

Philippe Goncalves

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,900
citations

218677

26
h-index

254184

43
g-index

50
all docs

50
docs citations

50
times ranked

1487
citing authors

#	ARTICLE	IF	CITATIONS
1	Exhumation of deep continental crust in a transpressive regime: The example of Variscan eclogites from the Aiguilles-Rouges massif (Western Alps). <i>Journal of Metamorphic Geology</i> , 2022, 40, 1087-1120.	3.4	12
2	On the petrology and microstructures of small-scale ductile shear zones in granitoid rocks: An overview. <i>Journal of Structural Geology</i> , 2022, 161, 104667.	2.3	6
3	Monazite as a monitor of shear strain in orogenic crust. <i>Journal of Structural Geology</i> , 2022, 161, 104672.	2.3	7
4	The Samaleu mafic-ultramafic intrusion (western Ivory Coast): cumulate of a high-Mg basaltic magma with (coeval) ultrahigh-temperature-medium-pressure metamorphism. <i>Geological Society Special Publication</i> , 2021, 502, 251-282.	1.3	4
5	Garnet as a monitor for melt-rock interaction: Textural, mineralogical, and compositional evidence of partial melting and melt-driven metasomatism. <i>Journal of Metamorphic Geology</i> , 2021, 39, 617-648.	3.4	8
6	A multiparametric study on the dissolution of synthetic brannerite. <i>Npj Materials Degradation</i> , 2021, 5, .	5.8	5
7	Seismic properties across an amphibolite- to greenschist-facies strain gradient (Neves area, eastern Tj ETQq1 1 0.784314 rgBT /Overl	2.2	1
8	Rheological behavior of high temperature garnet-bearing migmatites: The Khondalite Belt example (North China Craton). <i>Journal of Structural Geology</i> , 2020, 131, 103910.	2.3	3
9	Kinematics, deformation partitioning and late Variscan magmatism in the Agly massif, Eastern Pyrenees, France. <i>Bulletin - Societe Geologique De France</i> , 2020, 191, 15.	2.2	6
10	Contribution of magmatism, partial melting buffering and localized crustal thinning on the late Variscan thermal structure of the Agly massif (French Pyrenees). <i>Journal of Metamorphic Geology</i> , 2020, 38, 799-829.	3.4	7
11	Temperature, fluid content and rheology of localized ductile shear zones in subsolidus cooling plutons. <i>Journal of Metamorphic Geology</i> , 2020, 38, 881-903.	3.4	14
12	Geochemical fingerprints of brannerite (U ₂ O ₆): an integrated study. <i>Mineralogical Magazine</i> , 2020, 84, 313-334.	1.4	8
13	On the petrology of brittle precursors of shear zones – An expression of concomitant brittle deformation and fluid-rock interactions in the “ductile” continental crust?. <i>Journal of Metamorphic Geology</i> , 2019, 37, 1129-1149.	3.4	15
14	Metamorphic geology: progress and perspectives. <i>Geological Society Special Publication</i> , 2019, 478, 1-12.	1.3	6
15	Direct synthesis of pure brannerite U ₂ O ₆ . <i>Journal of Nuclear Materials</i> , 2019, 515, 401-406.	2.7	12
16	Ultra-high temperature metamorphism recorded in Fe-rich olivine-bearing migmatite from the Khondalite Belt, North China Craton. <i>Journal of Metamorphic Geology</i> , 2018, 36, 343-368.	3.4	29
17	Geochronological constraints on the trans-Hudsonian tectono-metamorphic evolution of the pre-Athabasca basement within the Wollaston-Mudjatik Transition Zone, Saskatchewan. <i>Precambrian Research</i> , 2017, 301, 152-178.	2.7	28
18	Comment on “Evolution of high-pressure mafic granulites and pelitic gneisses from NE Madagascar: Tectonic implications”. <i>Tectonophysics</i> , 662, 219-242 (2015) by Ishwar-Kumar et al.. <i>Tectonophysics</i> , 2017, 705, 116-121.	2.2	0

