 1999 , 166, 177-195	5.3	564
162	Pressure, gas content and eruption periodicity of a shallow, crystallising magma chamber. <i>Earth and Planetary Science Letters</i> , 1989 , 92, 107-123	5.3	383
161	Gas content, eruption rate and instabilities of eruption regime in silicic volcanoes. <i>Earth and Planetary Science Letters</i> , 1991 , 102, 413-429	5.3	367
160	Transient high-Rayleigh-number thermal convection with large viscosity variations. <i>Journal of Fluid Mechanics</i> , 1993 , 253, 141	3.7	307
159	The chemical composition of the Earth: Enstatite chondrite models. <i>Earth and Planetary Science Letters</i> , 2010 , 293, 259-268	5.3	302
158	Laboratory models of Hawaiian and Strombolian eruptions. <i>Nature</i> , 1988 , 331, 58-60	50.4	265
157	Oceans and continents: Similarities and differences in the mechanisms of heat loss. <i>Journal of Geophysical Research</i> , 1981 , 86, 11535		264
156	The thermal structure and thickness of continental roots. <i>Lithos</i> , 1999 , 48, 93-114	2.9	263
155	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	3.7	244
154	Oscillatory zoning: a pathological case of crystal growth. <i>Nature</i> , 1981 , 294, 223-228	50.4	198
153	Separated two-phase flow and basaltic eruptions. <i>Journal of Geophysical Research</i> , 1986 , 91, 12842-12860		192
152	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		186
151	Compositional convection in a reactive crystalline mush and melt differentiation. <i>Journal of Geophysical Research</i> , 1992 , 97, 6735		183
150	Fragmentation of magma during Plinian volcanic eruptions. <i>Bulletin of Volcanology</i> , 1996 , 58, 144-162	2.4	170
149	The next-generation liquid-scintillator neutrino observatory LENA. <i>Astroparticle Physics</i> , 2012 , 35, 685-732		163
148	On the interaction between convection and crystallization in cooling magma chambers. <i>Earth and Planetary Science Letters</i> , 1986 , 77, 345-361	5.3	152

147	Heat flow and thickness of the lithosphere in the Canadian Shield. <i>Journal of Geophysical Research</i> , 1998 , 103, 15269-15286		150
146	Thermal evolution of the Earth: Secular changes and fluctuations of plate characteristics. <i>Earth and Planetary Science Letters</i> , 2007 , 260, 465-481	5.3	144
145	Degassing during magma ascent in the Mule Creek vent (USA). <i>Bulletin of Volcanology</i> , 1996 , 58, 117-130.	2.4	141
144	Dynamics of degassing at Kilauea Volcano, Hawaii. <i>Journal of Geophysical Research</i> , 1990 , 95, 2793		141
143	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	5.3	139
142	High heat flow in southern Tibet. <i>Nature</i> , 1984 , 307, 32-36	5.4	138
141	Heat flow and structure of the lithosphere in the Eastern Canadian Shield. <i>Journal of Geophysical Research</i> , 1991 , 96, 19941-19963		137
140	The effect of edifice load on magma ascent beneath a volcano. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2000 , 358, 1515-1532	3	133
139	Magma storage and horizontal dyke injection beneath a volcanic edifice. <i>Earth and Planetary Science Letters</i> , 2004 , 221, 245-262	5.3	132
138	The size distribution of pyroclasts and the fragmentation sequence in explosive volcanic eruptions. <i>Journal of Geophysical Research</i> , 1998 , 103, 29759-29779		122
137	On the effect of continents on mantle convection. <i>Journal of Geophysical Research</i> , 1995 , 100, 24217-24238		107
136	On the vesicularity of pumice. <i>Journal of Geophysical Research</i> , 1994 , 99, 15633		107
135	Heat focussing, granite genesis and inverted metamorphic gradients in continental collision zones. <i>Earth and Planetary Science Letters</i> , 1985 , 73, 385-397	5.3	100
134	Nucleation, crystal growth and the thermal regime of cooling magmas. <i>Journal of Geophysical Research</i> , 1984 , 89, 10161-10177		99
133	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	4.9	97
132	Dynamics of differentiation in magma reservoirs. <i>Journal of Geophysical Research</i> , 1995 , 100, 17615-17636		95
131	Thermal control on post-orogenic extension in collision belts. <i>Earth and Planetary Science Letters</i> , 1988 , 89, 48-62	5.3	94
130	Radiogenic heat production, thermal regime and evolution of continental crust. <i>Tectonophysics</i> , 2013 , 609, 524-534	3.1	87

