Robert Frei

List of Publications by Year
in descending order

259 papers	13,805 citations	18482 62 h-index	33894 99 g-index
263 all docs	263 docs citations	263 times ranked	8884 citing authors

#	Article	IF	Citations
1	History of Atmospheric Lead Deposition Since 12,370 14C yr BP from a Peat Bog, Jura Mountains, Switzerland. , 1998, 281, 1635-1640.		722
2	Fluctuations in Precambrian atmospheric oxygenation recorded by chromium isotopes. Nature, 2009, 461, 250-253.	27.8	554
3	Atmospheric oxygenation three billion years ago. Nature, 2013, 501, 535-538.	27.8	547
4	Tracing the Indian Ocean Mantle Domain Through Time: Isotopic Results from Old West Indian, East Tethyan, and South Pacific Seafloor. Journal of Petrology, 1998, 39, 1285-1306.	2.8	284
5	Geochemistry of the peat bog at Etang de la GruÃ¨re, Jura Mountains, Switzerland, and its record of atmospheric Pb and lithogenic trace metals (Sc, Ti, Y, Zr, and REE) since 12,370 14 C yr BP. Geochimica Et Cosmochimica Acta, 2001, 65, 2337-2360.	3.9	253
6	U-rich Archaean sea-floor sediments from Greenland â€“ indications of >3700 Ma oxygenic photosynthesis. Earth and Planetary Science Letters, 2004, 217, 237-244.	4.4	237
7	New Luâ€“Hf and Pbâ€“Pb age constraints on the earliest animal fossils. Earth and Planetary Science Letters, 2002, 201, 203-212.	4.4	223
8	The geographic distribution of strontium isotopes in Danish surface waters â€“ A base for provenance studies in archaeology, hydrology and agriculture. Applied Geochemistry, 2011, 26, 326-340.	3.0	183
9	Anthropogenic contributions to atmospheric Hg, Pb and As accumulation recorded by peat cores from southern Greenland and Denmark dated using the 14C â€œbomb pulse curveâ€. Geochimica Et Cosmochimica Acta, 2003, 67, 3991-4011.	3.9	179
10	Oxygenation of the mid-Proterozoic atmosphere: clues from chromium isotopes in carbonates. Geochemical Perspectives Letters, 2016, , 178-187.	5.0	172
11	Unraveling the record of successive high grade events in the Central Zone of the Limpopo Belt using Pb single phase dating of metamorphic minerals. Precambrian Research, 1998, 87, 87-115.	2.7	171
12	The genesis of Archaean chromitites from the Nuasahi and Sukinda massifs in the Singhbhum Craton, India. Precambrian Research, 2006, 148, 45-66.	2.7	157
13	Reduction of hexavalent chromium by ferrous iron: A process of chromium isotope fractionation and its relevance to natural environments. Chemical Geology, 2011, 285, 157-166.	3.3	147
14	Onset of main Phanerozoic marine radiation sparked by emerging Mid Ordovician icehouse. Scientific Reports, 2016, 6, 18884.	3.3	146
15	The Nd and Hf isotopic evolution of the mantle through the Archean. results from the Isua supracrustals, West Greenland, and from the Birimian terranes of West Africa. Geochimica Et Cosmochimica Acta, 1999, 63, 3901-3914.	3.9	140
16	Source heterogeneity for the major components of â^¼3.7ÂGa Banded Iron Formations (Isua Greenstone) Tj ETQq0 0 0 rgBT /Overlock 1 Planetary Science Letters, 2007, 253, 266-281.	4.4	135
17	Post-collisional transition from calc-alkaline to alkaline magmatism during transcurrent deformation in the southernmost Dom Feliciano Belt (Brazilianoâ€“Pan-African, Uruguay). Lithos, 2007, 98, 141-159.	1.4	134
18	Highly fractionated chromium isotopes in Mesoproterozoic-aged shales and atmospheric oxygen. Nature Communications, 2018, 9, 2871.	12.8	130

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19	The behavior of molybdenum and its isotopes across the chemocline and in the sediments of sulfidic Lake Cadagno, Switzerland. Geochimica Et Cosmochimica Acta, 2010, 74, 144-163.	3.9	129
20	Rare earth element mineralogy and geochemistry in a laterite profile from Madagascar. Applied Geochemistry, 2014, 41, 218-228.	3.0	125
