

Olivier Bruguier

List of Publications by Year in descending order

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77
papers

2,899
citations

147566
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182168
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all docs

77
docs citations

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times ranked

2512
citing authors

#	ARTICLE	IF	CITATIONS
1	Palaeoproterozoic arc magmatism and collision in Liaodong Peninsula (north-east China). <i>Terra Nova</i> , 2004, 16, 75-80.	0.9	204
2	Calcification rate influence on trace element concentrations in aragonitic bivalve shells: Evidences and mechanisms. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4906-4920.	1.6	203
3	Origin of Pyroxenite-Peridotite Veined Mantle by Refertilization Reactions: Evidence from the Ronda Peridotite (Southern Spain). <i>Journal of Petrology</i> , 2008, 49, 999-1025.	1.1	180
4	Geochemical and petrographic evidence for magmatic impregnation in the oceanic lithosphere at Atlantis Massif, Mid-Atlantic Ridge (IODP Hole U1309D, 30°N). <i>Chemical Geology</i> , 2009, 264, 71-88.	1.4	134
5	Timing of crust formation, deposition of supracrustal sequences, and Transamazonian and Brasiliano metamorphism in the East Pernambuco belt (Borborema Province, NE Brazil): Implications for western Gondwana assembly. <i>Precambrian Research</i> , 2006, 149, 197-216.	1.2	127
6	Geochemical Architecture of the Lower- to Middle-crustal Section of a Paleo-island Arc (Kohistan) Subduction Zone. <i>Journal of Petrology</i> , 2009, 50, 531-569.	1.1	96
7	Late Ediacaran geological evolution (575-555Ma) of the Djanet Terrane, Eastern Hoggar, Algeria, evidence for a Murzukian intracontinental episode. <i>Precambrian Research</i> , 2010, 180, 299-327.	1.2	90
8	Selecting statistical models and variable combinations for optimal classification using otolith microchemistry. , 2011, 21, 1352-1364.		89
9	Origin of the island arc Moho transition zone via melt-rock reaction and its implications for intracrustal differentiation of island arcs: Evidence from the Jijal complex (Kohistan complex).		
10	Building an island-arc crustal section: Time constraints from a LA-ICP-MS zircon study. <i>Earth and Planetary Science Letters</i> , 2011, 309, 268-279.	1.8	68
11	New occurrence of UHP eclogites in Limousin (French Massif Central): Age, tectonic setting and fluid-rock interactions. <i>Lithos</i> , 2010, 118, 365-382.	0.6	66
12	The Pan-African Kekem gabbro-norite (West-Cameroon), U-Pb zircon age, geochemistry and Sr-Nd isotopes: Geodynamical implication for the evolution of the Central African fold belt. <i>Journal of African Earth Sciences</i> , 2013, 84, 70-88.	0.9	64
13	The age distributions of detrital zircons in metasedimentary sequences in eastern Borborema Province (NE Brazil): Evidence for intracontinental sedimentation and orogenesis?. <i>Precambrian Research</i> , 2009, 175, 187-205.	1.2	60
14	Lower crust exhumation during Paleoproterozoic (Eburnean) orogeny, NW Ghana, West African Craton: Interplay of coeval contractional deformation and extensional gravitational collapse. <i>Precambrian Research</i> , 2016, 274, 82-109.	1.2	58
15	Paleoproterozoic juvenile crust formation and stabilisation in the south-eastern West African Craton (Ghana); New insights from U-Pb-Hf zircon data and geochemistry. <i>Precambrian Research</i> , 2016, 287, 1-30.	1.2	54
16	The Tachakouht-Iriri-Tourtit arc complex (Moroccan Anti-Atlas): Neoproterozoic records of polyphased subduction-accretion dynamics during the Pan-African orogeny. <i>Journal of Geodynamics</i> , 2016, 96, 81-103.	0.7	50
17	The geochronological evolution of the Paleoproterozoic Baoulé-Mossi domain of the Southern West African Craton. <i>Precambrian Research</i> , 2017, 300, 1-27.	1.2	49
18	Evolution of an Archean Metamorphic Belt: A Conventional and SHRIMP U-Pb Study of Accessory Minerals from the Jimperding Metamorphic Belt, Yilgarn Craton, West Australia. <i>Journal of Geology</i> , 1996, 104, 695-711.	0.7	47

