

Olivier Bruguier

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papers

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46
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77
ext. papers

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ext. citations

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L-index

#	Paper	IF	Citations
77	Palaeoproterozoic arc magmatism and collision in Liaodong Peninsula (north-east China). <i>Terra Nova</i> , 2004 , 16, 75-80	3	177
76	Calcification rate influence on trace element concentrations in aragonitic bivalve shells: Evidences and mechanisms. <i>Geochimica Et Cosmochimica Acta</i> , 2006 , 70, 4906-4920	5.5	170
75	Origin of PyroxeniteâPeridotite Veined Mantle by Refertilization Reactions: Evidence from the Ronda Peridotite (Southern Spain). <i>Journal of Petrology</i> , 2008 , 49, 999-1025	3.9	150
74	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	3.9	107
73	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	4.2	104
72	Late Ediacaran geological evolution (575â55 Ma) of the Djanet Terrane, Eastern Hoggar, Algeria, evidence for a Murzukian intracontinental episode. <i>Precambrian Research</i> , 2010 , 180, 299-327	3.9	83
71	Geochemical Architecture of the Lower- to Middle-crustal Section of a Paleo-island Arc (Kohistan Complex, JijalâKamila Area, Northern Pakistan): Implications for the Evolution of an Oceanic Subduction Zone. <i>Journal of Petrology</i> , 2009 , 50, 531-569	3.9	78
70	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, northern Pakistan). <i>Geology</i> , 2007 , 35, 683	5	73
69	Selecting statistical models and variable combinations for optimal classification using otolith microchemistry 2011 , 21, 1352-64		72
68	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	5.3	59
67	New occurrence of UHP eclogites in Limousin (French Massif Central): Age, tectonic setting and fluidârock interactions. <i>Lithos</i> , 2010 , 118, 365-382	2.9	56
66	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	3.9	51
65	The Pan-African Kekem gabbro-norite (West-Cameroon), UâPb zircon age, geochemistry and SrâNd isotopes: Geodynamical implication for the evolution of the Central African fold belt. <i>Journal of African Earth Sciences</i> , 2013 , 84, 70-88	2.2	43
64	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	3.9	41
63	Age, provenance and post-deposition metamorphic overprint of detrital zircons from the Nathorst Land group (NE Greenland)â LA-ICP-MS and SIMS study. <i>Precambrian Research</i> , 2007 , 155, 24-46	3.9	39
62	The TachakouchtâTiriâTourtit 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	2.2	38
61	The geochronological evolution of the Paleoproterozoic BaoulâMossi domain of the Southern West African Craton. <i>Precambrian Research</i> , 2017 , 300, 1-27	3.9	38

60	Conflicting structural and geochronological data from the Ibituruna quartz-syenite (SE Brazil): Effect of protracted U-Pb orogeny and slow cooling rate?. <i>Tectonophysics</i> , 2009 , 477, 174-196	3.1	38
59	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	2	38
58	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	2	36
57	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	3.9	36
56	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	3.9	35
55	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	2	35
54	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	2	33
53	Monazite U-Pb geochronology using a small geometry high-resolution ion probe. Application to Archean and Proterozoic rocks. <i>Chemical Geology</i> , 2002 , 184, 151-165	4.2	33
52	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	3	32
51	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	2	32
50	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	3.1	31
49	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	3	29
48	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	3.6	27
47	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	1.7	24
46	Geometry, kinematics and geochronology of the Sertão Complex (central Borborema Province, NE Brazil): Assessing the role of accretionary versus intraplate processes during West Gondwana assembly. <i>Precambrian Research</i> , 2017 , 298, 552-571	3.9	22
45	Glauconite-bearing sedimentary phosphorites from the Tébessa region (eastern Algeria): Evidence of REE enrichment and geochemical constraints on their origin. <i>Journal of African Earth Sciences</i> , 2018 , 145, 190-200	2.2	22
44	Sadiola Hill: A World-Class Carbonate-Hosted Gold Deposit in Mali, West Africa. <i>Economic Geology</i> , 2017 , 112, 23-47	4.3	21
43	The transition zone between the Pernambuco-Alagoas Domain and the Sergipano Belt (Borborema Province, NE Brazil): Geochronological constraints on the ages of deposition, tectonic setting and metamorphism of metasedimentary rocks. <i>Journal of South American Earth Sciences</i> , 2016 , 72, 266-278	2	20

42	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	4.4	20
41	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	2.2	19
40	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	2.2	18
39	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	5.3	18
38	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 - Societe Geologique De France</i> , 2008 , 179, 29-40	2.3	17
37	Comprehensive REE + Y and sensitive redox trace elements of Algerian phosphorites (Tbessa, eastern Algeria): A geochemical study and depositional environments tracking. <i>Journal of Geochemical Exploration</i> , 2020 , 208, 106396	3.8	17
36	Preliminary Data of REE in Algerian Phosphorites: A Comparative Study and Paleo-redox Insights. <i>Procedia Engineering</i> , 2016 , 138, 19-29		16
35	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	2.9	16
34	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	6	15
33	Metamorphic diamonds in a garnet megacryst from the Edough Massif (northeastern Algeria). Recognition and geodynamic consequences. <i>Tectonophysics</i> , 2014 , 637, 341-353	3.1	15
32	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	3.5	14
31	Geochemical study (major, trace elements and Pb-Br-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	3.1	14
30	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	3.1	13
29	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	3.9	13
28	Relief variation and erosion of the Variscan belt: detrital geochronology of the Palaeozoic sediments from the Mauges Unit (Armorican Massif, France). <i>Geological Society Special Publication</i> , 2014 , 405, 137-167	1.7	12
27	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	2.6	11
26	Geochemistry and geochronology of orthogneisses across a major transcurrent shear zone (East Pernambuco shear zone, Borborema Province, Northeast Brazil): Tectonic implications. <i>Journal of South American Earth Sciences</i> , 2019 , 91, 285-301	2	11
25	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. <i>Journal of South American Earth Sciences</i> , 2017 , 75, 93-115	2	10