21	Single mineral PbPb dating. Earth and Planetary Science Letters, 1995, 129, 261-268.	4.4	124
22	Geochronology of the Hout River Shear Zone and the metamorphism in the Southern Marginal Zone of the Limpopo Belt, Southern Africa. Precambrian Research, 2001, 109, 145-173.	2.7	123
23	Distribution of platinum-group elements and Os isotopes in chromite ores from MayarÃ-Baracoa Ophiolitic Belt (eastern Cuba). Contributions To Mineralogy and Petrology, 2005, 150, 589-607.	3.1	121
24	Chromium isotopes in carbonates â€" A tracer for climate change and for reconstructing the redox state of ancient seawater. Earth and Planetary Science Letters, 2011, 312, 114-125.	4.4	117
25	Reâ€"Os isotopic evidence for long-lived heterogeneity and equilibration processes in the Earth's upper mantle. Nature, 2002, 419, 705-708.	27.8	113
26	Tracing the dynamic life story of a Bronze Age Female. Scientific Reports, 2015, 5, 10431.	3.3	112
27	Trace element systematics of the Neoarchean FiskenÃ¦sset anorthosite complex and associated meta-volcanic rocks, SW Greenland: Evidence for a magmatic arc origin. Precambrian Research, 2009, 175, 87-115.	2.7	110
28	Compositional variations in the Mesoarchean chromites of the Nuggihalli schist belt, Western Dharwar Craton (India): potential parental melts and implications for tectonic setting. Contributions To Mineralogy and Petrology, 2010, 160, 865-885.	3.1	110
29	Weathering on land and transport of chromium to the ocean in a subtropical region (Misiones, NW) Tj ETQq1 1 0.784314 rgBT /Overlo	3.3	107
30	Re-Os, Sm-Nd, U-Pb, and stepwise lead leaching isotope systematics in shear-zone hosted gold mineralization: genetic tracing and age constraints of crustal hydrothermal activity. Geochimica Et Cosmochimica Acta, 1998, 62, 1925-1936.	3.9	105
31	Single mineral dating by the PbPb step-leaching method: Assessing the mechanisms. Geochimica Et Cosmochimica Acta, 1997, 61, 393-414.	3.9	104
32	Molybdenum evidence for expansive sulfidic water masses in ~750Ma oceans. Earth and Planetary Science Letters, 2011, 311, 264-274.	4.4	102
33	Trace element and isotopic characterization of Neoarchean and Paleoproterozoic iron formations in the Black Hills (South Dakota, USA): Assessment of chemical change during 2.9â€"1.9 Ga deposition bracketing the 2.4â€"2.2 Ga first rise of atmospheric oxygen. Precambrian Research, 2008, 162, 441-474.	2.7	101
34	Field and geochemical characteristics of the Mesoarchean (â¼3075Ma) Ivisaartoq greenstone belt, southern West Greenland: Evidence for seafloor hydrothermal alteration in supra-subduction oceanic crust. Gondwana Research, 2007, 11, 69-91.	6.0	99
35	Mercury as a proxy for volcanic activity during extreme environmental turnover: The Cretaceousâ€"Paleogene transition. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 387, 153-164.	2.3	96
36	Mercury enrichment and Hg isotopes in Cretaceousâ€"Paleogene boundary successions: Links to volcanism and palaeoenvironmental impacts. Cretaceous Research, 2016, 66, 60-81.	1.4	95

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37	Lu-Hf and PbSL geochronology of apatites from Proterozoic terranes: A first look at Lu-Hf isotopic closure in metamorphic apatite. Geochimica Et Cosmochimica Acta, 2005, 69, 1847-1859.	3.9	94
38	Chromium isotope fractionation during oxidative weatheringâ€"Implications from the study of a Paleoproterozoic (ca. 1.9 Ga) paleosol, Schreiber Beach, Ontario, Canada. Precambrian Research, 2013, 224, 434-453.	2.7	94
39	The origin and compositions of Mesoarchean oceanic crust: Evidence from the 3075ÂMa Ivisaartoq greenstone belt, SW Greenland. Lithos, 2008, 100, 293-321.	1.4	91
40	The fate of chromium during tropical weathering: A laterite profile from Central Madagascar. Geoderma, 2014, 213, 521-532.	5.1	90
