Jean-FranÃ§ois Moyen

List of Publications by Year
in descending order

98 papers	10,730 citations	81900 39 h-index	60623 81 g-index
101 all docs	101 docs citations	101 times ranked	3768 citing authors

#	Article	IF	Citations
1	The onset of deep recycling of supracrustal materials at the Paleo-Mesoarchean boundary. National Science Review, 2022, 9, nwab136.	9.5	14
2	Towards the fertility trend: unraveling the economic potential of igneous suites through whole-rock and zircon geochemistry (example from the TapajÃ³s Mineral Province, Northern Brazil). Ore Geology Reviews, 2022, , 104643.	2.7	0
3	Make subductions diverse again. Earth-Science Reviews, 2022, 226, 103966.	9.1	14
4	Craton Formation in Early Earth Mantle Convection Regimes. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	6
5	Reply to comment on â€œMetamorphic origin of anastomosing and wavy laminas overprinting putative microbial deposits from the 3.22Â Ga Moodies Group (Barberton Greenstone Belt)â€• Precambrian Research, 2022, 373, 106624.	2.7	0
6	Early Earth zircons formed in residual granitic melts produced by tonalite differentiation. Geology, 2022, 50, 437-441.	4.4	15
7	Theoretical versus empirical secular change in zircon composition. Earth and Planetary Science Letters, 2021, 554, 116660.	4.4	17
8	Dharwar Craton. , 2021, , 1-4.		0
9	When zircon drowns: Elusive geochronological record of water-fluxed orthogneiss melting in the Velay dome (Massif Central, France). Lithos, 2021, 384-385, 105938.	1.4	4
10	Multi-scale spatial distribution of K, Th and U in an Archaean potassic granite: a case study from the Heerenveen batholith, Barberton Granite-Greenstone Terrain, South Africa. South African Journal of Geology, 2021, 124, 53-86.	1.2	5
11	High-temperature fluids in granites during the Neoarchaean-Palaeoproterozoic transition: Insight from Closepet titanite chemistry and U-Pb dating (Dharwar craton, India). Lithos, 2021, 386-387, 106039.	1.4	0
12	Crustal melting vs. fractionation of basaltic magmas: Part 2, Attempting to quantify mantle and crustal contributions in granitoids. Lithos, 2021, 402-403, 106292.	1.4	14
13	Crustal melting vs. fractionation of basaltic magmas: Part 1, granites and paradigms. Lithos, 2021, 402-403, 106291.	1.4	43
14	Thermal evolution of the Stolzburg Block, Barberton granitoid-greenstone terrain, South Africa: Implications for Paleoarchean tectonic processes. Precambrian Research, 2021, 359, 106082.	2.7	4
15	Metamorphic origin of anastomosing and wavy laminas overprinting putative microbial deposits from the 3.22Â Ga Moodies Group (Barberton Greenstone Belt). Precambrian Research, 2021, 362, 106306.	2.7	2
16	The Impact of Measurement Scale on the Univariate Statistics of K, Th, and U in the Earth Crust. Earth and Space Science, 2021, 8, e2021EA001786.	2.6	1
17	Granite and Related Rocks. , 2021, , 170-183.		1
18	Mineralâ€"fluid interactions in the late Archean Closepet granite batholith, Dharwar Craton, southern India. Geological Society Special Publication, 2020, 489, 293-314.	1.3	5

