Olivier Alard

List of Publications by Year
in descending order

73	6,350	70961 41	76769 74
papers	citations	h-index	g-index

74	74	74	3911
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrogen, trace, and ultra-trace element distribution in natural olivines. Contributions To Mineralogy and Petrology, 2021, 176, 1.	1.2	20
2	Condensation and evaporation processes during CB chondrite formation: Insights from Ge isotopes and highly siderophile element abundances. Meteoritics and Planetary Science, 2021, 56, 1191-1211.	0.7	3
3	Nitrogen under Super-Reducing Conditions: Ti Oxynitride Melts in Xenolithic Corundum Aggregates from Mt Carmel (N. Israel). Minerals (Basel, Switzerland), 2021, 11, 780.	0.8	4
4	Dating post-Archean lithospheric mantle: Insights from Re-Os and Lu-Hf isotopic systematics of the Cameroon Volcanic Line peridotites. Geochimica Et Cosmochimica Acta, 2020, 278, 177-198.	1.6	19
5	Influence of redox processes on the germanium isotopic composition of ordinary chondrites. Geochimica Et Cosmochimica Acta, 2020, 269, 270-291.	1.6	9
6	Reworking of old continental lithosphere: Unradiogenic Os and decoupled Hf Nd isotopes in sub-arc mantle pyroxenites. Lithos, 2020, 354-355, 105346.	0.6	9
7	Sulfide in dunite channels reflects long-distance reactive migration of mid-ocean-ridge melts from mantle source to crust: A Re-Os isotopic perspective. Earth and Planetary Science Letters, 2020, 531, 115969.	1.8	19
8	Optimisation of laser and mass spectrometer parameters for the in situ analysis of Rb/Sr ratios by LA-ICP-MS/MS. Journal of Analytical Atomic Spectrometry, 2020, 35, 2322-2336.	1.6	34
9	Parageneses of TiB2 in corundum xenoliths from Mt. Carmel, Israel: Siderophile behavior of boron under reducing conditions. American Mineralogist, 2020, 105, 1609-1621.	0.9	15
10	The provenance of early Iron Age ferrous remains from southeastern Arabia. Journal of Archaeological Science, 2020, 120, 105192.	1.2	19
11	Corrigendum to â€œSulfide in dunite channels reflects long-distance reactive migration of mid-ocean-ridge melts from mantle source to crust: A Re-Os isotopic perspectiveâ€•[Earth Planet. Sci. Lett. 531 (2020) 115969]. Earth and Planetary Science Letters, 2020, 535, 116136.	1.8	2
12	Eruption dynamics of pleistocene maars and tuff rings from the Azrou-Timahdite district (Middle) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 characteristics. Journal of African Earth Sciences, 2020, 167, 103845.	0.9	3
13	Partitioning of nitrogen during melting and recycling in subduction zones and the evolution of atmospheric nitrogen. Chemical Geology, 2019, 525, 334-342.	1.4	18
14	Melting of sediments in the deep mantle produces saline fluid inclusions in diamonds. Science Advances, 2019, 5, eaau2620.	4.7	16
15	Insights into the mantle geochemistry of scandium from a meta-analysis of garnet data. Lithos, 2018, 310-311, 409-421.	0.6	16
16	Relationships between the occurrence of accessory Ge-minerals and sphalerite in Variscan Pb-Zn deposits of the Bossost anticlinorium, French Pyrenean Axial Zone: Chemistry, microstructures and ore-deposit setting. Ore Geology Reviews, 2018, 95, 1-19.	1.1	34
17	Heterogeneous hydrogen distribution in orthopyroxene from veined mantle peridotite (San Carlos,) Tj ETQq1 1 0.784314 rgBT /Overlo	0.6	28
18	Femtosecond Laser Ablation-ICP-Mass Spectrometry and CHNS Elemental Analyzer Reveal Trace Element Characteristics of Danburite from Mexico, Tanzania, and Vietnam. Minerals (Basel, Switzerland), 2018, 8, 234.	0.8	10