41	Tectonomagmatic events during stretching and basin formation in the Labrador Sea and the Davis Strait: evidence from age and composition of Mesozoic to Palaeogene dyke swarms in West Greenland. Journal of the Geological Society, 2009, 166, 999-1012.	2.1	89
42	Processes controlling the chromium isotopic composition of river water: Constraints from basaltic river catchments. Geochimica Et Cosmochimica Acta, 2016, 186, 296-315.	3.9	89
43	Fluctuations in late Neoproterozoic atmospheric oxidation â€" Cr isotope chemostratigraphy and iron speciation of the late Ediacaran lower Arroyo del Soldado Group (Uruguay). Gondwana Research, 2013, 23, 797-811.	6.0	88
44	Neoproterozoic to Early Palaeozoic events in the Sierra de San Luis: implications for the Famatinian geodynamics in the Eastern Sierras Pampeanas (Argentina). Journal of the Geological Society, 2006, 163, 965-982.	2.1	85
45	Controversial Pb-Pb and Sm-Nd isotope results in the early Archean Isua (West Greenland) oxide iron formation: preservation of primary signatures versus secondary disturbances. Geochimica Et Cosmochimica Acta, 1999, 63, 473-488.	3.9	84
46	PROVENANCE OF ANCIENT TEXTILESâ€"A PILOT STUDY EVALUATING THE STRONTIUM ISOTOPE SYSTEM IN WOOL*. Archaeometry, 2009, 51, 252-276.	1.3	82
47	Bioavailable 87Sr/86Sr in European soils: A baseline for provenancing studies. Science of the Total Environment, 2019, 672, 1033-1044.	8.0	81
48	Derivation of detrital rutile in the YaoundÃ© region from the Neoproterozoic Pan-African belt in southern Cameroon (Central Africa). Journal of African Earth Sciences, 2006, 44, 443-458.	2.0	80
49	Enhanced soil quality with reduced tillage and solid manures in organic farming â€" a synthesis of 15 years. Scientific Reports, 2020, 10, 4403.	3.3	78
50	Mesoproterozoic evolution of the RÃo de la Plata Craton in Uruguay: at the heart of Rodinia?. International Journal of Earth Sciences, 2011, 100, 273-288.	1.8	77
51	Was it for walrus? Viking Age settlement and medieval walrus ivory trade in Iceland and Greenland. World Archaeology, 2015, 47, 439-466.	1.1	77
52	Oxidative release of chromium from Archean ultramafic rocks, its transport and environmental impact â€" A Cr isotope perspective on the Sukinda valley ore district (Orissa, India). Applied Geochemistry, 2015, 59, 125-138.	3.0	75
53	Oxidative elemental cycling under the low O2 Eoarchean atmosphere. Scientific Reports, 2016, 6, 21058.	3.3	74
54	Evidence for an Ancient Osmium Isotopic Reservoir in Earth. Science, 2002, 296, 516-518.	12.6	72

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55	Mantle heterogeneity during the formation of the North Atlantic Igneous Province: Constraints from trace element and Sr-Nd-Os-O isotope systematics of Baffin Island picrites. Geochemistry, Geophysics, Geosystems, 2004, 5, n/a-n/a.	2.5	72
56	Time constraints on the tectonic evolution of the Eastern Sierras Pampeanas (Central Argentina). International Journal of Earth Sciences, 2010, 99, 1199-1226.	1.8	71
57	Origin of hexavalent chromium in groundwater: The example of Sarigkiol Basin, Northern Greece. Science of the Total Environment, 2017, 593-594, 552-566.	8.0	70
58	Growth of subcontinental lithospheric mantle beneath Zimbabwe started at or before 3.8 Ga: Re-Os study on chromites. Geology, 1997, 25, 983.	4.4	69
59	Provenance of the late Proterozoic to early Cambrian metaclastic sediments of the Sierra de San Luis (Eastern Sierras Pampeanas) and Cordillera Oriental, Argentina. Journal of South American Earth Sciences, 2009, 28, 239-262.	1.4	68
60	Complex Sm-Nd and Lu-Hf isotope systematics in metamorphic garnets from the Isua supracrustal belt, West Greenland. Geochimica Et Cosmochimica Acta, 2001, 65, 3177-3189.	3.9	67
