

# Carl Guilmette

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

3,892  
citations

394421

19  
h-index

315739

38  
g-index

42  
all docs

42  
docs citations

42  
times ranked

3196  
citing authors

#	ARTICLE	IF	CITATIONS
1	Re-evaluating monazite as a record of metamorphic reactions. <i>Geoscience Frontiers</i> , 2022, 13, 101340.	8.4	9
2	Triassic trachytic volcanism in the Bangong-Nujiang Ocean: geochemical and geochronological constraints on a continental rifting event. <i>Geological Magazine</i> , 2022, 159, 519-534.	1.5	2
3	Atoll garnet: insights from LA-ICP-MS trace element mapping. <i>Contributions To Mineralogy and Petrology</i> , 2022, 177, .	3.1	5
4	Geochemical and geochronological record of the Andaman Ophiolite, SE Asia: From back-arc to forearc during subduction polarity reversal?. <i>Lithos</i> , 2021, 380-381, 105853.	1.4	4
5	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
6	Long-lived anatexis in the exhumed middle crust of the Torngat Orogen: Constraints from phase equilibria modeling and garnet, zircon, and monazite geochronology. <i>Lithos</i> , 2021, 388-389, 106022.	1.4	4
7	A record of plume-induced plate rotation triggering subduction initiation. <i>Nature Geoscience</i> , 2021, 14, 626-630.	12.9	50
8	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
9	Provenance of Lower Cretaceous sedimentary rocks in the northern margin of the Lhasa terrane, Tibet: Implications for the timing of the Lhasa-Qiangtang collision. <i>Journal of Asian Earth Sciences</i> , 2020, 190, 104162.	2.3	17
10	Complete metamorphic cycle and long-lived anatexis in the 2.1 Ga Mistinibi Complex, Canada. <i>Journal of Metamorphic Geology</i> , 2020, 38, 235-264.	3.4	11
11	The Greater Himalayan Thrust Belt: Insight Into the Assembly of the Exhumed Himalayan Metamorphic Core, Modi Khola Valley, Central Nepal. <i>Tectonics</i> , 2020, 39, e2020TC006252.	2.8	9
12	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". <i>Earth-Science Reviews</i> , 2020, 208, 103213.	9.1	5
13	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. <i>Precambrian Research</i> , 2020, 347, 105819.	2.7	13
14	Contrasting P-T-t paths reveal a metamorphic discontinuity in the New Quebec Orogen: Insights into Paleoproterozoic orogenic processes. <i>Precambrian Research</i> , 2020, 342, 105675.	2.7	11
15	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
16	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
17	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
18	The timing of prograde metamorphism in the Pontiac Subprovince, Superior craton; implications for Archean geodynamics and gold mineralization. <i>Precambrian Research</i> , 2019, 320, 111-136.	2.7	20

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19	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
20	Geochemistry of Mesoarchean felsic to ultramafic volcanic rocks of the Lac Guyer area, La Grande Subprovince (Canada): Evidence for plume-related magmatism in a rift setting. <i>Precambrian Research</i> , 2018, 316, 83-102.	2.7	11
21	Raman spectroscopy of shocked enstatite-rich meteorites. <i>Meteoritics and Planetary Science</i> , 2018, 53, 2067-2077.	1.6	5
22	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
23	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
24	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
25	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
26	The Meteoritical Bulletin, No. 103. <i>Meteoritics and Planetary Science</i> , 2017, 52, 1014-1014.	1.6	27
27	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. <i>Tectonics</i> , 2016, 35, 1626-1641.	2.8	6
28	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
29	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
30	<sup>147</sup> Sm- <sup>143</sup> Nd and <sup>176</sup> Lu- <sup>176</sup> Hf systematics of eucrite and angrite meteorites. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1896-1911.	1.6	20
31	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
32	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
33	Forearc hyperextension dismembered the south Tibetan ophiolites. <i>Geology</i> , 2015, 43, 475-478.	4.4	129
34	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
35	Comment on "Geochronology of the Martian meteorite Zagami revealed by U-Pb ion probe dating of accessory minerals" by Zhou et al. <i>Earth and Planetary Science Letters</i> , 2014, 385, 216-217.	4.4	3
36	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

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37	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
38	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
39	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