

James K Russell

List of Publications by Year in descending order

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166
papers

6,159
citations

87843

38
h-index

85498

71
g-index

181
all docs

181
docs citations

181
times ranked

3410
citing authors

#	ARTICLE	IF	CITATIONS
1	Magmatic origins and storage conditions for the historic eruption of Tseax Volcano, British Columbia, Canada. <i>Chemical Geology</i> , 2022, 588, 120648.	1.4	4
2	Explosive glaciovolcanism at Cracked Mountain Volcano, Garibaldi Volcanic Belt, Canada. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 423, 107477.	0.8	6
3	Melt stripping and agglutination of pyroclasts during the explosive eruption of low viscosity magmas. <i>Nature Communications</i> , 2022, 13, 992.	5.8	3
4	Polymagmatic Glaciovolcanism: Cracked Mountain Tuya, Canadian Cascades. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	3
5	Controls on the Emplacement Style of Coherent Kimberlites in the Lac de Gras Field, Canada. <i>Journal of Petrology</i> , 2022, 63, .	1.1	3
6	Models for Viscosity of Geological Melts. <i>Reviews in Mineralogy and Geochemistry</i> , 2022, 87, 841-885.	2.2	8
7	Inflated pyroclasts in proximal fallout deposits reveal abrupt transitions in eruption behaviour. <i>Nature Communications</i> , 2022, 13, .	5.8	4
8	Temperature-pressure-composition model for melt viscosity in the Di-An-Ab system. <i>Chemical Geology</i> , 2021, 560, 119895.	1.4	2
9	A 3 m.y. record of volcanism and glaciation in northern British Columbia, Canada. , 2021, , .		1
10	The effect of pores (fluid-filled vs. drained) on magma rheology. <i>Chemical Geology</i> , 2021, 569, 120147.	1.4	3
11	Eruption of Mount Meager, British Columbia, during the early Fraser glaciation. <i>Canadian Journal of Earth Sciences</i> , 2021, 58, 1146-1154.	0.6	8
12	Hydrothermal alteration can result in pore pressurization and volcano instability. <i>Geology</i> , 2021, 49, 1348-1352.	2.0	36
13	A test of models for recent lithosphere foundering or replacement in the Canadian Cordillera using peridotite xenolith geothermometry. <i>Lithos</i> , 2021, 398-399, 106329.	0.6	8
14	Englacial lake dynamics within a Pleistocene cordilleran ice sheet at Kima' Kho tuya (British Columbia,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.4	7
15	Two distinct mantle sources beneath the Garibaldi Volcanic Belt: Insight from olivine-hosted melt inclusions. <i>Chemical Geology</i> , 2020, 532, 119346.	1.4	16
16	A calibrated database of Raman spectra for natural silicate glasses: implications for modelling melt physical properties. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 1822-1838.	1.2	16
17	Physical volcanology of Tseax Volcano, British Columbia, Canada. <i>Journal of Maps</i> , 2020, 16, 363-375.	1.0	8
18	Transport, survival and modification of xenoliths and xenocrysts from source to surface. <i>Earth and Planetary Science Letters</i> , 2020, 548, 116499.	1.8	4