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19	Reply to J. Berger's comment on the article "Discovery of metamorphic microdiamonds from the parautochthonous units of the Variscan French Massif" by Thiery, V. et al., (2015), Gondwana Research 28, 954-960. Gondwana Research, 2016, 38, 372-374.	6.0	0
20	Tectono-metamorphic evolution of the pre-Athabasca basement within the Wollaston-Mudjatik Transition Zone, Saskatchewan. Canadian Journal of Earth Sciences, 2016, 53, 231-259.	1.3	26
21	How does shear zone nucleate? An example from the Suretta nappe (Swiss Eastern Alps). Journal of Structural Geology, 2016, 86, 166-180.	2.3	42
22	Tectono-metamorphic evolution of the internal zone of the Pan-African Lufilian orogenic belt (Zambia): Implications for crustal reworking and syn-orogenic uranium mineralizations. Lithos, 2016, 240-243, 167-188.	1.4	27
23	Strain partitioning along the anatectic front in the Variscan Montagne Noire massif (southern) Tj ETQq1 1 0.784314 rgBT / Overlock 10	2.8	26
24	Monazite as a monitor of melting, garnet growth and feldspar recrystallization in continental lower crust. Journal of Metamorphic Geology, 2015, 33, 735-762.	3.4	89
25	The geological roots of South America: 4.1 Ga and 3.7 Ga zircon crystals discovered in N.E. Brazil and N.W. Argentina. Precambrian Research, 2015, 271, 49-55.	2.7	50
26	The Samapleu mafic-ultramafic intrusion and its Ni-Cu-PGE mineralization: an Eburnean (2.09 Ga) feeder dyke to the Yacouba layered complex (Man Archean craton, western Ivory Coast). Bulletin - Societe Geologique De France, 2014, 185, 393-411.	2.2	23
27	Mid-crustal shear zone formation in granitic rocks: Constraints from quantitative textural and crystallographic preferred orientations analyses. Tectonophysics, 2014, 612-613, 63-80.	2.2	60
28	Metamorphic and geochronological study of the Triassic El Oro metamorphic complex, Ecuador: Implications for high-temperature metamorphism in a forearc zone. Lithos, 2013, 156-159, 41-68.	1.4	32
29	Thermodynamic Modeling and Thermobarometry of Metasomatized Rocks. Lecture Notes in Earth System Sciences, 2013, , 53-91.	0.6	10
30	Role of chemical processes on shear zone formation: an example from the Grimsel metagranodiorite (Aar massif, Central Alps). Journal of Metamorphic Geology, 2012, 30, 703-722.	3.4	102
31	Neoproterozoic extension in the Greater Dharwar Craton: a reevaluation of the "Betsimisaraka suture" in Madagascar This article is one of a series of papers published in this Special Issue on the theme of "Geochronology" in honour of Tom Krogh.. Canadian Journal of Earth Sciences, 2011, 48, 389-417.	1.3	88
32	Preservation of Permian allanite within an Alpine eclogite facies shear zone at Mt Mucrone, Italy: Mechanical and chemical behavior of allanite during mylonitization. Lithos, 2011, 125, 40-50.	1.4	52
33	Dating low-temperature deformation by $^{40}\text{Ar}/^{39}\text{Ar}$ on white mica, insights from the Argentera-Mercantour Massif (SW Alps). Lithos, 2011, 125, 521-536.	1.4	91
34	Behavior of trace elements in relation to $^{147}\text{Sm}/^{143}\text{Nd}$ and $^{176}\text{Lu}/^{177}\text{Yb}$ geochronometers during metamorphic dehydration-hydration in the HP domain of Vardalsneset, Western Gneiss Region, Norway. Contributions To Mineralogy and Petrology, 2010, 159, 437-458.	3.1	17
35	Role of plagioclase and reaction softening in a metagranite shear zone at mid-crustal conditions (Gotthard Massif, Swiss Central Alps). Journal of Metamorphic Geology, 2010, 28, 849-871.	3.4	75
36	Subhorizontal fabric in exhumed continental lower crust and implications for lower crustal flow: Athabasca granulite terrane, western Canadian Shield. Tectonics, 2010, 29, n/a-n/a.	2.8	50

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37	Petrological evolution of silica-undersaturated sapphirine-bearing granulite in the Paleoproterozoic Salvadorê“CuraÃ§Ã; Belt, Bahia, Brazil. <i>Gondwana Research</i> , 2009, 15, 49-70.	6.0	34
38	Large calcite and bulk-rock volume loss in metacarbonate xenoliths from the QuÃ©rigut massif (French) Tj ETQq0 0 0 rgBT /Overlock 10	3.1	10
39	The role of heterogeneous strain in the development and preservation of a polymetamorphic record in high- <i>P</i> granulites, western Canadian Shield. <i>Journal of Metamorphic Geology</i> , 2008, 26, 669-694.	3.4	50
40	Formation of eclogite, and reaction during exhumation to mid-crustal levels, Snowbird tectonic zone, western Canadian Shield. <i>Journal of Metamorphic Geology</i> , 2007, 25, 953-974.	3.4	70
41	Format and philosophy for collecting, compiling, and reporting microprobe monazite ages. <i>Chemical Geology</i> , 2006, 225, 1-15.	3.3	167
42	Dating metamorphic reactions and fluid flow: application to exhumation of high- <i>P</i> granulites in a crustal-scale shear zone, western Canadian Shield. <i>Journal of Metamorphic Geology</i> , 2006, 24, 193-217.	3.4	161
43	Two contrasted P-T-time paths of coronitic metanorites of the French Massif Central: are reaction textures reliable guides to metamorphic histories?. <i>Journal of Metamorphic Geology</i> , 2005, 23, 97-105.	3.4	12
44	Electron-microprobe age mapping of monazite. <i>American Mineralogist</i> , 2005, 90, 578-585.	1.9	67
45	Petrology and in situ U-Th-Pb Monazite Geochronology of Ultrahigh-Temperature Metamorphism from the Andriamena Mafic Unit, North-Central Madagascar. Significance of a Petrographical P-T Path in a Polymetamorphic Context. <i>Journal of Petrology</i> , 2004, 45, 1923-1957.	2.8	80
46	Micro-drilling ID-TIMS U-Pb dating of single monazites: A new method to unravel complex poly-metamorphic evolutions. Application to the UHT granulites of Andriamena (North-Central) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 37	3.1	10
47	Transmission electron microscope study of polyphase and discordant monazites: Site-specific specimen preparation using the focused ion beam technique. <i>Geology</i> , 2003, 31, 973.	4.4	97
48	Finite strain pattern in Andriamena unit (north-central Madagascar): evidence for late Neoproterozoicê“Cambrian thrusting during continental convergence. <i>Precambrian Research</i> , 2003, 123, 135-157.	2.7	43
49	Thrusting and sinistral wrenching in a pre-Eocene HP-LT Caribbean accretionary wedge (SamanÃ; Tj ETQq1 1 0.784314 rgBT /Overlock 15	2.2	15
50	Le pointement de pÃ©ridotite Ã grenat-spinelle de La Croix-Valmer (Maures centrales): un cumulat d'affinitÃ© ocÃ©anique impliquÃ© dans la subduction Ã©ohercynienne ?. <i>Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ©tes</i> =, 1998, 326, 473-477.	0.2	3