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19	U–Pb ages of plutonic and metaplutonic rocks in southern Borborema Province (NE Brazil): Timing of Brasiliano deformation and magmatism. <i>Journal of South American Earth Sciences</i> , 2008, 25, 285-297.	0.6	44
20	From extension to shortening: Dating the onset of the Brasiliano Orogeny in eastern Borborema Province (NE Brazil). <i>Journal of South American Earth Sciences</i> , 2015, 58, 238-256.	0.6	44
21	Age, provenance and post-deposition metamorphic overprint of detrital zircons from the Nathorst Land group (NE Greenland) – A LA-ICP-MS and SIMS study. <i>Precambrian Research</i> , 2007, 155, 24-46.	1.2	43
22	Conflicting structural and geochronological data from the Ibituruna quartz-syenite (SE Brazil): Effect of protracted orogeny and slow cooling rate?. <i>Tectonophysics</i> , 2009, 477, 174-196.	0.9	43
23	Geochronological, thermochronological and thermobarometric constraints on deformation, magmatism and thermal regimes in eastern Borborema Province (NE Brazil). <i>Journal of South American Earth Sciences</i> , 2012, 38, 129-146.	0.6	43
24	Comprehensive REE+Y and sensitive redox trace elements of Algerian phosphorites (Tâ€šbessa, eastern Hoggar). <i>Exploration</i> , 2020, 208, 106396.	1.5	42
25	Continental subduction recorded by Neoproterozoic eclogite and garnet amphibolites from Western Hoggar (Tassendjanet terrane, Tuareg Shield, Algeria). <i>Precambrian Research</i> , 2014, 247, 139-158.	1.2	39
26	Monazite in situ 207Pb/206Pb geochronology using a small geometry high-resolution ion probe. Application to Archaean and Proterozoic rocks. <i>Chemical Geology</i> , 2002, 184, 151-165.	1.4	38
27	A 17 Ma onset for the post-collisional K-rich calc-alkaline magmatism in the Maghrebides: Evidence from Bougaroun (northeastern Algeria) and geodynamic implications. <i>Tectonophysics</i> , 2016, 674, 114-134.	0.9	38
28	Glauconite-bearing sedimentary phosphorites from the Tâ€šbessa region (eastern Algeria): Evidence of REE enrichment and geochemical constraints on their origin. <i>Journal of African Earth Sciences</i> , 2018, 145, 190-200.	0.9	38
29	Record of a Palaeogene syn-collisional extension in the north Aegean region: evidence from the Kemer micaschists (NW Turkey). <i>Geological Magazine</i> , 2007, 144, 393-400.	0.9	35
30	The Late Neoproterozoic/Early Palaeozoic evolution of the West Congo Belt of NW Angola: geochronological (U–Pb and Ar–Ar) and petrostructural constraints. <i>Terra Nova</i> , 2012, 24, 238-247.	0.9	34
31	Complex, 3D strain patterns in a synkinematic tonalite batholith from the Araçuaia-Neoproterozoic orogen (Eastern Brazil): Evidence from combined magnetic and isotopic chronology studies. <i>Journal of Structural Geology</i> , 2012, 39, 158-179.	1.0	33
32	Evaluation of Pb-Pb and U-Pb Laser Ablation ICP-MS Zircon Dating using Matrix-Matched Calibration Samples with a Frequency Quadrupled (266 nm) Nd-YAG Laser. <i>Geostandards and Geoanalytical Research</i> , 2001, 25, 361-373.	1.7	31
33	Geochronology and metamorphic P-T-X evolution of the Eburnean granulite-facies metapelites of Tidjenouine (Central Hoggar, Algeria): witness of the LATEA metacratonic evolution. <i>Geological Society Special Publication</i> , 2008, 297, 111-146.	0.8	31
34	Age of UHP metamorphism in the Western Mediterranean: Insight from rutile and minute zircon inclusions in a diamond-bearing garnet megacryst (Edough Massif, NE Algeria). <i>Earth and Planetary Science Letters</i> , 2017, 474, 215-225.	1.8	30
35	Geometry, kinematics and geochronology of the Sertão Complex (central Borborema Province, NE Brazil) assembly. <i>Precambrian Research</i> , 2017, 298, 552-571.	1.2	29
36	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.	1.6	29