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19	Granites and crustal heat budget. Geological Society Special Publication, 2020, 491, 77-100.	1.3	19
20	Whole-rock geochemical modelling of granite genesis: the current state of play. Geological Society Special Publication, 2020, 491, 267-291.	1.3	16
21	Performing process-oriented investigations involving mass transfer using Rcrust: a new phase equilibrium modelling tool. Geological Society Special Publication, 2020, 491, 209-221.	1.3	11
22	Archean granitoids: classification, petrology, geochemistry and origin. Geological Society Special Publication, 2020, 489, 15-49.	1.3	33
23	A phase equilibrium investigation of selected source controls on the composition of melt batches generated by sequential melting of an average metapelite. Geological Society Special Publication, 2020, 491, 223-241.	1.3	10
24	Earthâ€™s earliest granitoids are crystal-rich magma reservoirs tapped by silicic eruptions. Nature Geoscience, 2020, 13, 163-169.	12.9	141
25	Orosirian magmatism in the TapajÃ³s Mineral Province (Amazonian Craton): The missing link to understand the onset of Paleoproterozoic tectonics. Lithos, 2020, 356-357, 105350.	1.4	7
26	Chemical variation, modal composition and classification of granitoids. Geological Society Special Publication, 2020, 491, 9-51.	1.3	40
27	Flow of partially molten crust controlling construction, growth and collapse of the Variscan orogenic belt: the geologic record of the French Massif Central. Bulletin - Societie Geologique De France, 2020, 191, 25.	2.2	49
28	Archean granitoids of India: windows into early Earth tectonics â€" an introduction. Geological Society Special Publication, 2020, 489, 1-13.	1.3	14
29	Multiple Sulfur Isotope Records of the 3.22 Ga Moodies Group, Barberton Greenstone Belt. Geosciences (Switzerland), 2020, 10, 145.	2.2	7
30	About this title - Archean Granitoids of India: Windows into Early Earth Tectonics. Geological Society Special Publication, 2020, 489, NP-NP.	1.3	6
31	Detrital zircon Uâ€"Pbâ€"Hf systematics of Ediacaran metasediments from the French Massif Central: Consequences for the crustal evolution of the north Gondwana margin. Precambrian Research, 2019, 324, 269-284.	2.7	27
32	The Formation of Tonalitesâ€"Trondjhemiteâ€"Granodiorites in Early Continental Crust. , 2019, , 133-168.		29
33	TTG Plutons of the Barberton Granitoid-Greenstone Terrain, South Africa. , 2019, , 615-653.		19
34	Archaean tectonic systems: A view from igneous rocks. Lithos, 2018, 302-303, 99-125.	1.4	200
35	A record of 0.5â€‾Ga of evolution of the continental crust along the northern edge of the Kaapvaal Craton, South Africa: Consequences for the understanding of Archean geodynamic processes. Precambrian Research, 2018, 305, 310-326.	2.7	17
36	When crust comes of age: on the chemical evolution of Archaean, felsic continental crust by crustal drip tectonics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20180103.	3.4	74

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37	Plutons and domes: the consequences of anatectic magma extractionâ€”example from the southeastern French Massif Central. International Journal of Earth Sciences, 2018, 107, 2819-2842.	1.8	32
38	Protracted, coeval crust and mantle melting during Variscan late-orogenic evolution: Uâ€“Pb dating in the eastern French Massif Central. International Journal of Earth Sciences, 2017, 106, 421-451.	1.8	89
39	Pre-Cadomian to late-Variscan odyssey of the eastern Massif Central, France: Formation of the West European crust in a nutshell. Gondwana Research, 2017, 46, 170-190.	6.0	53
40	Cadomian S-type granites as basement rocks of the Variscan belt (Massif Central, France): Implications for the crustal evolution of the north Gondwana margin. Lithos, 2017, 286-287, 16-34.	1.4	34
41	Insights into the complexity of crustal differentiation: K₂Oâ€poor leucosomes within metasedimentary migmatites from the Southern Marginal Zone of the Limpopo Belt, South Africa. Journal of Metamorphic Geology, 2017, 35, 999-1022.	3.4	34
42	Paleoproterozoic rejuvenation and replacement of Archaean lithosphere: Evidence from zircon Uâ€“Pb dating and Hf isotopes in crustal xenoliths at Udachnaya, Siberian craton. Earth and Planetary Science Letters, 2017, 457, 149-159.	4.4	51
43	Collision vs. subduction-related magmatism: Two contrasting ways of granite formation and implications for crustal growth. Lithos, 2017, 277, 154-177.	1.4	233
44	Rcrust: a tool for calculating pathâ€dependent open system processes and application to melt loss. Journal of Metamorphic Geology, 2016, 34, 663-682.	3.4	51
45	Diversity of burial rates in convergent settings decreased as Earth aged. Scientific Reports, 2016, 6, 26359.	3.3	33
46	Post-collisional magmatism: Crustal growth not identified by zircon Hfâ€“O isotopes. Earth and Planetary Science Letters, 2016, 456, 182-195.	4.4	161
47	Classical Plots. , 2016, , 27-43.		1
48	Geochemical Modelling of Igneous Processes â€“ Principles And Recipes in R Language. , 2016, , .		39
49	Direct (dilute) Trace-Element Models. , 2016, , 105-124.		0
50	Choosing an Appropriate Model. , 2016, , 181-189.		0
51	Common Sense in Action. , 2016, , 231-241.		0
52	Rapid evolution from sediment to anatectic granulite in an Archean continental collision zone: the example of the Bandelierkop Formation metapelites, South Marginal Zone, Limpopo Belt, South Africa. Journal of Metamorphic Geology, 2015, 33, 177-202.	3.4	56
53	Dharwar Craton. , 2015, , 631-634.		0
54	Comment on â€œUltrahigh temperature granulites and magnesian charnockites: Evidence for the Neoarchean accretion along the northern margin of the Kaapvaal cratonâ€by Rajesh et al.. Precambrian Research, 2014, 255, 455-458.	2.7	7