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19	The formation conditions of enstatite chondrites: Insights from trace element geochemistry of olivineâ€bearing chondrules in Sahara 97096 (<scp>EH</scp>3). Meteoritics and Planetary Science, 2015, 50, 1624-1642.	0.7	28
20	Water content and hydrogen behaviour during metasomatism in the uppermost mantle beneath Ray Pic volcano (Massif Central, France). Lithos, 2015, 236-237, 256-274.	0.6	49
21	Subcontinental lithosphere reactivation beneath the Hoggar swell (Algeria): Localized deformation, melt channeling and heat advection. Tectonophysics, 2015, 650, 18-33.	0.9	13
22	Trace element geochemistry of ordinary chondrite chondrules: The type I/type II chondrule dichotomy. Geochimica Et Cosmochimica Acta, 2015, 155, 47-67.	1.6	33
23	Characterization of hydration in the mantle lithosphere: Peridotite xenoliths from the Ontong Java Plateau as an example. Lithos, 2015, 212-215, 189-201.	0.6	56
24	Nature and Evolution of the Lithospheric Mantle beneath the Hoggar Swell (Algeria): a Record from Mantle Xenoliths. Journal of Petrology, 2014, 55, 2249-2280.	1.1	22
25	A volcanic district between the Hoggar uplift and the Tenere Rifts: Volcanology, geochemistry and age of the In-Ezzane lavas (Algerian Sahara). Journal of African Earth Sciences, 2014, 92, 14-20.	0.9	6
26	Lawsonite metasomatism and trace element recycling in subduction zones. Journal of Metamorphic Geology, 2014, 32, 489-514.	1.6	68
27	Sulfides and chalcophile elements in Roberts Victor eclogites: Unravelling a sulfide-rich metasomatic event. Chemical Geology, 2013, 354, 73-92.	1.4	22
28	Platinum-group element systematics and petrogenetic processing of the continental upper mantle: A review. Lithos, 2013, 164-167, 2-21.	0.6	144
29	Trace element geochemistry of <scp>CR</scp> chondrite metal. Meteoritics and Planetary Science, 2013, 48, 1981-1999.	0.7	31
30	Diffusional homogenization of light REE in garnet from the Day Nui Con Voi Massif in N-Vietnam: Implications for Smâ€“Nd geochronology and timing of metamorphism in the Red River shear zone. Chemical Geology, 2012, 318-319, 16-30.	1.4	32
31	Chondrule trace element geochemistry at the mineral scale. Meteoritics and Planetary Science, 2012, 47, 1695-1714.	0.7	38
32	Unradiogenic lead in Earthâ€™s upper mantle. Nature Geoscience, 2012, 5, 570-573.	5.4	56
33	Type I eclogites from Roberts Victor kimberlites: Products of extensive mantle metasomatism. Geochimica Et Cosmochimica Acta, 2011, 75, 6927-6954.	1.6	64
34	Pyrite tracks assimilation of crustal sulfur in Pyrenean peridotites. Mineralogy and Petrology, 2011, 101, 115-128.	0.4	24
35	Volatile-rich Metasomatism in Montferrier Xenoliths (Southern France): Implications for the Abundances of Chalcophile and Highly Siderophile Elements in the Subcontinental Mantle. Journal of Petrology, 2011, 52, 2009-2045.	1.1	107
36	160Ma of sporadic basaltic activity on the Languedoc volcanic line (Southern France): A peculiar case of lithosphereâ€“asthenosphere interplay. Lithos, 2010, 120, 202-222.	0.6	26

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37	Unravelling the effects of melt depletion and secondary infiltration on mantle Reâ€“Os isotopes beneath the French Massif Central. Geochimica Et Cosmochimica Acta, 2010, 74, 293-320.	1.6	63
38	The relationship between CK and CV chondrites. Geochimica Et Cosmochimica Acta, 2010, 74, 1684-1705.	1.6	90
39	Determination of selenium and tellurium concentrations in Pyrenean peridotites (Ariege, France): New insight into S/Se/Te systematics of the upper in mantle samples. Chemical Geology, 2010, 278, 120-130.	1.4	63
40	Platinum-group element micronuggets and refertilization process in Lherz orogenic peridotite (northeastern Pyrenees, France). Earth and Planetary Science Letters, 2010, 289, 298-310.	1.8	142
41	Platinumâ€group element signature of the primitive mantle rejuvenated by meltâ€rock reactions: evidence from Sumail peridotites (Oman Ophiolite). Terra Nova, 2009, 21, 35-40.	0.9	48
42	Isotopic decoupling during porous melt flow: A case-study in the Lherz peridotite. Earth and Planetary Science Letters, 2009, 279, 76-85.	1.8	72
43	The Cu isotopic signature of granites from the Lachlan Fold Belt, SE Australia. Chemical Geology, 2009, 258, 38-49.	1.4	115
44	Highly siderophile element behaviour accompanying subduction of oceanic crust: Whole rock and mineral-scale insights from a high-pressure terrain. Geochimica Et Cosmochimica Acta, 2009, 73, 1394-1416.	1.6	86
45	Platinum-Group Elements: A New Set of Key Tracers for the Earth's Interior. Elements, 2008, 4, 247-252.	0.5	103
46	Geochemistry of the highly depleted peridotites drilled at ODP Sites 1272 and 1274 (Fifteen-Twenty) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Earth and Planetary Science Letters, 2008, 267, 410-425.	1.8	167
47	Abundance and distribution of platinum-group elements in orogenic lherzolites; a case study in a Fontete Rouge lherzolite (French PyrÃ©nÃ©es). Chemical Geology, 2008, 248, 174-194.	1.4	101
48	Physical and chemical characteristics of particles produced by laser ablation of biogenic calcium carbonate. Journal of Analytical Atomic Spectrometry, 2008, 23, 240-243.	1.6	49
49	Taking the pulse of the Earth: linking crustal and mantle events. Australian Journal of Earth Sciences, 2008, 55, 983-995.	0.4	52
50	The scale and origin of the osmium isotope variations in mid-ocean ridge basalts. Earth and Planetary Science Letters, 2007, 259, 541-556.	1.8	133
51	The Lherz spinel lherzolite: Refertilized rather than pristine mantle. Earth and Planetary Science Letters, 2007, 259, 599-612.	1.8	305
52	Multiple events in the Neo-Tethyan oceanic upper mantle: Evidence from Ruâ€“Osâ€“Ir alloys in the Luobusa and Dongqiao ophiolitic podiform chromitites, Tibet. Earth and Planetary Science Letters, 2007, 261, 33-48.	1.8	132
53	MPI-DING reference glasses for in situ microanalysis: New reference values for element concentrations and isotope ratios. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	1.0	563
54	Ancient melt extraction from the oceanic upper mantle revealed by Reâ€“Os isotopes in abyssal peridotites from the Mid-Atlantic ridge. Earth and Planetary Science Letters, 2006, 244, 606-621.	1.8	267