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19	Glacial pumping of a magma-charged lithosphere: A model for glaciovolcanic causality in magmatic arcs. <i>Earth and Planetary Science Letters</i> , 2020, 548, 116500.	1.8	21
20	A Raman spectroscopic tool to estimate chemical composition of natural volcanic glasses. <i>Chemical Geology</i> , 2020, 556, 119819.	1.4	17
21	Timescales of porosity and permeability loss by solid-state sintering. <i>Earth and Planetary Science Letters</i> , 2020, 549, 116533.	1.8	11
22	Raman Spectroscopy from Laboratory and Proximal to Remote Sensing: A Tool for the Volcanological Sciences. <i>Remote Sensing</i> , 2020, 12, 805.	1.8	13
23	Cyclic shear zone cataclasis and sintering during lava dome extrusion: Insights from Chaos Crags, Lassen Volcanic Center (USA). <i>Journal of Volcanology and Geothermal Research</i> , 2020, 401, 106935.	0.8	8
24	The age of the Tseax volcanic eruption, British Columbia, Canada. <i>Canadian Journal of Earth Sciences</i> , 2020, 57, 1238-1253.	0.6	10
25	The Rheological Behaviour of Porous Magmas: Bubbles vs. Vesicles. , 2020, , .		0
26	Strain-Dependent Rheology of Silicate Melt Foams: Importance for Outgassing of Silicic Lavas. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 8167-8186.	1.4	10
27	Paleo-glacier reconstruction in southwestern British Columbia, Canada: A glaciovolcanic model. <i>Quaternary Science Reviews</i> , 2019, 218, 178-188.	1.4	9
28	Permeability evolution during non-isothermal compaction in volcanic conduits and tuffsite veins: Implications for pressure monitoring of volcanic edifices. <i>Earth and Planetary Science Letters</i> , 2019, 527, 115783.	1.8	20
29	The Table, a flat-topped volcano in southern British Columbia: Revisited. <i>Numerische Mathematik</i> , 2019, 319, 44-73.	0.7	10
30	Modification of Mantle Cargo by Turbulent Ascent of Kimberlite. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	7
31	A proxy for magmatic foams: FOAMGLAS® [®] , a closed-cell glass insulation. <i>Journal of Non-Crystalline Solids: X</i> , 2019, 1, 100001.	0.5	5
32	Pargasite-bearing vein in spinel lherzolite from the mantle lithosphere of the North America Cordillera. <i>Canadian Journal of Earth Sciences</i> , 2019, 56, 870-885.	0.6	10
33	Quaternary glaciovolcanism in the Canadian Cascade volcanic arc – Paleoenvironmental implications. , 2019, , .		8
34	Hot pressing in conduit faults during lava dome extrusion: Insights from Mount St. Helens 2004 – 2008. <i>Earth and Planetary Science Letters</i> , 2018, 482, 171-180.	1.8	22
35	Influence of porosity and groundmass crystallinity on dome rock strength: a case study from Mt. Taranaki, New Zealand. <i>Bulletin of Volcanology</i> , 2018, 80, 1.	1.1	36
36	Conodont geothermometry in pyroclastic kimberlite: constraints on emplacement temperatures and cooling histories. <i>Mineralogy and Petrology</i> , 2018, 112, 477-490.	0.4	2

