Oscar Laurent

List of Publications by Year
in descending order

67	2,969	236925 25	168389 53
papers	citations	h-index	g-index

72	72	72	1729
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Trace element geochemistry of sphalerite and chalcopyrite in arc-hosted VMS deposits. Journal of Geochemical Exploration, 2022, 232, 106882.	3.2	23
2	Geology, mineralogy, and cassiterite geochronology of the Ayawilca Zn-Pb-Ag-In-Sn-Cu deposit, Pasco, Peru. Mineralium Deposita, 2022, 57, 481-507.	4.1	12
3	Towards the fertility trend: unraveling the economic potential of igneous suites through whole-rock and zircon geochemistry (example from the TapajÃ³s Mineral Province, Northern Brazil). Ore Geology Reviews, 2022, , 104643.	2.7	0
4	Garnet petrochronology reveals the lifetime and dynamics of phonolitic magma chambers at Somma-Vesuvius. Science Advances, 2022, 8, eabk2184.	10.3	2
5	Biotite as a recorder of an exsolved Li-rich volatile phase in upper-crustal silicic magma reservoirs. Geology, 2022, 50, 481-485.	4.4	12
6	Degassing from magma reservoir to eruption in silicic systems: The Li elemental and isotopic record from rhyolitic melt inclusions and host quartz in a Yellowstone rhyolite. Geochimica Et Cosmochimica Acta, 2022, 326, 56-76.	3.9	9
7	Early Earth zircons formed in residual granitic melts produced by tonalite differentiation. Geology, 2022, 50, 437-441.	4.4	15
8	Early Earth zircons formed in residual granitic melts produced by tonalite differentiation: REPLY. Geology, 2022, 50, e553-e553.	4.4	0
9	Fluid Evolution at the Batu Hijau Porphyry Cu-Au Deposit, Indonesia: Hypogene Sulfide Precipitation from a Single-Phase Aqueous Magmatic Fluid During Chloriteâ€"White-Mica Alteration. Economic Geology, 2022, 117, 979-1012.	3.8	10
10	Formation of the Lened W-(Be) Skarn Deposit by Neutralization of a Magmatic Fluidâ€"Evidence from H3BO3-Rich Fluids. Geosciences (Switzerland), 2022, 12, 236.	2.2	0
11	Time scales of syneruptive volatile loss in silicic magmas quantified by Li isotopes. Geology, 2021, 49, 125-129.	4.4	16
12	Trace element composition and U-Pb ages of cassiterite from the Bolivian tin belt. Mineralium Deposita, 2021, 56, 1491-1520.	4.1	30
13	When zircon drowns: Elusive geochronological record of water-fluxed orthogneiss melting in the Velay dome (Massif Central, France). Lithos, 2021, 384-385, 105938.	1.4	4
14	Absolute Age and Temperature Constraints on Deformation Along the Basal DÃ©collement of the Jura Foldâ€andâ€Thrust Belt From Carbonate Uâ€Pb Dating and Clumped Isotopes. Tectonics, 2021, 40, e2020TC006439.	2.8	26
15	Crustal melting vs. fractionation of basaltic magmas: Part 2, Attempting to quantify mantle and crustal contributions in granitoids. Lithos, 2021, 402-403, 106292.	1.4	14
16	Crustal melting vs. fractionation of basaltic magmas: Part 1, granites and paradigms. Lithos, 2021, 402-403, 106291.	1.4	43
17	Influence of high marine Ca/SO4 ratio on alteration of submarine basalts at 2.41ÂGa documented by triple O and Sr isotopes of epidote. Precambrian Research, 2021, 358, 106164.	2.7	4
18	Embryos of TTGs in Gore Mountain garnet megacrysts from water-fluxed melting of the lower crust. Earth and Planetary Science Letters, 2021, 569, 117058.	4.4	15

