

Arnaud Villaros

List of Publications by Year in descending order

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Version: 2024-02-01

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	Selective peritectic garnet entrainment as the origin of geochemical diversity in S-type granites. <i>Geology</i> , 2007, 35, 9.	4.4	313
2	Collision vs. subduction-related magmatism: Two contrasting ways of granite formation and implications for crustal growth. <i>Lithos</i> , 2017, 277, 154-177.	1.4	233
3	Post-collisional magmatism: Crustal growth not identified by zircon Hf ¹⁸² O isotopes. <i>Earth and Planetary Science Letters</i> , 2016, 456, 182-195.	4.4	161
4	The trace element compositions of S-type granites: evidence for disequilibrium melting and accessory phase entrainment in the source. <i>Contributions To Mineralogy and Petrology</i> , 2009, 158, 543-561.	3.1	158
5	Isotopic variations in S-type granites: an inheritance from a heterogeneous source?. <i>Contributions To Mineralogy and Petrology</i> , 2012, 163, 243-257.	3.1	148
6	Tracking S-type granite from source to emplacement: Clues from garnet in the Cape Granite Suite. <i>Lithos</i> , 2009, 112, 217-235.	1.4	111
7	Protracted, coeval crust and mantle melting during Variscan late-orogenic evolution: U ²³⁸ Pb dating in the eastern French Massif Central. <i>International Journal of Earth Sciences</i> , 2017, 106, 421-451.	1.8	89
8	How do granitoid magmas mix with each other? Insights from textures, trace element and Sr ⁸⁷ Nd isotopic composition of apatite and titanite from the Matok pluton (South Africa). <i>Contributions To Mineralogy and Petrology</i> , 2017, 172, 1.	3.1	62
9	The genesis of LCT-type granitic pegmatites, as illustrated by lithium isotopes in micas. <i>Chemical Geology</i> , 2015, 411, 97-111.	3.3	57
10	Pre-Cadomian to late-Variscan odyssey of the eastern Massif Central, France: Formation of the West European crust in a nutshell. <i>Gondwana Research</i> , 2017, 46, 170-190.	6.0	53
11	Flow of partially molten crust controlling construction, growth and collapse of the Variscan orogenic belt: the geologic record of the French Massif Central. <i>Bulletin - Societe Geologique De France</i> , 2020, 191, 25.	2.2	49
12	Crustal melting vs. fractionation of basaltic magmas: Part 1, granites and paradigms. <i>Lithos</i> , 2021, 402-403, 106291.	1.4	43
13	Temporal relationships between Mg-K mafic magmatism and catastrophic melting of the Variscan crust in the southern part of Velay Complex (Massif Central, France). <i>Journal of Geosciences (Czech)</i> 10.17843/jgsc/10.1.19.010	1.0	1
14	Multi-batch, incremental assembly of a dynamic magma chamber: the case of the Peninsula pluton granite (Cape Granite Suite, South Africa). <i>Mineralogy and Petrology</i> , 2012, 106, 193-216.	1.1	36
15	Multiphase melting, magma emplacement and P-T-time path in late-collisional context: the Velay example (Massif Central, France). <i>Bulletin - Societe Geologique De France</i> , 2015, 186, 93-116.	2.2	34
16	Mica-liquid trace elements partitioning and the granite-pegmatite connection: The St-Sylvestre complex (Western French Massif Central). <i>Chemical Geology</i> , 2019, 528, 119265.	3.3	33
17	Plutons and domes: the consequences of anatectic magma extraction—example from the southeastern French Massif Central. <i>International Journal of Earth Sciences</i> , 2018, 107, 2819-2842.	1.8	32
18	Melting conditions in the modern Tibetan crust since the Miocene. <i>Nature Communications</i> , 2018, 9, 3515.	12.8	31

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19	The Influence of Redox State On Mica Crystallization In Leucogranitic and Pegmatitic Liquids. Canadian Mineralogist, 2016, 54, 559-581.	1.0	22
20	Rare elements enrichment in crustal peraluminous magmas: insights from partial melting experiments. Contributions To Mineralogy and Petrology, 2021, 176, 1.	3.1	22
21	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
22	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
23	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