

R F Berry

List of Publications by Year in descending order

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66
papers

3,640
citations

185998

28
h-index

128067

60
g-index

70
all docs

70
docs citations

70
times ranked

2661
citing authors

#	ARTICLE	IF	CITATIONS
1	High pressure experimental calibration of the olivine-orthopyroxene-spinel oxygen geobarometer: implications for the oxidation state of the upper mantle. <i>Contributions To Mineralogy and Petrology</i> , 1991, 107, 27-40.	1.2	827
2	Pyrite and Pyrrhotite Textures and Composition in Sediments, Laminated Quartz Veins, and Reefs at Bendigo Gold Mine, Australia: Insights for Ore Genesis. <i>Economic Geology</i> , 2011, 106, 1-31.	1.8	334
3	Oxygen fugacity controls in the Earth's upper mantle. <i>Nature</i> , 1990, 348, 437-440.	13.7	248
4	Internally consistent gahnitic spinel-cordierite-garnet equilibria in the FMASHZn system: geothermobarometry and applications. <i>Contributions To Mineralogy and Petrology</i> , 1992, 111, 362-377.	1.2	198
5	Tectonic implications of Late Proterozoic-Early Palaeozoic igneous rock associations in western Tasmania. <i>Tectonophysics</i> , 1992, 214, 37-56.	0.9	156
6	Fluid Chemistry, Structural Setting, and Emplacement History of the Rosario Cu-Mo Porphyry and Cu-Ag-Au Epithermal Veins, Collahuasi District, Northern Chile. <i>Economic Geology</i> , 2005, 100, 835-862.	1.8	136
7	A North American provenance for Neoproterozoic to Cambrian sandstones in Tasmania?. <i>Earth and Planetary Science Letters</i> , 2001, 192, 207-222.	1.8	131
8	The tectonic significance of Cambrian allochthonous mafic-ultramafic complexes in Tasmania. <i>Australian Journal of Earth Sciences</i> , 1988, 35, 523-533.	0.4	100
9	Origin and Evolution of Primitive Island Arc Ankaramites from Western Epi, Vanuatu. <i>Journal of Petrology</i> , 1990, 31, 747-777.	1.1	87
10	MINSQ—a least squares spreadsheet method for calculating mineral proportions from whole rock major element analyses. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2002, 2, 361-368.	0.5	86
11	Development of Framboidal Pyrite During Diagenesis, Low-Grade Regional Metamorphism, and Hydrothermal Alteration. <i>Economic Geology</i> , 2009, 104, 1143-1168.	1.8	84
12	Authigenic monazite and detrital zircon dating from the Proterozoic Rocky Cape Group, Tasmania: Links to the Belt-Purcell Supergroup, North America. <i>Precambrian Research</i> , 2014, 250, 50-67.	1.2	77
13	Gold in the oceans through time. <i>Earth and Planetary Science Letters</i> , 2015, 428, 139-150.	1.8	72
14	Tectonic implications of the Nan Suture Zone and its relationship to the Sukhothai Fold Belt, Northern Thailand. <i>Journal of Asian Earth Sciences</i> , 2000, 18, 663-673.	1.0	68
15	Cambrian metamorphic complexes in Tasmania: Tectonic implications. <i>Australian Journal of Earth Sciences</i> , 2000, 47, 971-985.	0.4	63
16	Characteristics and Origin of the Oak Dam East Breccia-Hosted, Iron Oxide Cu-U-(Au) Deposit: Olympic Dam Region, Gawler Craton, South Australia. <i>Economic Geology</i> , 2007, 102, 1471-1498.	1.8	56
17	Asian and south-western Pacific continental terranes derived from Gondwana, and their biogeographic significance. <i>Australian Systematic Botany</i> , 1991, 4, 13.	0.3	53
18	Proterozoic metamorphism in Tasmania: Implications for tectonic reconstructions. <i>Precambrian Research</i> , 2008, 166, 387-396.	1.2	53