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37	Unification of Isocon and Pearce Element Ratio Techniques in the Quantification of Material Transfer. <i>Economic Geology</i> , 2018, 113, 1603-1608.	1.8	10
38	Attrition in the kimberlite system. <i>Mineralogy and Petrology</i> , 2018, 112, 491-501.	0.4	9
39	Towards a structural model for the viscosity of geological melts. <i>Earth and Planetary Science Letters</i> , 2018, 501, 202-212.	1.8	23
40	Rapid solid-state sintering in volcanic systems. <i>American Mineralogist</i> , 2018, 103, 2028-2031.	0.9	8
41	Pumice attrition in an air-jet. <i>Powder Technology</i> , 2017, 308, 298-305.	2.1	17
42	Lillooet Glacier basalts, southwestern British Columbia, Canada: products of Quaternary glaciovolcanism. <i>Canadian Journal of Earth Sciences</i> , 2017, 54, 639-653.	0.6	8
43	Ash production by attrition in volcanic conduits and plumes. <i>Scientific Reports</i> , 2017, 7, 5538.	1.6	32
44	The heat capacity of hydrous multicomponent natural melts and glasses. <i>Chemical Geology</i> , 2017, 461, 96-103.	1.4	8
45	Modelling configurational entropy of silicate melts. <i>Chemical Geology</i> , 2017, 461, 140-151.	1.4	14
46	Mechanical behaviour of dacite from Mount St. Helens (USA): A link between porosity and lava dome extrusion mechanism (dome or spine)?. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 328, 159-177.	0.8	41
47	Reply on: "Comment on: The ascent of kimberlite: Insights from olivine" authored by Brett R.C. et al. [<i>Earth Planet. Sci. Lett.</i> 424 (2015) 119-131]. <i>Earth and Planetary Science Letters</i> , 2016, 440, 190-191.	1.8	1
48	Models for viscosity and shear localization in bubble-rich magmas. <i>Earth and Planetary Science Letters</i> , 2016, 449, 26-38.	1.8	20
49	Lherzolithic versus harzburgitic garnet trends: sampling of extended depth versus extended composition. Reply to the comment by Ivanic et al. 2015. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	1.2	1
50	Forensic recovery of transient eruption parameters for the 2360BP fall deposit, Mount Meager, British Columbia. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 312, 11-25.	0.8	4
51	Surface tension driven processes densify and retain permeability in magma and lava. <i>Earth and Planetary Science Letters</i> , 2016, 433, 116-124.	1.8	63
52	Igneous Rock Associations 20. Pearce Element Ratio Diagrams: Linking Geochemical Data to Magmatic Processes. <i>Geoscience Canada</i> , 2016, 43, 133.	0.3	19
53	Timescales for permeability reduction and strength recovery in densifying magma. <i>Earth and Planetary Science Letters</i> , 2015, 429, 223-233.	1.8	61
54	Vesiculation in rhyolite at low H_2O contents: A thermodynamic model. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 4292-4310.	1.0	9

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55	Eruption and emplacement timescales of ignimbrite super-eruptions from thermo-kinetics of glass shards. <i>Frontiers in Earth Science</i> , 2015, 3, .	0.8	10
56	The ascent of kimberlite: Insights from olivine. <i>Earth and Planetary Science Letters</i> , 2015, 424, 119-131.	1.8	78
57	Mineralogical controls on garnet composition in the cratonic mantle. <i>Contributions To Mineralogy and Petrology</i> , 2015, 169, 1.	1.2	8
58	The Satah Mountain and Baldface Mountain volcanic fields: Pleistocene hot spot volcanism in the Anahim Volcanic Belt, west-central British Columbia, Canada. <i>Bulletin of Volcanology</i> , 2015, 77, 1.	1.1	8
59	Glaciovolcanism. , 2015, , 377-393.		17
60	Experiments and models on H ₂ O retrograde solubility in volcanic systems. <i>American Mineralogist</i> , 2015, 100, 774-786.	0.9	33
61	Heat capacity of hydrous trachybasalt from Mt Etna: comparison with CaAl ₂ Si ₂ O ₈ (An) and CaMgSi ₂ O ₆ (Di) as basaltic proxy compositions. <i>Contributions To Mineralogy and Petrology</i> , 2015, 170, 1.	1.2	12
62	Kimberlite emplacement temperatures from conodont geothermometry. <i>Earth and Planetary Science Letters</i> , 2015, 411, 131-141.	1.8	23
63	Morphology and surface features of olivine in kimberlite: implications for ascent processes. <i>Solid Earth</i> , 2014, 5, 313-326.	1.2	26
64	Conditions and timescales for welding block-and-ash flow deposits. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 289, 202-209.	0.8	36
65	Quaternary subglacial and explosive volcanism in the Canadian Cascade arc (Sea-to-Sky Corridor), British Columbia. , 2014, , 125-167.		2
66	Sticky issues arising from high-viscosity magma: Settling arguments on magmatic structures. <i>Geology</i> , 2014, 42, 1023-1024.	2.0	6
67	Welding of pyroclastic conduit infill: A mechanism for cyclical explosive eruptions. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 5305-5323.	1.4	21
68	The history and dynamics of a welded pyroclastic dam and its failure. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	1.1	12
69	Tuyas: a descriptive genetic classification. <i>Quaternary Science Reviews</i> , 2014, 87, 70-81.	1.4	45
70	Thermomechanical milling of accessory lithics in volcanic conduits. <i>Earth and Planetary Science Letters</i> , 2013, 377-378, 276-286.	1.8	37
71	The multiphase rheology of magmas from Monte Nuovo (Campi Flegrei, Italy). <i>Chemical Geology</i> , 2013, 346, 213-227.	1.4	33
72	Pyroclastic passage zones in glaciovolcanic sequences. <i>Nature Communications</i> , 2013, 4, 1788.	5.8	20