129	Magma chamber behavior beneath a volcanic edifice. <i>Journal of Geophysical Research</i> , 2003 , 108,		87
128	Ascent and emplacement of buoyant magma bodies in brittle-ductile upper crust. <i>Journal of Geophysical Research</i> , 2003 , 108,		87
127	Heat flow and deep thermal structure near the southeastern edge of the Canadian Shield. <i>Canadian Journal of Earth Sciences</i> , 2000 , 37, 399-414	1.5	82
126	On the variations of flow rate in non-explosive lava eruptions. <i>Earth and Planetary Science Letters</i> , 1993 , 114, 505-516	5.3	81
125	Compositional convection in viscous melts. <i>Nature</i> , 1989 , 338, 571-574	50.4	80
124	The planform of compositional convection and chimney formation in a mushy layer. <i>Nature</i> , 1992 , 359, 406-408	50.4	78
123	The kinetics of nucleation and crystal growth and scaling laws for magmatic crystallization. <i>Contributions To Mineralogy and Petrology</i> , 1987 , 96, 24-34	3.5	77
122	The stagnant bottom layer of convecting magma chambers. <i>Earth and Planetary Science Letters</i> , 1986 , 80, 183-199	5.3	77
121	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	5.3	77
120	Thermal evolution of cratonic roots. <i>Lithos</i> , 2009 , 109, 47-60	2.9	72
119	Measuring Heat Flux and Structure Functions of Temperature Fluctuations with an Acoustic Doppler Sodar. <i>Journal of Applied Meteorology</i> , 1980 , 19, 199-205		72
118	Temperatures, Heat and Energy in the Mantle of the Earth 2007 , 253-303		68
117	Radiogenic heat production in the continental crust. <i>Lithos</i> , 2016 , 262, 398-427	2.9	66
116	The generation of gas overpressure in volcanic eruptions. <i>Earth and Planetary Science Letters</i> , 1999 , 166, 57-70	5.3	65
115	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	5.3	65
114	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	2.6	65
113	Conditions for the arrest of a vertical propagating dyke. <i>Bulletin of Volcanology</i> , 2011 , 73, 191-204	2.4	63
112	Temperatures, Heat and Energy in the Mantle of the Earth 2007 , 253-303		63

111	Laminar starting plumes in high-Prandtl-number fluids. <i>Journal of Fluid Mechanics</i> , 2003 , 478, 287-298	3.7	63
110	Convective instabilities in a variable viscosity fluid cooled from above. <i>Physics of the Earth and Planetary Interiors</i> , 1985 , 39, 14-32	2.3	63
109	Dike propagation through layered rocks. <i>Journal of Geophysical Research</i> , 2009 , 114,		62
108	Steady-state operation of Stromboli volcano, Italy: constraints on the feeding system. <i>Bulletin of Volcanology</i> , 1992 , 54, 535-541	2.4	60
107	Heat Flow and Thermal Structure of the Lithosphere 2007 , 217-251		58
106	Gas loss from magmas through conduit walls during eruption. <i>Geological Society Special Publication</i> , 1998 , 145, 73-90	1.7	58
105	Large-scale crustal heterogeneities and lithospheric strength in cratons. <i>Earth and Planetary Science Letters</i> , 1998 , 164, 205-219	5.3	57
104	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	5.3	57
103	Lithosphere structure beneath the Phanerozoic intracratonic basins of North America. <i>Earth and Planetary Science Letters</i> , 2000 , 178, 139-149	5.3	56
102	The production of chemically stratified and adcumulate plutonic igneous rocks. <i>Mineralogical Magazine</i> , 1996 , 60, 99-114	1.7	55
101	Crustal heat production in the Superior Province, Canadian Shield, and in North America inferred from heat flow data. <i>Journal of Geophysical Research</i> , 2006 , 111,		54
100	A lithospheric instability origin for the Cameroon Volcanic Line. <i>Earth and Planetary Science Letters</i> , 2012 , 335-336, 80-87	5.3	52
99	Physical models of volcanic eruptions. <i>Chemical Geology</i> , 1996 , 128, 217-227	4.2	52
98	Thermal convection in lava lakes. <i>Geophysical Research Letters</i> , 1993 , 20, 1827-1830	4.9	52
97	Some consequences of volcanic edifice destruction for eruption conditions. <i>Journal of Volcanology and Geothermal Research</i> , 2005 , 145, 68-80	2.8	51
96	Influence of cooling on lava-flow dynamics. <i>Geology</i> , 1993 , 21, 335	5	51
95	The impact of a volcanic edifice on intrusive and eruptive activity. <i>Earth and Planetary Science Letters</i> , 2014 , 408, 1-8	5.3	50
94	Expansion and quenching of vesicular magma fragments in Plinian eruptions. <i>Journal of Geophysical Research</i> , 1997 , 102, 12187-12203		49