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19	40Ar/39Ar and Re-Os Geochronology of Porphyry Copper-Molybdenum Deposits and Related Copper-Silver Veins in the Collahuasi District, Northern Chile. <i>Economic Geology</i> , 2004, 99, 673-690.	1.8	46
20	Stratigraphy, structure, and volcanic-hosted mineralization of the Mount Windsor Subprovince, North Queensland, Australia. <i>Economic Geology</i> , 1992, 87, 739-763.	1.8	45
21	Chemical U-Th-Pb monazite dating of the Cambrian Tyennan Orogeny, Tasmania. <i>Australian Journal of Earth Sciences</i> , 2007, 54, 757-771.	0.4	42
22	Some Palaeozoic-Mesozoic stratigraphic-structural relationships in east timor and their significance in the tectonics of timor. <i>Journal of the Geological Society of Australia</i> , 1977, 24, 203-214.	0.6	39
23	In situ location and U-Pb dating of small zircon grains in igneous rocks using laser ablation-inductively coupled plasma-quadrupole mass spectrometry. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, .	1.0	37
24	A decompressional P-T path, Reinbolt Hills, East Antarctica. <i>Journal of Metamorphic Geology</i> , 1991, 9, 257-266.	1.6	34
25	Geological evolution of the East Tasman Plateau, a continental fragment southeast of Tasmania. <i>Australian Journal of Earth Sciences</i> , 1997, 44, 597-608.	0.4	31
26	Arc-oblique fault systems: their role in the Cenozoic structural evolution and metallogensis of the Andes of central Chile. <i>Journal of Structural Geology</i> , 2016, 89, 101-117.	1.0	30
27	Rodinian devil in disguise: Correlation of 1.25-1.10 Ga strata between Tasmania and Grand Canyon. <i>Geology</i> , 2018, 46, 991-994.	2.0	30
28	Crystallization Pressure and Cooling History of the Giles Layered Igneous Complex, Central Australia. <i>Journal of Petrology</i> , 1991, 32, 1-28.	1.1	28
29	Characterising chalcopyrite liberation and flotation potential: Examples from an IOCG deposit. <i>Minerals Engineering</i> , 2011, 24, 1271-1276.	1.8	25
30	Structural history of the Arthur Lineament, northwest Tasmania: An analysis of critical outcrops. <i>Australian Journal of Earth Sciences</i> , 2002, 49, 167-185.	0.4	24
31	Petrology of the Hili Manu lherzolite, East Timor. <i>Journal of the Geological Society of Australia</i> , 1981, 28, 453-469.	0.6	23
32	Basalt geochemistry as a test of the tectonic models of Timor. <i>Journal of the Geological Society</i> , 1982, 139, 593-604.	0.9	21
33	Metamorphic rocks from the southern margin of Tasmania and their tectonic significance—. <i>Australian Journal of Earth Sciences</i> , 1997, 44, 609-619.	0.4	19
34	Geochemistry and tectonic settings of meta-igneous rocks in the Arthur Lineament and surrounding area, northwest Tasmania*. <i>Australian Journal of Earth Sciences</i> , 2003, 50, 903-918.	0.4	19
35	Mineralization, U-Pb Geochronology, and Stable Isotope Geochemistry of the Lower Main Zone of the Lorraine Deposit, North-Central British Columbia: A Replacement-Style Alkalic Cu-Au Porphyry. <i>Economic Geology</i> , 2014, 109, 979-1004.	1.8	19
36	Whole-rock geochemistry of the Hili Manu peridotite, East Timor: implications for the origin of Timor ophiolites —. <i>Australian Journal of Earth Sciences</i> , 2006, 53, 637-649.	0.4	17