61	Are high 3He/4He ratios in oceanic basalts an indicator of deep-mantle plume components?. Earth and Planetary Science Letters, 2003, 208, 197-204.	4.4	67
62	Isotopic Studies of Human Skeletal Remains from a Sixteenth to Seventeenth Century AD Churchyard in Campeche, Mexico. Current Anthropology, 2012, 53, 396-433.	1.6	66
63	New age (ca. 2970Ma), mantle source composition and geodynamic constraints on the Archean FiskenÅ¦sset anorthosite complex, SW Greenland. Chemical Geology, 2010, 277, 1-20.	3.3	65
64	Hydrothermal-metasomatic and tectono-metamorphic processes in the Isua supracrustal belt (West) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 sequence. Geochimica Et Cosmochimica Acta, 2002, 66, 467-486.	3.9	64
65	Adipose triglyceride lipase acts on neutrophil lipid droplets to regulate substrate availability for lipid mediator synthesis. Journal of Leukocyte Biology, 2015, 98, 837-850.	3.3	64
66	Partial diagenetic overprint of Late Jurassic belemnites from New Zealand: Implications for the preservation potential of Î7Li values in calcite fossils. Geochimica Et Cosmochimica Acta, 2013, 120, 80-96.	3.9	63
67	The geographic distribution of Sr isotopes from surface waters and soil extracts over the island of Bornholm (Denmark) â€“ A base for provenance studies in archaeology and agriculture. Applied Geochemistry, 2013, 38, 147-160.	3.0	63
68	A Metamorphosed, Early Archaean Chromitite from West Greenland: Implications for the Genesis of Archaean Anorthositic Chromitites. Journal of Petrology, 2002, 43, 2143-2170.	2.8	62
69	Nd-Sr-Pb isotopic constraints on metal and fluid sources in W-Sb-Au mineralization at Woxi and Liaojiaping (Western Hunan, China). Mineralium Deposita, 2004, 39, 313-327.	4.1	62
70	On the valency state of radiogenic lead in zircon and its consequences. Chemical Geology, 2009, 261, 4-11.	3.3	62
71	Early Cambrian Black Shale-Hosted Mo-Ni and V Mineralization on the Rifted Margin of the Yangtze Platform, China: Reconnaissance Chromium Isotope Data and a Refined Metallogenic Model. Economic Geology, 2016, 111, 89-103.	3.8	62
72	Lithostratigraphy and geochronology of the Neoproterozoic crystalline basement of Salalah, Dhofar, Sultanate of Oman. Precambrian Research, 2006, 145, 182-206.	2.7	61

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73	Fractionation behavior of chromium isotopes during coprecipitation with calcium carbonate: Implications for their use as paleoclimatic proxy. Geochimica Et Cosmochimica Acta, 2015, 164, 221-235.	3.9	60
74	A matter of months: High precision migration chronology of a Bronze Age female. PLoS ONE, 2017, 12, e0178834.	2.5	60
75	Comparative isotopic and chemical geochronometry of monazite, with implications for U-Th-Pb dating by electron microprobe: An example from metamorphic rocks of the eastern Wyoming Craton (U.S.A.). American Mineralogist, 2005, 90, 619-638.	1.9	59
76	Geochemistry of ultramafic rocks and hornblendite veins in the FiskenÃ¦sset layered anorthosite complex, SW Greenland: Evidence for hydrous upper mantle in the Archean. Precambrian Research, 2012, 214-215, 124-153.	2.7	59
77	High-resolution Hg chemostratigraphy: A contribution to the distinction of chemical fingerprints of the Deccan volcanism and Cretaceousâ€“Paleogene Boundary impact event. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 414, 98-115.	2.3	59
78	The origin of early Archean banded iron formations and of continental crust, Isua, southern West Greenland. Precambrian Research, 2005, 138, 151-175.	2.7	58
79	The Cr-isotope signature of surface seawater â€" A global perspective. Chemical Geology, 2016, 444, 101-109.	3.3	58
80	Os isotope systematics of mesoarchean chromitite-PGE deposits in the Singhbhum Craton (India): Implications for the evolution of lithospheric mantle. Chemical Geology, 2007, 244, 391-408.	3.3	57