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73	Geothermobarometry of spinel peridotites from southern British Columbia: implications for the thermal conditions in the upper mantle. <i>Canadian Journal of Earth Sciences</i> , 2013, 50, 1019-1032.	0.6	21
74	Energetics of glass fragmentation: Experiments on synthetic and natural glasses. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4936-4951.	1.0	12
75	Kimberlite: Rapid Ascent of Lithospherically Modified Carbonatitic Melts. , 2013, , 195-210.		5
76	Kimberlite Terminology and Classification. , 2013, , 1-17.		36
77	A Phreatomagmatic Kimberlite: The A418 Kimberlite Pipe, Northwest Territories, Canada. , 2013, , 97-107.		9
78	Strength and permeability recovery of tuffisite-bearing andesite. <i>Solid Earth</i> , 2012, 3, 191-198.	1.2	62
79	Pleistocene reversal of the Fraser River, British Columbia. <i>Geology</i> , 2012, 40, 111-114.	2.0	17
80	Kimberlite ash: Fact or fiction. <i>Physics and Chemistry of the Earth</i> , 2012, 45-46, 24-32.	1.2	9
81	Cataclastic production of volcanic ash at Mount Saint Helens. <i>Physics and Chemistry of the Earth</i> , 2012, 45-46, 40-49.	1.2	44
82	Pele's tears and spheres: Examples from Kilauea Iki. <i>Earth and Planetary Science Letters</i> , 2012, 333-334, 171-180.	1.8	54
83	Kimberlite ascent by assimilation-fuelled buoyancy. <i>Nature</i> , 2012, 481, 352-356.	13.7	238
84	The thickness of Neogene and Quaternary cover across the central Interior Plateau, British Columbia: analysis of water-well drill records and implications for mineral exploration potential ¹ This article is one of a series of papers published in this Special Issue on the theme of <i>New insights in Cordilleran Intermontane geoscience: reducing exploration risk in the mountain pine beetle-affected area, British Columbia</i>. ²Geological Survey of Canada (GSC) Contribution 20100036; <i>Minera. Canadian Journal of Earth Sciences</i> , 2011, 48, 973-986.	0.6	13
85	Volcanology and petrology of Mathews Tuya, northern British Columbia, Canada: glaciovolcanic constraints on interpretations of the 0.730±Ma Cordilleran paleoclimate. <i>Bulletin of Volcanology</i> , 2011, 73, 479-496.	1.1	31
86	Fragmentation in kimberlite: products and intensity of explosive eruption. <i>Bulletin of Volcanology</i> , 2011, 73, 983-1003.	1.1	20
87	A rare occurrence of a crater-filling clastogenic extrusive coherent kimberlite, Victor Northwest (Ontario, Canada). <i>Bulletin of Volcanology</i> , 2011, 73, 1047-1062.	1.1	24
88	Introduction to Special Issue of <i>Bulletin of Volcanology</i> on "Advances in Kimberlite Geology and Volcanology". <i>Bulletin of Volcanology</i> , 2011, 73, 939-940.	1.1	0
89	Time- and temperature-dependent conduit wall porosity: A key control on degassing and explosivity at Tarawera volcano, New Zealand. <i>Earth and Planetary Science Letters</i> , 2010, 299, 126-137.	1.8	29
90	Olivine crystal size distributions in kimberlite. <i>American Mineralogist</i> , 2010, 95, 527-536.	0.9	36