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55	Dharwar Craton. , 2014, , 1-4.		0
56	Temporal relationships between Mg-K mafic magmatism and catastrophic melting of the Variscan crust in the southern part of Velay Complex (Massif Central, France). Journal of Geosciences (Czech) Tj ETQq0 0 0 rgBT /Overlock 10Tf 50 69	0.6	19
57	The processes that control leucosome compositions in metasedimentary granulites: perspectives from the Southern Marginal Zone migmatites, Limpopo Belt, South Africa. Journal of Metamorphic Geology, 2014, 32, 713-742.	3.4	75
58	Why Archaean TTG cannot be generated by MORB melting in subduction zones. Lithos, 2014, 198-199, 1-13.	1.4	242
59	Heading down early on? Start of subduction on Earth. Geology, 2014, 42, 139-142.	4.4	167
60	The diversity and evolution of late-Archean granitoids: Evidence for the onset of â€œmodern-styleâ€•plate tectonics between 3.0 and 2.5Ga. Lithos, 2014, 205, 208-235.	1.4	557
61	A comment on ultrahigh-temperature metamorphism from an unusual corundumÂ+Âorthopyroxene intergrowth bearing Alâ€“Mg granulite from the Southern Marginal Zone, Limpopo Complex, South Africa, by Belyanin et al.. Contributions To Mineralogy and Petrology, 2014, 167, 1.	3.1	14
62	Mass Balance Modelling of Magmatic Processes in GCDkit. Society of Earth Scientists Series, 2014, , 225-238.	0.3	5
63	LA-ICP-MS dating of zircons from Meso- and Neoarchean granitoids of the Pietersburg block (South) Tj ETQq1 1 0.784314 rgBT /Overl 230, 209-226.	2.7	51
64	The Murchison Greenstone Belt, South Africa: Accreted slivers with contrasting metamorphic conditions. Precambrian Research, 2013, 227, 77-98.	2.7	34
65	Differentiation of the late-Archaean sanukitoid series and some implications for crustal growth: Insights from geochemical modelling on the Bulai pluton, Central Limpopo Belt, South Africa. Precambrian Research, 2013, 227, 186-203.	2.7	57
66	THE MURCHISON GREENSTONE BELT (SOUTH AFRICA): A GENERAL TECTONIC FRAMEWORK. South African Journal of Geology, 2012, 115, 65-76.	1.2	24
67	TTGs in the making: Natural evidence from Inyoni shear zone (Barberton, South Africa). Lithos, 2012, 153, 25-38.	1.4	31
68	Archean Subduction: Fact or Fiction?. Annual Review of Earth and Planetary Sciences, 2012, 40, 195-219.	11.0	310
69	Short-term episodicity of Archaean plate tectonics. Geology, 2012, 40, 451-454.	4.4	171
70	Evidence in Archaean Alkali Feldspar Megacrysts for High-Temperature Interaction with Mantle Fluids. Journal of Petrology, 2012, 53, 67-98.	2.8	34
71	Forty years of TTG research. Lithos, 2012, 148, 312-336.	1.4	697
72	Diversity in Earth's early felsic crust: Paleoarchean peraluminous granites of the Barberton Greenstone Belt. Geology, 2011, 39, 963-966.	4.4	41