24	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	2.2	10
23	Tracking geothermal anomalies along a crustal fault using (U-Th)/He apatite thermochronology and rare-earth element (REE) analyses: the example of the T ₁ fault (Pyrenees, France). <i>Solid Earth</i> , 2020 , 11, 1747-1771	3.3	9
22	Evidence for Early Tonian (Ca. 1000-940 Ma) continental rifting in southern Borborema Province (NE Brazil): tectonic inheritance and shear zone nucleation during assembly of West Gondwana. <i>International Geology Review</i> , 2021 , 63, 851-865	2.3	9
21	Structural, mineralogical, geochemical and geochronological constraints on ore genesis of the gold-only Tocantinzinho deposit (Para State, Brazil). <i>Ore Geology Reviews</i> , 2018 , 102, 154-194	3.2	8
20	Intrusion-related affinity and orogenic gold overprint at the Paleoproterozoic Bonikro Au-Mo deposit (Côte d'Ivoire, West African Craton). <i>Mineralium Deposita</i> , 2019 , 1	4.8	7
19	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. <i>Geological Society Memoir</i> , 2006 , 32, 443-448	0.4	7
18	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	3.3	7
17	Petrology and geochronology of the high-K calc-alkaline M ³ anger magmatism (Armorican massif, France): a ca. 320 Ma old volcano-plutonic association. <i>Bulletin - Societe Geologique De France</i> , 2011 , 182, 467-477	2.3	6
16	870-850 Ma-old magmatic event in eastern Borborema Province, NE Brazil: Another Tonian failed attempt to break up the São Francisco Paleoplate?. <i>Journal of South American Earth Sciences</i> , 2021 , 105, 102917	2	6
15	Mapping a geothermal anomaly using apatite (U-Th)/He thermochronology in the T ₁ fault damage zone, eastern Pyrenees, France. <i>Terra Nova</i> , 2019 , 31, 569-576	3	5
14	Petrological, geochemical and isotopic characteristics of the Collo ultramafic rocks (NE Algeria). <i>Journal of African Earth Sciences</i> , 2017 , 125, 59-72	2.2	5
13	Pressure-temperature conditions and significance of Upper Devonian eclogite and amphibolite facies metamorphisms in southern French Massif central. <i>Bulletin - Societe Geologique De France</i> , 2020 , 191, 28	2.3	5
12	A subducted Neoproterozoic rift assemblage: The Egere Group (central Hoggar, Algeria). <i>Journal of African Earth Sciences</i> , 2018 , 147, 544-553	2.2	4
11	An Early-Cambrian U-Pb apatite cooling age for the high-temperature regional metamorphism in the Piançãrea, Borborema Province (NE Brazil): initial conclusions. <i>Comptes Rendus - Geoscience</i> , 2003 , 335, 1081-1089	1.4	4
10	Vestiges of a fore-arc oceanic crust in the Western Mediterranean: Geochemical constraints from North-East Algeria. <i>Lithos</i> , 2020 , 370-371, 105649	2.9	3
9	The Macururí Complex (Sergipano Belt, NE Brazil) in southern Alagoas state: Geology and geochronology. <i>Journal of the Geological Survey of Brazil</i> , 2019 , 2, 17-25	1.6	3
8	The Passa Tr ³ lode gold deposit (Paraná State, Brazil): An example of structurally-controlled mineralisation formed during magmatic-hydrothermal transition and hosted within granite. <i>Ore Geology Reviews</i> , 2018 , 102, 701-727	3.2	3
7	Reworking of intra-oceanic rocks in a deep sea basin: example from the Bou-Maiza complex (Edough massif, eastern Algeria). <i>International Geology Review</i> , 2018 , 60, 464-478	2.3	2

6	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	3.9	0
5	Evolution of a Shallow Volcanic Arc Pluton During Arc Migration: A Tectono-Thermal Integrated Study of the St. Martin Granodiorites (Northern Lesser Antilles). <i>Geochemistry, Geophysics, Geosystems</i> , 2021 , 22, e2020GC009627	3.6	0
4	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	3.9	0
3	Étude pétrographique et géochimique comparative du support en mortier de deux tables de marqueterie de pierres. <i>ArcheoSciences</i> , 2006 , 81-88	0.1	
2	Arc-related high-K magmatism in the Ceuta Peninsula (Internal Rif, Spain): discovery and consequences. <i>Geological Magazine</i> , 2019 , 156, 1385-1399	2	
1	The Passa Trés Granite Intrusion-Related/Hosted Neoproterozoic Gold Deposit (Paraná State, Brazil): Mineralogical, Geochemical, Fluid Inclusion and Sulphur Isotope Constraints. <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 407	2.4	