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91	Spatial and temporal evolution of kimberlite magma at A154N, Diavik, Northwest Territories, Canada. <i>Lithos</i> , 2009, 112, 541-552.	0.6	27
92	Origin of olivine in kimberlite: Phenocryst or impostor?. <i>Lithos</i> , 2009, 112, 201-212.	0.6	148
93	Stratigraphy of the intra-crater volcanoclastic deposits of the Victor Northwest kimberlite, northern Ontario, Canada. <i>Lithos</i> , 2009, 112, 488-500.	0.6	16
94	An image analysis method to determine crystal size distributions of olivine in kimberlite. <i>Computational Geosciences</i> , 2009, 13, 255-268.	1.2	22
95	Time scales of compaction in volcanic systems. <i>Geology</i> , 2009, 37, 471-474.	2.0	59
96	Origins of Mount St. Helens cataclasites: Experimental insights. <i>American Mineralogist</i> , 2009, 94, 995-1004.	0.9	45
97	Welded block and ash flow deposits from Mount Meager, British Columbia, Canada. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 169, 121-144.	0.8	38
98	Progressive infilling of a kimberlite pipe at Diavik, Northwest Territories, Canada: Insights from volcanic facies architecture, textures, and granulometry. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 174, 103-116.	0.8	34
99	Discrimination of diamond resource and non-resource domains in the Victor North pyroclastic kimberlite, Canada. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 174, 128-138.	0.8	18
100	Granulite facies xenoliths from Prindle volcano, Alaska: Implications for the northern Cordilleran crustal lithosphere. <i>Lithos</i> , 2008, 101, 344-358.	0.6	7
101	Viscosity of magmatic liquids: A model. <i>Earth and Planetary Science Letters</i> , 2008, 271, 123-134.	1.8	1,257
102	Rheology of porous volcanic materials: High-temperature experimentation under controlled water pressure. <i>Chemical Geology</i> , 2008, 256, 216-230.	1.4	19
103	High-temperature deformation of volcanic materials in the presence of water. <i>American Mineralogist</i> , 2008, 93, 74-80.	0.9	20
104	A rheological model for glassforming silicate melts in the systems CAS, MAS, MCAS. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 205148.	0.7	20
105	Canadian Cascade volcanism: Subglacial to explosive eruptions along the Sea to Sky Corridor, British Columbia. , 2007, , 1-29.		3
106	An expanded non-Arrhenian model for silicate melt viscosity: A treatment for metaluminous, peraluminous and peralkaline liquids. <i>Chemical Geology</i> , 2006, 229, 42-56.	1.4	126
107	Basanite glaciovolcanism at Llangorse mountain, northern British Columbia, Canada. <i>Bulletin of Volcanology</i> , 2006, 69, 329-340.	1.1	15
108	Bulk and particle strain analysis in high-temperature deformation experiments. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 154, 63-73.	0.8	17