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37	Discovery of an albite gneiss from the Ile de Groix (Armorican Massif, France): geochemistry and LA-ICP-MS U-Pb geochronology of its Ordovician protolith. <i>International Journal of Earth Sciences</i> , 2012, 101, 1169-1190.	0.9	24
38	The transition zone between the Pernambuco-Alagoas Domain and the Sergipano Belt (Borborema): Overlooked metamorphism of metasedimentary rocks. <i>Journal of South American Earth Sciences</i> , 2016, 72, 266-278.	0.6	24
39	Preliminary Data of REE in Algerian Phosphorites: A Comparative Study and Paleo-redox Insights. <i>Procedia Engineering</i> , 2016, 138, 19-29.	1.2	24
40	Sadiola Hill: A World-Class Carbonate-Hosted Gold Deposit in Mali, West Africa. <i>Economic Geology</i> , 2017, 112, 23-47.	1.8	23
41	Arsenic and metallic trace elements cycling in the surface water-groundwater-soil continuum down-gradient from a reclaimed mine area: Isotopic imprints. <i>Journal of Hydrology</i> , 2018, 558, 341-355.	2.3	23
42	Orogenic development of the Adrar des Iforas (Tuareg Shield, NE Mali): New geochemical and geochronological data and geodynamic implications. <i>Journal of Geodynamics</i> , 2016, 96, 104-130.	0.7	22
43	Structural, metamorphic and geochronological insights on the Variscan evolution of the Alpine basement in the Belledonne Massif (France). <i>Tectonophysics</i> , 2018, 726, 14-42.	0.9	22
44	The fast evolution of a crustal hot zone at the end of a transpressional regime: The Saint-Tropez peninsula granites and related dykes (Maures Massif, SE France). <i>Lithos</i> , 2013, 162-163, 195-220.	0.6	20
45	Evidence for Early Tonian (Ca. 1000-940 Ma) continental rifting in southern Borborema Province (NE Brazil). <i>International Geology Review</i> , 2021, 63, 851-865.	1.1	20
46	Metamorphic diamonds in a garnet megacryst from the Edough Massif (northeastern Algeria). Recognition and geodynamic consequences. <i>Tectonophysics</i> , 2014, 637, 341-353.	0.9	19
47	Long-lived localized magmatism in central-eastern part of the Pernambuco-Alagoas Domain, Borborema Province (NE Brazil): Implications for tectonic setting, heat sources, and lithospheric reworking. <i>Precambrian Research</i> , 2020, 337, 105559.	1.2	19
48	Tracking geothermal anomalies along a crustal fault using U-Th-He apatite thermochronology and rare-earth element (REE) analyses: the example of the Tâ fault (Pyrenees, France). <i>Solid Earth</i> , 2020, 11, 1747-1771.	1.2	19
49	U-Pb single zircon grain dating of Present fluvial and Cenozoic aeolian sediments from Gabon: consequences on sediment provenance, reworking, and erosion processes on the equatorial West African margin. <i>Bulletin - Societie Geologique De France</i> , 2008, 179, 29-40.	0.9	18
50	Lichens Used as Monitors of Atmospheric Pollution Around Agadir (Southwestern Morocco): A Case Study Predating Lead-Free Gasoline. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 1263-1274.	1.1	17
51	Origin and significance of poikilitic and mosaic peridotite xenoliths in the western Pannonian Basin: geochemical and petrological evidences. <i>Contributions To Mineralogy and Petrology</i> , 2014, 168, 1.	1.2	17
52	Geochemical study (major, trace elements and Pb-Sr-Nd isotopes) of mantle material obducted onto the North African margin (Edough Massif, North Eastern Algeria): Tethys fragments or lost remnants of the Liguro-Provençal basin?. <i>Tectonophysics</i> , 2014, 626, 53-68.	0.9	17
53	LA-ICP-MS dating of detrital zircon grains from the Cretaceous allochthonous bauxites of Languedoc (south of France): Provenance and geodynamic consequences. <i>Basin Research</i> , 2021, 33, 270-290.	1.3	17
54	Permo-Carboniferous and early Miocene geological evolution of the internal zones of the Maghrebides: New insights on the western Mediterranean evolution. <i>Journal of Geodynamics</i> , 2016, 96, 146-173.	0.7	15

