Arnaud Villaros

List of Publications by Year
in descending order

23 papers	1,774 citations	361413 20 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	1179 citing authors

#	Article	IF	Citations
1	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
2	Crustal melting vs. fractionation of basaltic magmas: Part 1, granites and paradigms. Lithos, 2021, 402-403, 106291.	1.4	43
3	Rare elements enrichment in crustal peraluminous magmas: insights from partial melting experiments. Contributions To Mineralogy and Petrology, 2021, 176, 1.	3.1	22
4	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
5	Mica-liquid trace elements partitioning and the granite-pegmatite connection: The St-Sylvestre complex (Western French Massif Central). Chemical Geology, 2019, 528, 119265.	3.3	33
6	Melting conditions in the modern Tibetan crust since the Miocene. Nature Communications, 2018, 9, 3515.	12.8	31
7	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
8	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
9	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
10	How do granitoid magmas mix with each other? Insights from textures, trace element and Srâ€"Nd isotopic composition of apatite and titanite from the Matok pluton (South Africa). Contributions To Mineralogy and Petrology, 2017, 172, 1.	3.1	62
11	Post-orogenic shoshonitic magmas of the Yzerfontein pluton, South Africa: the â€˜smoking gunâ€™ of mantle melting and crustal growth during Cape granite genesis?. Contributions To Mineralogy and Petrology, 2017, 172, 1.	3.1	17
12	Collision vs. subduction-related magmatism: Two contrasting ways of granite formation and implications for crustal growth. Lithos, 2017, 277, 154-177.	1.4	233
13	The Influence of Redox State On Mica Crystallization In Leucogranitic and Pegmatitic Liquids. Canadian Mineralogist, 2016, 54, 559-581.	1.0	22
14	Post-collisional magmatism: Crustal growth not identified by zircon Hfâ€"O isotopes. Earth and Planetary Science Letters, 2016, 456, 182-195.	4.4	161
15	The genesis of LCT-type granitic pegmatites, as illustrated by lithium isotopes in micas. Chemical Geology, 2015, 411, 97-111.	3.3	57
16	Multiphase melting, magma emplacement and P-T-time path in late-collisional context: the Velay example (Massif Central, France). Bulletin - Societie Geologique De France, 2015, 186, 93-116.	2.2	34
17	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 ETQq1 1 0.784314 rgBT /Overlock 10	1.6	39
18	Relationships between deformation and magmatism in the Pan-African Kandi Shear Zone: Microstructural and AMS studies of Ediacaran granitoid intrusions in central BÃ©nin (West Africa). Journal of African Earth Sciences, 2014, 97, 143-160.	2.0	17

#	Article	IF	Citations
19	Multi-batch, incremental assembly of a dynamic magma chamber: the case of the Peninsula pluton granite (Cape Granite Suite, South Africa). Mineralogy and Petrology, 2012, 106, 193-216.	1.1	36
20	Isotopic variations in S-type granites: an inheritance from a heterogeneous source?. Contributions To Mineralogy and Petrology, 2012, 163, 243-257.	3.1	148
21	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
22	Tracking S-type granite from source to emplacement: Clues from garnet in the Cape Granite Suite. Lithos, 2009, 112, 217-235.	1.4	111
23	Selective peritectic garnet entrainment as the origin of geochemical diversity in S-type granites. Geology, 2007, 35, 9.	4.4	313