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109	Thermal state of the upper mantle beneath the Northern Cordilleran Volcanic Province (NCVP), British Columbia, Canada. <i>Lithos</i> , 2006, 87, 1-22.	0.6	41
110	Welding processes in volcanology: insights from field, experimental, and modeling studies. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 142, 1-9.	0.8	38
111	Welding: insights from high-temperature analogue experiments. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 142, 67-87.	0.8	64
112	Rheology of welding: inversion of field constraints. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 142, 173-191.	0.8	53
113	Ranking welding intensity in pyroclastic deposits. <i>Bulletin of Volcanology</i> , 2005, 67, 129-143.	1.1	114
114	A model for silicate melt viscosity in the system CaMgSi ₂ O ₆ -CaAl ₂ Si ₂ O ₈ -NaAlSi ₃ O ₈ . <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 5333-5349.	1.6	38
115	A low-load, high-temperature deformation apparatus for volcanological studies. <i>American Mineralogist</i> , 2004, 89, 873-877.	0.9	23
116	Thermodynamic models for eclogitic mantle lithosphere. <i>Earth and Planetary Science Letters</i> , 2004, 218, 451-462.	1.8	14
117	High-temperature limits on viscosity of non-Arrhenian silicate melts. <i>American Mineralogist</i> , 2004, 88, 1390-1394.	0.9	84
118	Rock strength as a metric of welding intensity in pyroclastic deposits. <i>European Journal of Mineralogy</i> , 2003, 15, 855-864.	0.4	75
119	Discrimination of hot versus cold avalanche deposits: Implications for hazard assessment at Mount Meager, B.C.. <i>Natural Hazards and Earth System Sciences</i> , 2003, 3, 713-724.	1.5	7
120	Mantle shear zones revisited: The connection between the cratons and mantle dynamics. <i>Geology</i> , 2002, 30, 419.	2.0	49
121	Modelling the non-Arrhenian rheology of silicate melts: Numerical considerations. <i>European Journal of Mineralogy</i> , 2002, 14, 417-428.	0.4	26
122	Effusive intermediate glaciovolcanism in the Garibaldi Volcanic Belt, southwestern British Columbia, Canada. <i>Geological Society Special Publication</i> , 2002, 202, 195-211.	0.8	28
123	Glacial influences on morphology and eruptive products of Hoodoo Mountain volcano, Canada. <i>Geological Society Special Publication</i> , 2002, 202, 179-194.	0.8	15
124	Time-scales of assembly and thermal history of a composite felsic pluton: constraints from the Emerald Lake area, northern Canadian Cordillera, Yukon. <i>Journal of Volcanology and Geothermal Research</i> , 2002, 114, 331-356.	0.8	44
125	Subglacial, phonolitic volcanism at Hoodoo Mountain volcano, northern Canadian Cordillera. <i>Bulletin of Volcanology</i> , 2002, 64, 254-272.	1.1	42
126	Heat production and heat flow in the mantle lithosphere, Slave craton, Canada. <i>Physics of the Earth and Planetary Interiors</i> , 2001, 123, 27-44.	0.7	69