93	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	5.3	49
92	Constraints on cooling rates and permeabilities of pumice in an explosive eruption jet from colour and magnetic mineralogy. <i>Journal of Volcanology and Geothermal Research</i> , 1998 , 86, 79-91	2.8	46
91	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	1.5	45
90	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		44
89	Temperatures, Heat, and Energy in the Mantle of the Earth 2015 , 223-270		43
88	Constraints on Crustal Heat Production from Heat Flow Data 2003 , 65-84		43
87	Transient geotherms in Archean continental lithosphere: New constraints on thickness and heat production of the subcontinental lithospheric mantle. <i>Journal of Geophysical Research</i> , 2007 , 112,		42
86	Stagnant layers at the bottom of convecting magma chambers. <i>Nature</i> , 1984 , 308, 535-538	50.4	41
85	Ultra-rapid formation of large volumes of evolved magma. <i>Earth and Planetary Science Letters</i> , 2006 , 250, 38-52	5.3	40
84	On the thermal structure of the southern Tibetan crust. <i>Geophysical Journal International</i> , 1985 , 81, 131-135	1.5	40
83	Low mantle heat flow at the edge of the North American Continent, Voisey Bay, Labrador. <i>Geophysical Research Letters</i> , 2000 , 27, 823-826	4.9	39
82	Heat flow variations in the Grenville Province, Canada. <i>Earth and Planetary Science Letters</i> , 1995 , 136, 447-460	5.3	39
81	Chapter 11a. PHYSICAL ASPECTS OF MAGMA DEGASSING I. Experimental and theoretical constraints on vesiculation 1994 , 413-446		39
80	Heat flow in the Trans-Hudson Orogen of the Canadian Shield: Implications for Proterozoic continental growth. <i>Journal of Geophysical Research</i> , 1999 , 104, 29007-29024		38
79	Low heat flux and large variations of lithospheric thickness in the Canadian Shield. <i>Journal of Geophysical Research</i> , 2010 , 115,		35
78	Magma degassing and intermittent lava dome growth. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	34
77	Secular cooling and thermal structure of continental lithosphere. <i>Earth and Planetary Science Letters</i> , 2007 , 257, 83-96	5.3	33
76	The feeder system of the Toba supervolcano from the slab to the shallow reservoir. <i>Nature Communications</i> , 2016 , 7, 12228	17.4	32