81	Chromiumâ€isotope signatures in scleractinian corals from the <scp>R</scp>ocas <scp>A</scp>toll, <scp>T</scp>ropical <scp>S</scp>outh <scp>A</scp>tlantic. Geobiology, 2016, 14, 54-67.	2.4	56
82	A multi-isotopic and trace element investigation of the Cretaceousâ€“Tertiary boundary layer at Stevns Klint, Denmark â€" inferences for the origin and nature of siderophile and lithophile element geochemical anomalies. Earth and Planetary Science Letters, 2002, 203, 691-708.	4.4	54
83	Application of chromium stable isotopes to the evaluation of Cr(VI) contamination in groundwater and rock leachates from central Euboea and the Assopos basin (Greece). Catena, 2014, 122, 216-228.	5.0	54
84	Search for traces of the late heavy bombardment on Earthâ€"Results from high precision chromium isotopes. Earth and Planetary Science Letters, 2005, 236, 28-40.	4.4	53
85	Remnants of arc-related Mesoarchaean oceanic crust in the Tartoq Group of SW Greenland. Gondwana Research, 2013, 23, 436-451.	6.0	53
86	The Hadean upper mantle conundrum: evidence for source depletion and enrichment from Sm-Nd, Re-Os, and Pb isotopic compositions in 3.71 Gy boninite-like metabasalts from the Isua Supracrustal Belt, Greenland 1 1Associate editor: A. D. Brandon. Geochimica Et Cosmochimica Acta, 2004, 68, 1645-1660.	3.9	52
87	Petrology and geochemistry of the â^¼2.9Ga Itilliarsuk banded iron formation and associated supracrustal rocks, West Greenland: Source characteristics and depositional environment. Precambrian Research, 2013, 229, 150-176.	2.7	52
88	Oxygenation variations in the atmosphere and shallow seawaters of the Yangtze Platform during the Ediacaran Period: Clues from Cr-isotope and Ce-anomaly in carbonates. Precambrian Research, 2018, 313, 78-90.	2.7	51
89	Chromium isotope, REE and redox-sensitive trace element chemostratigraphy across the late Neoproterozoic Ghaub glaciation, Otavi Group, Namibia. Precambrian Research, 2016, 286, 234-249.	2.7	50
90	Generation of continental crust in the northern part of the Borborema Province, northeastern Brazil, from Archaean to Neoproterozoic. Journal of South American Earth Sciences, 2016, 68, 68-96.	1.4	48

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91	LEAD ISOTOPIC EVIDENCE FOR A MIXED PROVENANCE FOR ROMAN WATER PIPES FROM POMPEII*. Archaeometry, 2000, 42, 201-208.	1.3	47
92	The least radiogenic terrestrial leads; implications for the early Archean crustal evolution and hydrothermalâ€“metasomatic processes in the Isua Supracrustal Belt (West Greenland). Chemical Geology, 2001, 181, 47-66.	3.3	47
93	Osmium isotopes in the Wiedemann Fjord mantle xenoliths: A unique record of cratonic mantle formation by melt depletion in the Archaean. Geochemistry, Geophysics, Geosystems, 2001, 2, n/a-n/a.	2.5	46
94	Paleo- and Neoproterozoic magmatic and tectonometamorphic evolution of the Isla Cristalina de Rivera (Nico PÃ©rez Terrane, Uruguay). International Journal of Earth Sciences, 2012, 101, 1745-1762.	1.8	46
95	Environmentally available hexavalent chromium in soils and sediments impacted by dispersed fly ash in Sarigkiol basin (Northern Greece). Environmental Pollution, 2018, 235, 632-641.	7.5	46
96	Biogeochemical cycle of chromium isotopes at the modern Earth's surface and its applications as a paleo-environment proxy. Chemical Geology, 2020, 541, 119570.	3.3	46
97	Step-leach Pb-Pb dating of inclusion-bearing garnet and staurolite, with implications for Early Proterozoic tectonism in the Black Hills collisional orogen, South Dakota, United States. Geology, 1998, 26, 111.	4.4	45
98	Alkali Picrites Formed by Melting of Old Metasomatized Lithospheric Mantle: Manitdlat Member, Vaigat Formation, Palaeocene of West Greenland. Journal of Petrology, 2003, 44, 3-38.	2.8	45