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127	The Cheslatta Lake suite: Miocene mafic, alkaline magmatism in central British Columbia. Canadian Journal of Earth Sciences, 2001, 38, 697-717.	0.6	13
128	ESTIMATES OF CRUSTAL ASSIMILATION IN QUATERNARY LAVAS FROM THE NORTHERN CORDILLERA, BRITISH COLUMBIA. Canadian Mineralogist, 2001, 39, 275-297.	0.3	12
129	Mapping porosity variation in a welded pyroclastic deposit with signal and velocity patterns from ground-penetrating radar surveys. Bulletin of Volcanology, 2001, 62, 457-463.	1.1	4
130	Distribution, nature, and origin of Neogene-Quaternary magmatism in the northern Cordilleran volcanic province, Canada. Bulletin of the Geological Society of America, 2000, 112, 1280-1295.	1.6	63
131	Detection of welding in pyroclastic flows with ground penetrating radar: insights from field and forward modeling data. Journal of Volcanology and Geothermal Research, 2000, 95, 23-34.	0.8	23
132	Imaging the subsurface stratigraphy in the Ubehebe hydrovolcanic field (Death Valley, California) using ground penetrating radar. Journal of Volcanology and Geothermal Research, 2000, 96, 45-56.	0.8	20
133	Ground-penetrating radar mapping of Minoan volcanic deposits and the Late Bronze Age palaeotopography, Thera, Greece. Geological Society Special Publication, 2000, 171, 105-121.	0.8	1
134	Primitive Magma From the Jericho Pipe, N.W.T., Canada: Constraints on Primary Kimberlite Melt Chemistry. Journal of Petrology, 2000, 41, 789-808.	1.1	186
135	Garnet from Cr- and Ca-saturated mantle: implications for diamond exploration. Journal of Geochemical Exploration, 2000, 68, 183-199.	1.5	38
136	Chemical stratification of cratonic lithosphere: constraints from the Northern Slave craton, Canada. Earth and Planetary Science Letters, 2000, 181, 71-87.	1.8	135
137	Petrology of Peridotite and Pyroxenite Xenoliths from the Jericho Kimberlite: Implications for the Thermal State of the Mantle beneath the Slave Craton, Northern Canada. Journal of Petrology, 1999, 40, 79-104.	1.1	201
138	Volcanology of the 2350 B.P. Eruption of Mount Meager Volcanic Complex, British Columbia, Canada: implications for Hazards from Eruptions in Topographically Complex Terrain. Bulletin of Volcanology, 1999, 60, 489-507.	1.1	63
139	Dielectric constant as a predictor of porosity in dry volcanic rocks. Journal of Volcanology and Geothermal Research, 1999, 91, 79-96.	0.8	80
140	Origins of the Zippa Mountain pluton: a Late Triassic, arc-derived, ultrapotassic magma from the Canadian Cordillera. Canadian Journal of Earth Sciences, 1999, 36, 1415-1434.	0.6	14
141	A steady state conductive geotherm for the north central Slave, Canada: Inversion of petrological data from the Jericho Kimberlite pipe. Journal of Geophysical Research, 1999, 104, 7089-7101.	3.3	61
142	Northern Cordilleran volcanic province: A northern Basin and Range?. Geology, 1999, 27, 243.	2.0	40
143	Major-element discrimination of titanian andradite from magmatic and hydrothermal environments: an example from the Canadian Cordillera. European Journal of Mineralogy, 1999, 11, 919-936.	0.4	29
144	Time scales of magmatic processes: New insights from dynamic models for magmatic assimilation. Geology, 1998, 26, 1103.	2.0	48

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145	Upper-mantle stratigraphy of the Slave craton, Canada: Insights into a new kimberlite province. <i>Geology</i> , 1998, 26, 315.	2.0	41
146	Characterization of volcanic deposits with ground-penetrating radar. <i>Bulletin of Volcanology</i> , 1997, 58, 515-527.	1.1	48
147	A review and analysis of silicate mineral dissolution experiments in natural silicate melts. <i>Chemical Geology</i> , 1996, 130, 233-245.	1.4	46
148	REE-bearing alkaline pegmatites and associated light REE-enriched fenites at Mount Bisson, British Columbia. <i>Economic Geology</i> , 1996, 91, 451-459.	1.8	6
149	Triassic-Jurassic silica-undersaturated and silica-saturated alkalic intrusions in the Cordillera of British Columbia: Implications for arc magmatism. <i>Geology</i> , 1995, 23, 451.	2.0	36
150	Nd-Sr-Pb isotopic studies of the southern Coast Plutonic Complex, southwestern British Columbia. <i>Bulletin of the Geological Society of America</i> , 1995, 107, 127.	1.6	37
151	Magmatic origins of calc-alkaline intrusions from the Coast Plutonic Complex, southwestern British Columbia. <i>Canadian Journal of Earth Sciences</i> , 1995, 32, 1643-1667.	0.6	16
152	Mesozoic alkaline rocks of the Averill plutonic complex. <i>Canadian Journal of Earth Sciences</i> , 1992, 29, 2508-2520.	0.6	6
153	CHAPTER 6. MAGMA MIXING PROCESSES: INSIGHTS AND CONSTRAINTS FROM THERMODYNAMIC CALCULATIONS. , 1990, , 153-190.		7
154	A theoretical basis for the development and use of chemical variation diagrams. <i>Geochimica Et Cosmochimica Acta</i> , 1990, 54, 2419-2431.	1.6	19
155	Pearce element ratios: A paradigm for testing hypotheses. <i>Eos</i> , 1990, 71, 234-247.	0.1	24
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