75	Caldera formation by magma withdrawal from a reservoir beneath a volcanic edifice. <i>Earth and Planetary Science Letters</i> , 2005 , 230, 273-287	5.3	32
74	Breathing of the Nevado del Ruiz volcano reservoir, Colombia, inferred from repeated seismic tomography. <i>Scientific Reports</i> , 2017 , 7, 46094	4.9	31
73	Generation of continental rifts, basins, and swells by lithosphere instabilities. <i>Journal of Geophysical Research: Solid Earth</i> , 2013 , 118, 3080-3100	3.6	31
72	Instability of a chemically dense layer heated from below and overlain by a deep less viscous fluid. <i>Journal of Fluid Mechanics</i> , 2007 , 572, 433-469	3.7	31
71	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	2.8	30
70	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	4.9	30
69	Marginal stability of atmospheric eruption columns and pyroclastic flow generation. <i>Journal of Geophysical Research</i> , 2001 , 106, 21785-21798		30
68	Ascent and decompression of viscous vesicular magma in a volcanic conduit. <i>Journal of Geophysical Research</i> , 2001 , 106, 16223-16240		30
67	Continental tectonics and continental kinetics. <i>Earth and Planetary Science Letters</i> , 1985 , 74, 171-186	5.3	29
66	Eruption at Le Piton de la Fournaise volcano on 3 February 1981. <i>Nature</i> , 1982 , 297, 395-397	50.4	29
65	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	5.3	28
64	Dike propagation through an elastic plate. <i>Journal of Geophysical Research</i> , 1998 , 103, 18295-18314		28
63	High heat flow in the trans-Hudson Orogen, Central Canadian Shield. <i>Geophysical Research Letters</i> , 1996 , 23, 3027-3030	4.9	28
62	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	3.6	27
61	Geoneutrinos and the energy budget of the Earth. <i>Journal of Geodynamics</i> , 2012 , 54, 43-54	2.2	27
60	Two models for the formation of magma reservoirs by small increments. <i>Tectonophysics</i> , 2011 , 500, 34-49.1	4.9	25
59	Heat flow, thermal regime, and elastic thickness of the lithosphere in the Trans-Hudson Orogen. <i>Canadian Journal of Earth Sciences</i> , 2005 , 42, 517-532	1.5	25
58	Simple fluid dynamic models of volcanic rift zones. <i>Earth and Planetary Science Letters</i> , 1995 , 136, 223-240.3	4.3	25

57	Lava flow shapes and dimensions as reflections of magma system conditions. <i>Journal of Volcanology and Geothermal Research</i> , 1997 , 78, 31-50	2.8	24
56	Upper mantle velocity-temperature conversion and composition determined from seismic refraction and heat flow. <i>Journal of Geophysical Research</i> , 2006 , 111,		24
55	Dynamics of magma flow near the vent: Implications for dome eruptions. <i>Earth and Planetary Science Letters</i> , 2009 , 279, 185-196	5.3	22
54	Penetration of mantle plumes through depleted lithosphere. <i>Journal of Geophysical Research</i> , 2005 , 110,		22
53	Likelihood of basaltic eruptions as a function of volatile content and volcanic edifice size. <i>Journal of Volcanology and Geothermal Research</i> , 2004 , 137, 201-217	2.8	22
52	Temperatures at the base of the Laurentide Ice Sheet inferred from borehole temperature data. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	22
51	Magma expansion and fragmentation in a propagating dyke. <i>Earth and Planetary Science Letters</i> , 2011 , 301, 146-152	5.3	21
50	Enhanced crustal geo-neutrino production near the Sudbury Neutrino Observatory, Ontario, Canada. <i>Earth and Planetary Science Letters</i> , 2009 , 288, 301-308	5.3	21
49	Heat Flow and Thermal Structure of the Lithosphere 2007 , 217-251		21
48	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,		20
47	Nonequilibrium temperatures and cooling rates in thick continental lithosphere. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	20
46	Variations of strength and localized deformation in cratons: The 1.9Ga Kapuskasing uplift, Superior Province, Canada. <i>Earth and Planetary Science Letters</i> , 2006 , 249, 216-228	5.3	18
45	Lithospheric structure of the Canadian Shield inferred from inversion of surface-wave dispersion with thermodynamic a priori constraints. <i>Geological Society Special Publication</i> , 2004 , 239, 175-194	1.7	18
44	Heat flow in the western Superior Province of the Canadian shield. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	18
43	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 Lithoprobe Parameters, processes, and the evolution of a continent.. <i>Canadian Journal of Earth Sciences</i> , 2010 , 47, 389-408	1.5	17
42	Microwave-heating laboratory experiments for planetary mantle convection. <i>Journal of Fluid Mechanics</i> , 2015 , 777, 50-67	3.7	15
41	Constraints on Crustal Heat Production from Heat Flow Data 2014 , 53-73		15
40	Low-Frequency Earthquakes and Pore Pressure Transients in Subduction Zones. <i>Geophysical Research Letters</i> , 2018 , 45, 11,083	4.9	15

