

Carl Guilmette

List of Publications by Year in descending order

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papers

3,892
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394421

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42
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42
docs citations

42
times ranked

3196
citing authors

#	ARTICLE	IF	CITATIONS
1	The Lu-Hf and Sm-Nd isotopic composition of CHUR: Constraints from unequilibrated chondrites and implications for the bulk composition of terrestrial planets. <i>Earth and Planetary Science Letters</i> , 2008, 273, 48-57.	4.4	2,427
2	Forced subduction initiation recorded in the sole and crust of the Semail Ophiolite of Oman. <i>Nature Geoscience</i> , 2018, 11, 688-695.	12.9	153
3	Geochemistry and geochronology of the metamorphic sole underlying the Xigaze Ophiolite, Yarlung Zangbo Suture Zone, South Tibet. <i>Lithos</i> , 2009, 112, 149-162.	1.4	142
4	Forearc hyperextension dismembered the south Tibetan ophiolites. <i>Geology</i> , 2015, 43, 475-478.	4.4	129
5	Lower Cretaceous Xigaze ophiolites formed in the Gangdese forearc: Evidence from paleomagnetism, sediment provenance, and stratigraphy. <i>Earth and Planetary Science Letters</i> , 2015, 415, 142-153.	4.4	100
6	Dynamics of intraoceanic subduction initiation: 2. Suprasubduction zone ophiolite formation and metamorphic sole exhumation in context of absolute plate motions. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1771-1785.	2.5	97
7	Discovery of a dismembered metamorphic sole in the Saga ophiolitic mélange, South Tibet: Assessing an Early Cretaceous disruption of the Neo-Tethyan supra-subduction zone and consequences on basin closing. <i>Gondwana Research</i> , 2012, 22, 398-414.	6.0	95
8	Birth and demise of the Bangong-Nujiang Tethyan Ocean: A review from the Gerze area of central Tibet. <i>Earth-Science Reviews</i> , 2019, 198, 102907.	9.1	90
9	The subduction-accretion history of the Bangong-Nujiang Ocean: Constraints from provenance and geochronology of the Mesozoic strata near Gaize, central Tibet. <i>Tectonophysics</i> , 2017, 702, 42-60.	2.2	87
10	Metamorphic history and geodynamic significance of high-grade metabasites from the ophiolitic mélange beneath the Yarlung Zangbo ophiolites, Xigaze area, Tibet. <i>Journal of Asian Earth Sciences</i> , 2008, 32, 423-437.	2.3	66
11	Provenance of Mesozoic clastic rocks within the Bangong-Nujiang suture zone, central Tibet: Implications for the age of the initial Lhasa-Qiangtang collision. <i>Journal of Asian Earth Sciences</i> , 2017, 147, 469-484.	2.3	61
12	A record of plume-induced plate rotation triggering subduction initiation. <i>Nature Geoscience</i> , 2021, 14, 626-630.	12.9	50
13	Mica composition as a vector to gold mineralization: Deciphering hydrothermal and metamorphic effects in the Malartic district, Quebec. <i>Ore Geology Reviews</i> , 2018, 95, 789-820.	2.7	43
14	Kinematic and paleomagnetic restoration of the Semail ophiolite (Oman) reveals subduction initiation along an ancient Neotethyan fracture zone. <i>Earth and Planetary Science Letters</i> , 2019, 518, 183-196.	4.4	39
15	Timing and mechanism of Bangong-Nujiang ophiolite emplacement in the Gerze area of central Tibet. <i>Gondwana Research</i> , 2019, 71, 179-193.	6.0	37
16	Petrogenesis and implications for tectonic setting of Cambrian suprasubduction-zone ophiolitic rocks in the central Beishan orogenic collage, Northwest China. <i>Journal of Asian Earth Sciences</i> , 2015, 113, 369-390.	2.3	32
17	Miocene post-collisional shoshonites and their crustal xenoliths, Yarlung Zangbo Suture Zone southern Tibet: Geodynamic implications. <i>Gondwana Research</i> , 2014, 25, 1263-1271.	6.0	30
18	Structural setting for Canadian Malartic style of gold mineralization in the Pontiac Subprovince, south of the Cadillac Larder Lake Deformation Zone, Québec, Canada. <i>Ore Geology Reviews</i> , 2017, 84, 185-201.	2.7	30