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55	Relief variation and erosion of the Variscan belt: detrital geochronology of the Palaeozoic sediments from the Mauges Unit (Armorican Massif, France). Geological Society Special Publication, 2014, 405, 137-167.	0.8	13
56	Mapping a geothermal anomaly using apatite (U ⁴⁰ Th)/He thermochronology in the T ³ t fault damage zone, eastern Pyrenees, France. Terra Nova, 2019, 31, 569-576.	0.9	13
57	Geochronological, geochemical and petrographic constraints on the Paleoproterozoic Tocantinzinho gold deposit (Tapajos Gold Province, Amazonian Craton - Brazil): Implications for timing, regional evolution and deformation style of its host rocks. Journal of South American Earth Sciences, 2017, 75, 92-115.	0.6	12
58	Geochemistry and geochronology of orthogneisses across a major transcurrent shear zone (East) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 0 South American Earth Sciences, 2019, 91, 285-301.	0.6	12
59	Structural, mineralogical, geochemical and geochronological constraints on ore genesis of the gold-only Tocantinzinho deposit (Para State, Brazil). Ore Geology Reviews, 2018, 102, 154-194.	1.1	11
60	The Passa Tr ³ s lode gold deposit (Paran ³ State, Brazil): An example of structurally-controlled mineralisation formed during magmatic-hydrothermal transition and hosted within granite. Ore Geology Reviews, 2018, 102, 701-727.	1.1	10
61	Intrusion-related affinity and orogenic gold overprint at the Paleoproterozoic Bonikro Au ⁴⁰ (Mo) deposit (C ³ te d ³ ivoire, West African Craton). Mineralium Deposita, 2019, , 1.	1.7	10
62	U-Pb Silurian age for a gabbro of the Platinum-bearing belt of the Middle Urals (Russia): evidence for beginning of closure of the Uralian Ocean. Geological Society Memoir, 2006, 32, 443-448.	0.9	9
63	Pressure-temperature conditions and significance of Upper Devonian eclogite and amphibolite facies metamorphisms in southern French Massif central. Bulletin - Societie Geologique De France, 2020, 191, 28.	0.9	9
64	870-850 Ma-old magmatic event in eastern Borborema Province, NE Brazil: Another Tonian failed attempt to break up the S ³ o Francisco Paleoplate?. Journal of South American Earth Sciences, 2021, 105, 102917.	0.6	8
65	Petrology and geochronology of the high-K calc-alkaline M ³ sanger magmatism (Armorican massif,) Tj ETQq1 1 0.784314 rgBT /Over 182, 467-477.	0.9	7
66	Petrological, geochemical and isotopic characteristics of the Collo ultramafic rocks (NE Algeria). Journal of African Earth Sciences, 2017, 125, 59-72.	0.9	7
67	Evolution of a Shallow Volcanic Arc Pluton During Arc Migration: A Tectono ³ Thermal Integrated Study of the St. Martin Granodiorites (Northern Lesser Antilles). Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009627.	1.0	7
68	A subducted Neoproterozoic rift assemblage: The Egere Group (central Hoggar, Algeria). Journal of African Earth Sciences, 2018, 147, 544-553.	0.9	5
69	An Early-Cambrian U ⁴⁰ -Pb apatite cooling age for the high-temperature regional metamorphism in the Pianc ³ area, Borborema Province (NE Brazil): initial conclusions. Comptes Rendus - Geoscience, 2003, 335, 1081-1089.	0.4	4
70	The Macurur ³ Complex (Sergipano Belt, NE Brazil) in southern Alagoas state: Geology and geochronology. Journal of the Geological Survey of Brazil, 2019, 2, 17-25.	0.1	4
71	Reworking of intra-oceanic rocks in a deep sea basin: example from the Bou-Maiza complex (Edough) Tj ETQq1 1 0.784314 rgBT /Over 1.1 5	1.1	5
72	Vestiges of a fore-arc oceanic crust in the Western Mediterranean: Geochemical constraints from North-East Algeria. Lithos, 2020, 370-371, 105649.	0.6	3

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73	Syn-kinematic emplacement of granitic batholith and leucogranite along the extensional detachment shear zone system of the Tin Begane area, Laouni terrane (LATEA metacraton, Central Hoggar, Algeria). <i>Precambrian Research</i> , 2022, 368, 106484.	1.2	3
74	Protracted (>60 Myrs) thermal evolution of a Neoproterozoic metasedimentary sequence from eastern Borborema Province (NE Brazil): Thermal and rheological implications for orogenic development. <i>Precambrian Research</i> , 2022, 377, 106709.	1.2	3
75	Arc-related high-K magmatism in the Ceuta Peninsula (Internal Rif, Spain): discovery and consequences. <i>Geological Magazine</i> , 2019, 156, 1385-1399.	0.9	0
76	Étude pétrographique et géochimique comparative du support en mortier de deux tables à marqueterie de pierres. <i>ArcheoSciences</i> , 2006, , 81-88.	0.1	0
77	The Passa Três Granite Intrusion-Related/Hosted Neoproterozoic Gold Deposit (Paraná State, Brazil): Mineralogical, Geochemical, Fluid Inclusion and Sulphur Isotope Constraints. <i>Minerals (Basel)</i> 11 0.784314. https://doi.org/10.3390/min11070843	0.784314	10