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19	Distribution of indium, germanium, gallium and other minor and trace elements in polymetallic ores from a porphyry system: The Morococha district, Peru. Ore Geology Reviews, 2021, 136, 104236.	2.7	16
20	Middle-Late Triassic metamorphism of the Guajira Arch-basement: Insights from zircon Uâ€"Pb and Luâ€"Hf systematics. Journal of South American Earth Sciences, 2021, 110, 103397.	1.4	6
21	Petrochronology of hydrothermal rutile in mineralized porphyry Cu systems. Chemical Geology, 2021, 581, 120407.	3.3	12
22	Metasomatism and cyclic skarn growth along lithological contacts: Physical and geochemical evidence from a distal Pb Zn skarn. Lithos, 2021, 400-401, 106408.	1.4	5
23	The upper Oligocene San Rafael intrusive complex (Eastern Cordillera, southeast Peru), host of the largest-known high-grade tin deposit. Lithos, 2021, 400-401, 106409.	1.4	6
24	Multiple tectonic-magmatic Mo-enrichment events in Yuleken porphyry Cu-Mo deposit, NW China and itsâ€™ implications for the formation of giant porphyry Mo deposit. Ore Geology Reviews, 2021, 139, 104401.	2.7	6
25	Advantages of a fast-scanning quadrupole for LA-ICP-MS analysis of fluid inclusions. Journal of Analytical Atomic Spectrometry, 2021, 36, 2043-2050.	3.0	6
26	Mantle versus crustal contributions in crustal-scale magmatic systems (Sesia Magmatic System,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4 Petrology, 2021, 176, 1.	3.1	6
27	Zircon U-Pb geochronology and geochemistry of Late Devonianâ€"Carboniferous granitoids in NW Iran: implications for the opening of Paleo-Tethys. International Geology Review, 2020, 62, 1931-1948.	2.1	23
28	Recognition and significance of <i>c.</i> 800â€...Ma upper amphibolite to granulite facies metamorphism in metasedimentary rocks from the NW margin of the Yangtze Block. Journal of the Geological Society, 2020, 177, 424-441.	2.1	14
29	Sequential evolution of Snâ€"Znâ€"In mineralization at the skarn-hosted HÃmmerlein deposit, Erzgebirge, Germany, from fluid inclusions in ore and gangue minerals. Mineralium Deposita, 2020, 55, 937-952.	4.1	17
30	Earthâ€™s earliest granitoids are crystal-rich magma reservoirs tapped by silicic eruptions. Nature Geoscience, 2020, 13, 163-169.	12.9	141
31	Cryptic metasomatic agent measured in situ in Variscan mantle rocks: Melt inclusions in garnet of eclogite, Granulitgebirge, Germany. Journal of Metamorphic Geology, 2020, 38, 207-234.	3.4	25
32	Fluid evolution of the Cantung tungsten skarn, Northwest Territories, Canada: Differentiation and fluid-rock interaction. Ore Geology Reviews, 2020, 127, 103866.	2.7	14
33	Flow of partially molten crust controlling construction, growth and collapse of the Variscan orogenic belt: the geologic record of the French Massif Central. Bulletin - Societie Geologique De France, 2020, 191, 25.	2.2	49
34	Tourmaline as a Tracer of Late-Magmatic to Hydrothermal Fluid Evolution: The World-Class San Rafael Tin (-Copper) Deposit, Peru. Economic Geology, 2020, 115, 1665-1697.	3.8	43
35	Quantifying frozen melt in crustal rocks: A new melt-o-meter based on zircon rim volumes. Chemical Geology, 2020, 551, 119755.	3.3	5
36	Archean lithospheric differentiation: Insights from Fe and Zn isotopes. Geology, 2020, 48, 1028-1032.	4.4	22

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37	Formation of hydrothermal fluorite-hematite veins by mixing of continental basement brine and redbed-derived fluid: Schwarzwald mining district, SW-Germany. Journal of Geochemical Exploration, 2020, 212, 106512.	3.2	9
38	Melt and fluid evolution in an upper-crustal magma reservoir, preserved by inclusions in juvenile clasts from the Kos Plateau Tuff, Aegean Arc, Greece. Geochimica Et Cosmochimica Acta, 2020, 280, 237-262.	3.9	24
39	Evaluating the reliability of Uâ€“Pb laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS) carbonate geochronology: matrix issues and a potential calcite validation reference material. Geochronology, 2020, 2, 155-167.	2.5	46
40	Detrital zircon Uâ€“Pbâ€“Hf systematics of Ediacaran metasediments from the French Massif Central: Consequences for the crustal evolution of the north Gondwana margin. Precambrian Research, 2019, 324, 269-284.	2.7	27
41	Granitoids and Greenstone Belts of the Pietersburg Blockâ€"Witnesses of an Archaean Accretionary Orogen Along the Northern Edge of the Kaapvaal Craton. Regional Geology Reviews, 2019, , 83-107.	1.2	15
42	Partitioning and isotopic fractionation of lithium in mineral phases of hot, dry rhyolites: The case of the Mesa Falls Tuff, Yellowstone. Chemical Geology, 2019, 506, 175-186.	3.3	39
43	Building up the first continents: Mesoarchean to Paleoproterozoic crustal evolution in West Troms, Norway, inferred from granitoid petrology, geochemistry and zircon U-Pb/Lu-Hf isotopes. Precambrian Research, 2019, 321, 303-327.	2.7	25
44	Archaean tectonic systems: A view from igneous rocks. Lithos, 2018, 302-303, 99-125.	1.4	200
45	A record of 0.5â€‰Ga of evolution of the continental crust along the northern edge of the Kaapvaal Craton, South Africa: Consequences for the understanding of Archean geodynamic processes. Precambrian Research, 2018, 305, 310-326.	2.7	17
46	Zn isotope heterogeneity in the continental lithosphere: New evidence from Archean granitoids of the northern Kaapvaal craton, South Africa. Chemical Geology, 2018, 476, 260-271.	3.3	28
47	Depressurization and boiling of a single magmatic fluid as a mechanism for tin-tungsten deposit formation. Geology, 2018, 46, 75-78.	4.4	135
48	Plutons and domes: the consequences of anatectic magma extractionâ€"example from the southeastern French Massif Central. International Journal of Earth Sciences, 2018, 107, 2819-2842.	1.8	32
49	Protracted, coeval crust and mantle melting during Variscan late-orogenic evolution: Uâ€“Pb dating in the eastern French Massif Central. International Journal of Earth Sciences, 2017, 106, 421-451.	1.8	89
50	Pre-Cadomian to late-Variscan odyssey of the eastern Massif Central, France: Formation of the West European crust in a nutshell. Gondwana Research, 2017, 46, 170-190.	6.0	53
51	Cadomian S-type granites as basement rocks of the Variscan belt (Massif Central, France): Implications for the crustal evolution of the north Gondwana margin. Lithos, 2017, 286-287, 16-34.	1.4	34
52	Source constraints on the genesis of Danubian granites in the South Carpathians Alpine Belt (Romania). Lithos, 2017, 294-295, 198-221.	1.4	3
53	How do granitoid magmas mix with each other? Insights from textures, trace element and Srâ€“Nd isotopic composition of apatite and titanite from the Matok pluton (South Africa). Contributions To Mineralogy and Petrology, 2017, 172, 1.	3.1	62
54	Collision vs. subduction-related magmatism: Two contrasting ways of granite formation and implications for crustal growth. Lithos, 2017, 277, 154-177.	1.4	233