39	Heat Flow and Thermal Structure of the Lithosphere 2015 , 217-253		14
38	Archean Thermal Regime and Stabilization of the Cratons. <i>Geophysical Monograph Series</i> , 2006 , 61-73	1.1	14
37	Heat flow in the Nipigon arm of the Keweenawan rift, northwestern Ontario, Canada. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	14
36	Post-orogenic thermal evolution of newborn Archean continents. <i>Earth and Planetary Science Letters</i> , 2015 , 432, 36-45	5.3	13
35	The initiation of subduction by crustal extension at a continental margin. <i>Geophysical Journal International</i> , 2012 , 188, 779-797	2.6	12
34	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	3.6	12
33	Marginal stability of thick continental lithosphere. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	12
32	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	2.2	12
31	Effects of compressibility on the flow of lava. <i>Bulletin of Volcanology</i> , 1991 , 54, 1-9	2.4	12
30	CHAPTER 8. DYNAMICS OF ERUPTIVE PHENOMENA 1990 , 213-238		12
29	The distributions of slip rate and ductile deformation in a strike-slip shear zone. <i>Geophysical Journal International</i> , 2002 , 148, 179-192	2.6	11
28	Postemplacement dynamics of basaltic intrusions in the continental crust. <i>Journal of Geophysical Research: Solid Earth</i> , 2017 , 122, 966-987	3.6	10
27	The fate of mafic and ultramafic intrusions in the continental crust. <i>Earth and Planetary Science Letters</i> , 2016 , 453, 131-140	5.3	10
26	Folding in regions of extension. <i>Geophysical Journal International</i> , 2011 , 185, 1120-1134	2.6	10
25	Geochemical evidence for high volatile fluxes from the mantle at the end of the Archaean. <i>Nature</i> , 2019 , 575, 485-488	50.4	10
24	Fundamentals of laminar free convection in internally heated fluids at values of the RayleighRoberts number up to. <i>Journal of Fluid Mechanics</i> , 2018 , 846, 966-998	3.7	10
23	Microwave-based laboratory experiments for internally-heated mantle convection 2013 ,		9
22	The thermal structure and thickness of continental roots. <i>Developments in Geotectonics</i> , 1999 , 93-114		9

21	Convection in an internally heated stratified heterogeneous reservoir. <i>Journal of Fluid Mechanics</i> , 2019 , 870, 67-105	3.7	8
20	Influence of cooling on lava-flow dynamics: Comment and Reply. <i>Geology</i> , 1994 , 22, 93	5	7
19	Characteristic Dimensions and Times for Dynamic Crystallization 1987 , 613-639		7
18	What the Mantle Sees: The Effects of Continents on Mantle Heat Flow. <i>Geophysical Monograph Series</i> , 2000 , 95-112	1.1	6
17	The effects of alteration and the interpretation of heat flow and radioactivity data—reply to R.U.M. Rao. <i>Earth and Planetary Science Letters</i> , 1983 , 62, 430-438	5.3	5
16	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	2.5	4
15	CHAPTER 5. PHYSICAL PROCESSES IN THE EVOLUTION OF MAGMAS 1990 , 125-152		4
14	Heat flow constraints on the mafic character of Archean continental crust. <i>Earth and Planetary Science Letters</i> , 2021 , 571, 117091	5.3	3
13	The Eruption and Spreading of Lava. <i>The IMA Volumes in Mathematics and Its Applications</i> , 1992 , 175-203	0.5	3
12	The Sudbury Huronian heat flow anomaly, Ontario, Canada. <i>Precambrian Research</i> , 2017 , 295, 187-202	3.9	2
11	Seismic tremor reveals active trans-crustal magmatic system beneath Kamchatka volcanoes.. <i>Science Advances</i> , 2022 , 8, eabj1571	14.3	2
10	Towards Scaling Laws for the Interpretation of Igneous Structures 1987 , 327-347		2
9	Convection and Macrosegregation in Magma Chambers 1992 , 241-260		2
8	Microwave-based, internally-heated convection: New perspectives for the heterogeneous case 2015 ,		1
7	New Experiments on Compositional Convection 1992 , 155-158		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	3.6	1
5	Variations of surface heat flow and lithospheric thermal structure beneath the North American craton. <i>Earth and Planetary Science Letters</i> , 2004 , 223, 65-65	5.3	
4	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		

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- 2 The Formation of Continental Crust from a Physics Perspective. *Geochemistry International*, **2018**, 56, 1289-1321 0.8
- 1 Interactive simulation of plume and pyroclastic volcanic ejections. *Proceedings of the ACM on Computer Graphics and Interactive Techniques*, **2022**, 5, 1-15 2.3