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73	The composite Archaean grey gneisses: Petrological significance, and evidence for a non-unique tectonic setting for Archaean crustal growth. Lithos, 2011, 123, 21-36.	1.4	515
74	Geochemistry and petrogenesis of high-K â€œsanukitoidsâ€• from the Bulai pluton, Central Limpopo Belt, South Africa: Implications for geodynamic changes at the Archaeanâ€"Proterozoic boundary. Lithos, 2011, 123, 73-91.	1.4	77
75	The geochemistry of Archaean plagioclase-rich granites as a marker of source enrichment and depth of melting. , 2010, , .		2
76	The sanukitoid series: magmatism at the Archaeanâ€"Proterozoic transition. , 2010, , .		13
77	High Sr/Y and La/Yb ratios: The meaning of the â€œadakitic signatureâ€• Lithos, 2009, 112, 556-574.	1.4	806
78	The trace element compositions of S-type granites: evidence for disequilibrium melting and accessory phase entrainment in the source. Contributions To Mineralogy and Petrology, 2009, 158, 543-561.	3.1	158
79	The sanukitoid series: magmatism at the Archaeanâ€"Proterozoic transition. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2009, 100, 15-33.	0.3	157
80	The geochemistry of Archaean plagioclase-rich granites as a marker of source enrichment and depth of melting. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2009, 100, 35-50.	0.3	38
81	Dolerites of the Woodlark Basin (Papuan Peninsula, New Guinea): A geochemical record of the influence of a neighbouring subduction zone. Journal of Asian Earth Sciences, 2008, 33, 139-154.	2.3	5
82	The Late Archean Abitibi-Opatica terrane, Superior Province: A modified oceanic plateau. , 2008, , 173-197.		11
83	Chapter 5.7 Metamorphism in the Barberton Granite Greenstone Terrain: A Record of Paleoarchean Accretion. Neoproterozoic-Cambrian Tectonics, Global Change and Evolution: A Focus on South Western Gondwana, 2007, , 669-698.	0.2	13
84	Chapter 5.6 TTG Plutons of the Barberton Granitoid-Greenstone Terrain, South Africa. Neoproterozoic-Cambrian Tectonics, Global Change and Evolution: A Focus on South Western Gondwana, 2007, , 607-667.	0.2	57
85	THE ROLE OF CRUSTAL ANATEXIS AND MANTLE-DERIVED MAGMAS IN THE GENESIS OF SYNOROGENIC HERCYNIAN GRANITES OF THE LIVRADOIS AREA, FRENCH MASSIF CENTRAL. Canadian Mineralogist, 2007, 45, 581-606.	1.0	39
86	Selective peritectic garnet entrainment as the origin of geochemical diversity in S-type granites. Geology, 2007, 35, 9.	4.4	313
87	Experimental constraints on TTG petrogenesis: Implications for Archean geodynamics. Geophysical Monograph Series, 2006, , 149-175.	0.1	113
88	Record of mid-Archaean subduction from metamorphism in the Barberton terrain, South Africa. Nature, 2006, 442, 559-562.	27.8	228
89	An overview of adakite, tonaliteâ€"trondhjemiteâ€"granodiorite (TTG), and sanukitoid: relationships and some implications for crustal evolution. Lithos, 2005, 79, 1-24.	1.4	2,254
90	Mantle wedge involvement in the petrogenesis of Archaean grey gneisses in West Greenland. Lithos, 2005, 79, 207-228.	1.4	86

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91	Syntectonic granite emplacement at different structural levels: the Closepet granite, South India. Journal of Structural Geology, 2003, 25, 611-631.	2.3	104
92	Late Archaean granites: a typology based on the Dharwar Craton (India). Precambrian Research, 2003, 127, 103-123.	2.7	342
93	Secular changes in tonalite-trondhjemite-granodiorite composition as markers of the progressive cooling of Earth. Geology, 2002, 30, 319.	4.4	394
94	Multi-element geochemical modelling of crustâ€"mantle interactions during late-Archaean crustal growth: the Closepet granite (South India). Precambrian Research, 2001, 112, 87-105.	2.7	199
95	Contrasted granite emplacement modes within an oblique crustal section: the Closepet Granite, South India. Physics and Chemistry of the Earth, 2001, 26, 295-301.	0.6	17
96	Late Archaean (2550â€"2520 Ma) juvenile magmatism in the Eastern Dharwar craton, southern India: constraints from geochronology, Ndâ€"Sr isotopes and whole rock geochemistry. Precambrian Research, 2000, 99, 225-254.	2.7	482
97	Archaean granitoids: classification, petrology, geochemistry and origin. Geological Society Special Publication, 0, , SP490-2018-34.	1.3	3
98	Metasediment-derived melts in subduction zone magmas and their influence on crustal evolution. Journal of Petrology, 0, , .	2.8	5