99	East Greenland ice core dust record reveals timing of Greenland ice sheet advance and retreat. Nature Communications, 2019, 10, 4494.	12.8	45
100	Geochronology of granitoid and metasedimentary rocks from Togo and Benin, West Africa: Comparisons with NE Brazil. Precambrian Research, 2012, 196-197, 218-233.	2.7	44
101	Complex calc-alkaline volcanism recorded in Mesoarchaean supracrustal belts north of FrederikshÃ¥b Isblink, southern West Greenland: Implications for subduction zone processes in the early Earth. Precambrian Research, 2012, 208-211, 90-123.	2.7	44
102	Extensive oxidative weathering in the aftermath of a late Neoproterozoic glaciation â€“ Evidence from trace element and chromium isotope records in the Urucum district (Jacadigo Group) and Puga iron formations (Mato Grosso do Sul, Brazil). Gondwana Research, 2017, 49, 1-20.	6.0	44
103	Mapping human mobility during the third and second millennia BC in present-day Denmark. PLoS ONE, 2019, 14, e0219850.	2.5	44
104	Evolution of mineralizing fluid in the porphyry copper system of the Skouries Deposit, Northeast Chalkidiki (Greece); evidence from combined Pb-Sr and stable isotope data. Economic Geology, 1995, 90, 746-762.	3.8	43
105	Pitfalls and new approaches in granulite chronometry. Precambrian Research, 1998, 91, 269-285.	2.7	43
106	An energy-dispersive miniprobe multielement analyzer (EMMA) for direct analysis of trace elements and chemical age dating of single mineral grains. Chemical Geology, 1997, 135, 75-87.	3.3	42
107	High-resolution stable isotope stratigraphy of the upper Cambrian and Ordovician in the Argentine Precordillera: Carbon isotope excursions and correlations. Gondwana Research, 2013, 24, 330-348.	6.0	42
108	Potential leaching of Cr(VI) from laterite mines and residues of metallurgical products (red mud and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.2	42

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109	Multiproxy geochemical and isotope stratigraphy records of a Neoproterozoic Oxygenation Event in the Ediacaran Sete Lagoas cap carbonate, BambuÃ-Group, Brazil. Chemical Geology, 2018, 481, 119-132.	3.3	41
110	Chromium isotope stratigraphy of Ediacaran cap dolostones, Doushantuo Formation, South China. Chemical Geology, 2016, 436, 24-34.	3.3	40
111	Multi-isotope proveniencing of human remains from a Bronze Age battlefield in the Tollense Valley in northeast Germany. Archaeological and Anthropological Sciences, 2019, 11, 33-49.	1.8	40
112	Isotope geochemistry and origin of illite-smectite and kaolinite from the Seilitz and Kemmlitz kaolin deposits, Saxony, Germany. Clay Minerals, 2003, 38, 95-112.	0.6	39
113	Redox fluctuations in the Early Ordovician oceans: An insight from chromium stable isotopes. Chemical Geology, 2017, 448, 1-12.	3.3	39
114	Redox condition in the Nanhua Basin during the waning of the Sturtian glaciation: A chromium-isotope perspective. Precambrian Research, 2018, 319, 198-210.	2.7	39
115	Osmium and lead isotopes of rare OsIrRu minerals: derivation from the coreâ€“mantle boundary region?. Earth and Planetary Science Letters, 1999, 170, 83-92.	4.4	38
116	Neutrophil effector responses are suppressed by secretory phospholipase A2 modified HDL. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 184-193.	2.4	38
117	Archean and Proterozoic mineralization and tectonics at the Renco Mine (northern marginal zone,) Tj ETQq1 1 0.784314 rgBT /Overlo	3.8	37
118	Osmium isotopic compositions of Os-rich platinum group element alloys from the Klamath and Siskiyou Mountains. Journal of Geophysical Research, 2004, 109, .	3.3	37
119	The 3.1 Ga Nuggihalli chromite deposits, Western Dharwar craton (India): Geochemical and isotopic constraints on mantle sources, crustal evolution and implications for supercontinent formation and ore mineralization. Lithos, 2012, 155, 392-409.	1.4	37