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37	A tightly folded, gold-rich, massive sulfide deposit; Que River Mine, Tasmania. <i>Economic Geology</i> , 1988, 83, 681-693.	1.8	16
38	Lithological discrimination of altered volcanic rocks based on systematic portable X-ray fluorescence analysis of drill core at the Myra Falls VHMS deposit, Canada. <i>Journal of Geochemical Exploration</i> , 2018, 193, 1-21.	1.5	16
39	The Geology of the Nifty Copper Deposit, Throssell Group, Western Australia: Implications for Ore Genesis. <i>Economic Geology</i> , 2001, 96, 1535-1565.	1.8	15
40	A Statistical Approach to Defining Proterozoic Crustal Provinces and Testing Continental Reconstructions of Australia and Laurentia - SWEAT or AUSWUS?. <i>Gondwana Research</i> , 2002, 5, 109-122.	3.0	15
41	Automated Core Logging Technology for Geotechnical Assessment: A Study on Core from the Cadia East Porphyry Deposit. <i>Economic Geology</i> , 2019, 114, 1495-1511.	1.8	15
42	The Cambrian metamorphic history of Tasmania: The Metapelites. <i>Australian Journal of Earth Sciences</i> , 2012, 59, 1007-1019.	0.4	14
43	Soil transference patterns on bras: Image processing and laboratory dragging experiments. <i>Forensic Science International</i> , 2016, 258, 88-100.	1.3	14
44	Geological Contributions to Geometallurgy: A Review. <i>Geoscience Canada</i> , 2017, 44, 103-118.	0.3	14
45	Development of recovery domains: Examples from the Prominent Hill IOCG deposit, Australia. <i>Minerals Engineering</i> , 2014, 64, 7-14.	1.8	13
46	The metamorphic sole of the western Tasmanian ophiolite: New insights into the Cambrian tectonic setting of the Gondwana Pacific margin. <i>Gondwana Research</i> , 2016, 38, 351-369.	3.0	13
47	A new method for obtaining and quantifying the reliability of structural data from axially-oriented drill core using a fabric of known orientation. <i>Journal of Structural Geology</i> , 2004, 26, 643-658.	1.0	12
48	Regional metamorphism of the Mathinna Group, northeast Tasmania. <i>Australian Journal of Earth Sciences</i> , 2001, 48, 281-292.	0.4	11
49	Predictive Models of Mineralogy from Whole-Rock Assay Data: Case Study from the Productora Cu-Au-Mo Deposit, Chile. <i>Economic Geology</i> , 2019, 114, 1513-1542.	1.8	11
50	The pre-Carboniferous geology of Tasmania. <i>Episodes</i> , 2012, 35, 195-204.	0.8	11
51	Mineral Dust Emissions at Metalliferous Mine Sites. , 2017, , 281-306.		9
52	Depositional age and correlation of the Oonah Formation: refining the timing of Neoproterozoic basin formation in Tasmania. <i>Australian Journal of Earth Sciences</i> , 2018, 65, 391-407.	0.4	9
53	The history of movement on the Henty Fault Zone, western Tasmania: An analysis of fault striations. <i>Australian Journal of Earth Sciences</i> , 1989, 36, 189-205.	0.4	8
54	Uâ€“Thâ€“Pb monazite dating and the timing of arcâ€“continent collision in East Timor. <i>Australian Journal of Earth Sciences</i> , 2016, 63, 367-377.	0.4	7

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55	Detrital zircon ages, provenance and tectonic evolution in the early Paleozoic of Tasmania and Waratah Bay, Victoria. Australian Journal of Earth Sciences, 2022, 69, 650-665.	0.4	7
56	Prediction of Acid Rock Drainage from Automated Mineralogy. , 2017, , 139-156.		6
57	The structure and metamorphism of the Red Point Metamorphic Complexâ€”A newly discovered high-pressure metamorphic complex from the south coast of Tasmania. Australian Journal of Earth Sciences, 2015, 62, 969-983.	0.4	5
58	Multiple deformation episodes at Myra Falls volcanic-hosted massive sulfide camp, central Vancouver Island, British Columbia, Canada. Canadian Journal of Earth Sciences, 2006, 43, 1711-1732.	0.6	4
59	Geochemistry and provenance of the Turquoise Bluff Slate, northeastern Tasmania: tectonic significance. Australian Journal of Earth Sciences, 2019, 66, 227-246.	0.4	3
60	STRUCTURE FROM PHOTOGRAPHS OF ORIENTED CORE: STORC. Economic Geology, 2016, 111, 1525-1527.	1.8	2
61	Integration and Analysis of Optical and Sem-Based Microscopy for Automated Mineralogical Characterisation. , 2012, , 319-326.		2
62	The Rosario porphyry Cu-Mo deposit, northern Chile: Hypogene upgrading during gravitational collapse of the Domeyko Cordillera. , 2005, , 365-368.		0
63	Late Mesozoic strike-slip faulting in Tasmania. Australian Journal of Earth Sciences, 2015, , 1-9.	0.4	0
64	Uâ€”Pb zircon geochronology from the Alexander terrane, southeast Alaska: implications for the Greens Creek massive sulphide deposit. Canadian Journal of Earth Sciences, 2016, 53, 1458-1475.	0.6	0
65	Prediction of Mineral Dust Properties at Mine Sites. , 2017, , 343-354.		0
66	Mineral Dust Properties at the Mt Lyell Cu-Au Mine Site, Australia. , 2017, , 307-325.		0