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55	Post-collisional magmatism: Crustal growth not identified by zircon Hfâ€"O isotopes. Earth and Planetary Science Letters, 2016, 456, 182-195.	4.4	161
56	3.30 Ga high-silica intraplate volcanicâ€"plutonic system of the GaviÃ£o Block, SÃ£o Francisco Craton, Brazil: Evidence of an intracontinental rift following the creation of insulating continental crust. Lithos, 2016, 266-267, 414-434.	1.4	36
57	Paleoproterozoic juvenile crust formation and stabilisation in the south-eastern West African Craton (Ghana); New insights from U-Pb-Hf zircon data and geochemistry. Precambrian Research, 2016, 287, 1-30.	2.7	54
58	A linear Hf isotope-age array despite different granitoid sources and complex Archean geodynamics: Example from the Pietersburg block (South Africa). Earth and Planetary Science Letters, 2015, 430, 326-338.	4.4	106
59	Comment on â€œUltrahigh temperature granulites and magnesian charnockites: Evidence for the Neoarchean accretion along the northern margin of the Kaapvaal cratonâ€•by Rajesh et al.. Precambrian Research, 2014, 255, 455-458.	2.7	7
60	Contrasting petrogenesis of Mgâ€"K and Feâ€"K granitoids and implications for post-collisional magmatism: Case study from the Late-Archean Matok pluton (Pietersburg block, South Africa). Lithos, 2014, 196-197, 131-149.	1.4	83
61	The diversity and evolution of late-Archean granitoids: Evidence for the onset of â€œmodern-styleâ€•plate tectonics between 3.0 and 2.5Ga. Lithos, 2014, 205, 208-235.	1.4	557
62	LA-ICP-MS dating of zircons from Meso- and Neoarchean granitoids of the Pietersburg block (South) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 230, 209-226.	2.7	51
63	Differentiation of the late-Archaean sanukitoid series and some implications for crustal growth: Insights from geochemical modelling on the Bulai pluton, Central Limpopo Belt, South Africa. Precambrian Research, 2013, 227, 186-203.	2.7	57
64	Geochemistry and petrogenesis of high-K â€œsanukitoidsâ€•from the Bulai pluton, Central Limpopo Belt, South Africa: Implications for geodynamic changes at the Archaeanâ€"Proterozoic boundary. Lithos, 2011, 123, 73-91.	1.4	77
65	Low-potassium vaugnerites from Guï¿½ret (Massif Central, France). Mafic magma evolution influenced by contemporaneous granitoids. Mineralogy and Petrology, 1997, 59, 165-187.	1.1	8
66	Granitoid melt inclusions in orogenic peridotite and the origin of garnet clinopyroxenite. Geology, 0, , .	4.4	7
67	Accessory mineral constraints on crustal evolution: elemental fingerprints for magma discrimination. Geochemical Perspectives Letters, 0, , 7-12.	5.0	40