120	Shallow retardation of the strontium isotope signal of agricultural liming - implications for isoscapes used in provenance studies. Science of the Total Environment, 2020, 706, 135710.	8.0	37
121	Elemental mapping using proton-induced x-rays. X-Ray Spectrometry, 2001, 30, 156-163.	1.4	36
122	Granites and granites in the East Greenland Caledonides. , 2008, , 227-249.		36
123	Chromium isotope fractionation between modern seawater and biogenic carbonates from the Great Barrier Reef, Australia: Implications for the paleo-seawater Î´53Cr reconstruction. Earth and Planetary Science Letters, 2018, 498, 140-151.	4.4	36
124	A strontium isotope baseline of Cyprus. Assessing the use of soil leachates, plants, groundwater and surface water as proxies for the local range of bioavailable strontium isotope composition. Science of the Total Environment, 2020, 708, 134714.	8.0	36
125	New 207Pbâ€“206Pb and 40Arâ€“39Ar ages from SW Montana, USA: constraints on the Proterozoic and ArchÃ¦an tectonic and depositional history of the Wyoming Province. Precambrian Research, 2002, 117, 119-143.	2.7	35
126	The Earthâ€“Moon system during the late heavy bombardment period â€“ Geochemical support for impacts dominated by comets. Icarus, 2009, 204, 368-380.	2.5	35

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127	Algoma-type Neoproterozoic BIFs and related marbles in the SeridÃ³ Belt (NE Brazil): REE, C, O, Cr and Sr isotope evidence. Journal of South American Earth Sciences, 2015, 61, 33-52.	1.4	35
128	2480 Ma mafic magmatism in the northern Black Hills, South Dakota: a new link connecting the Wyoming and Superior cratons. Canadian Journal of Earth Sciences, 2006, 43, 1579-1600.	1.3	34
129	Characterization of enriched lithospheric mantle components in â^¼2.7Ga Banded Iron Formations: An example from the Tati Greenstone Belt, Northeastern Botswana. Precambrian Research, 2009, 172, 334-356.	2.7	34
130	Geodynamic evolution of the Eastern Sierras Pampeanas (Central Argentina) based on geochemical, Smâ€“Nd, Pbâ€“Pb and SHRIMP data. International Journal of Earth Sciences, 2011, 100, 631-657.	1.8	34
131	Chemical and isotopic architecture of the belemnite rostrum. Geochimica Et Cosmochimica Acta, 2015, 159, 231-243.	3.9	34
132	Marine ferromanganese oxide: A potentially important sink of light chromium isotopes?. Chemical Geology, 2018, 495, 90-103.	3.3	34
133	The Nevoria Gold Skarn Deposit, Southern Cross Greenstone Belt, Western Australia: II. Pressure-Temperature-Time Path and Relationship to Postorogenic Granites. Economic Geology, 2004, 99, 453-478.	3.8	33
134	Os isotope heterogeneity of the upper mantle: Evidence from the MayarÃâ€“Baracoa ophiolite belt in eastern Cuba. Earth and Planetary Science Letters, 2006, 241, 466-476.	4.4	32
135	Geochemical and Pbâ€“Srâ€“Nd isotopic composition of the ultrapotassic volcanic rocks from the extension-related Ã‡amardÄ±-UlukÄ±ÅŸla basin, NiÄŸde Province, Central Anatolia, Turkey. Journal of Asian Earth Sciences, 2006, 27, 613-627.	2.3	32
136	The origin of geochemical trends and Eoarchean (ca. 3700 Ma) zircons in Mesoarchean (ca. 3075 Ma) ocelli-hosting pillow basalts, Ivisaartoq greenstone belt, SW Greenland: Evidence for crustal contamination versus crustal recycling. Chemical Geology, 2009, 268, 248-271.	3.3	32
137	Origin of Mesoarchaean arc-related rocks with boninite/komatiite affinities from southern West Greenland. Lithos, 2012, 144-145, 24-39.	1.4	32
138	Dacitic ocelli in mafic lavas, 3.8â€“3.7ÂGa Isua greenstone belt, West Greenland: Geochemical evidence for partial melting of oceanic crust and magma mixing. Chemical Geology, 2009, 258, 105-124.	3.3	31
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