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19	The Meteoritical Bulletin, No. 103. Meteoritics and Planetary Science, 2017, 52, 1014-1014.	1.6	27
20	¹⁴⁷ Sm- ¹⁴³ Nd and ¹⁷⁶ Lu- ¹⁷⁶ Hf systematics of eucrite and angrite meteorites. Meteoritics and Planetary Science, 2015, 50, 1896-1911.	1.6	20
21	The timing of prograde metamorphism in the Pontiac Subprovince, Superior craton; implications for Archean geodynamics and gold mineralization. Precambrian Research, 2019, 320, 111-136.	2.7	20
22	Provenance of Lower Cretaceous sedimentary rocks in the northern margin of the Lhasa terrane, Tibet: Implications for the timing of the Lhasa-Qiangtang collision. Journal of Asian Earth Sciences, 2020, 190, 104162.	2.3	17
23	Geodynamic significance of Neoproterozoic metasedimentary belts in the Superior Province: Detrital zircon U-Pb LA-ICP-MS geochronology of the Opinaca and La Grande subprovinces. Precambrian Research, 2020, 347, 105819.	2.7	13
24	Geochemistry of Mesoproterozoic felsic to ultramafic volcanic rocks of the Lac Guyer area, La Grande Subprovince (Canada): Evidence for plume-related magmatism in a rift setting. Precambrian Research, 2018, 316, 83-102.	2.7	11
25	Complete metamorphic cycle and long-lived anatexis in the c. 2.1 Ga Mistinibi Complex, Canada. Journal of Metamorphic Geology, 2020, 38, 235-264.	3.4	11
26	Contrasting P-T-t paths reveal a metamorphic discontinuity in the New Quebec Orogen: Insights into Paleoproterozoic orogenic processes. Precambrian Research, 2020, 342, 105675.	2.7	11
27	The Greater Himalayan Thrust Belt: Insight Into the Assembly of the Exhumed Himalayan Metamorphic Core, Modi Khola Valley, Central Nepal. Tectonics, 2020, 39, e2020TC006252.	2.8	9
28	Re-evaluating monazite as a record of metamorphic reactions. Geoscience Frontiers, 2022, 13, 101340.	8.4	9
29	Elucidating tectonic events and processes from variably tectonized conglomerate clast detrital geochronology: Examples from the Permian Hongliuhe Formation in the southern Central Asian orogenic Belt, NW China. Tectonics, 2016, 35, 1626-1641.	2.8	6
30	Raman spectroscopy of shocked enstatite-rich meteorites. Meteoritics and Planetary Science, 2018, 53, 2067-2077.	1.6	5
31	Reply to comment by L.Z. Shi et al. on "Birth and demise of the Bangong-Nujiang Tethyan Ocean: A review from the Gerze area of central Tibet". Earth-Science Reviews, 2020, 208, 103213.	9.1	5
32	Atoll garnet: insights from LA-ICP-MS trace element mapping. Contributions To Mineralogy and Petrology, 2022, 177, .	3.1	5
33	Geochemical and geochronological record of the Andaman Ophiolite, SE Asia: From back-arc to forearc during subduction polarity reversal?. Lithos, 2021, 380-381, 105853.	1.4	4
34	Long-lived anatexis in the exhumed middle crust of the Torngat Orogen: Constraints from phase equilibria modeling and garnet, zircon, and monazite geochronology. Lithos, 2021, 388-389, 106022.	1.4	4
35	Comment on "Geochronology of the Martian meteorite Zagami revealed by U-Pb ion probe dating of accessory minerals" by Zhou et al. Earth and Planetary Science Letters, 2014, 385, 216-217.	4.4	3
36	Triassic trachytic volcanism in the Bangong-Nujiang Ocean: geochemical and geochronological constraints on a continental rifting event. Geological Magazine, 2022, 159, 519-534.	1.5	2

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37	Lu–Hf garnet dating and the timing of collisions: Palaeoproterozoic accretionary tectonics revealed in the Southeastern Churchill Province, Trans-Hudson Orogen, Canada. <i>Journal of Metamorphic Geology</i> , 2021, 39, 977-1007.	3.4	1
38	Preface: Evolution of the early solar system: Presolar cosmochemical fingerprints and the formation of watery rocky planets. <i>Geochemical Journal</i> , 2016, 50, 1-2.	1.0	1
39	The La Pointe gold deposit, a disseminated orogenic gold deposit at the boundary between the La Grande and Opinaca subprovinces, Eeyou Istchee Baie-James, Québec, Canada. <i>Ore Geology Reviews</i> , 2021, 138, 104355.	2.7	0