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55	The isotopic composition of magnesium in mantle olivine: Records of depletion and metasomatism. Chemical Geology, 2006, 226, 115-133.	1.4	65
56	In situ Os isotopes in abyssal peridotites bridge the isotopic gap between MORBs and their source mantle. Nature, 2005, 436, 1005-1008.	13.7	190
57	Volatile fractionation in the early solar system and chondrule/matrix complementarity. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13755-13760.	3.3	138
58	Hydrogen isotopic composition of water from fossil micrometeorites in howardites. Geochimica Et Cosmochimica Acta, 2005, 69, 3431-3443.	1.6	33
59	Enrichment of HFSE in chlorite-harzburgite produced by high-pressure dehydration of antigorite-serpentinite: Implications for subduction magmatism. Geochemistry, Geophysics, Geosystems, 2005, 6, n/a-n/a.	1.0	81
60	Highly siderophile element behavior in high temperature processes. Chemical Geology, 2004, 208, 1-4.	1.4	2
61	A multi-technique study of platinum group element systematic in some Ligurian ophiolitic peridotites, Italy. Chemical Geology, 2004, 208, 175-194.	1.4	136
62	Laser ablation ICP-MS study of IIIAB irons and pallasites: constraints on the behaviour of highly siderophile elements during and after planetesimal core formation. Chemical Geology, 2004, 208, 5-28.	1.4	25
63	Determination of intratest variability of trace elements in foraminifera by laser ablation inductively coupled plasma-mass spectrometry. Geochemistry, Geophysics, Geosystems, 2003, 4, .	1.0	85
64	Mineralogy of carbonaceous chondritic microclasts in howardites: identification of C2 fossil micrometeorites. Geochimica Et Cosmochimica Acta, 2003, 67, 507-527.	1.6	81
65	Sulfur and selenium systematics of the subcontinental lithospheric mantle: Inferences from the Massif Central xenolith suite (France). Geochimica Et Cosmochimica Acta, 2003, 67, 4137-4151.	1.6	127
66	Magnesium isotope heterogeneity of the isotopic standard SRM980 and new reference materials for magnesium-isotope-ratio measurements. Journal of Analytical Atomic Spectrometry, 2003, 18, 1352.	1.6	367
67	In situ measurement of Re-Os isotopes in mantle sulfides by laser ablation multicollector-inductively coupled plasma mass spectrometry: analytical methods and preliminary results. Geochimica Et Cosmochimica Acta, 2002, 66, 1037-1050.	1.6	170
68	The compatibility of rhenium and osmium in natural olivine and their behaviour during mantle melting and basalt genesis. Earth and Planetary Science Letters, 2002, 198, 63-76.	1.8	84
69	New insights into the Reâ€“Os systematics of sub-continental lithospheric mantle from in situ analysis of sulphides. Earth and Planetary Science Letters, 2002, 203, 651-663.	1.8	212
70	Platinum-group element abundances in the upper mantle: new constraints from in situ and whole-rock analyses of Massif Central xenoliths (France). Geochimica Et Cosmochimica Acta, 2001, 65, 2789-2806.	1.6	246
71	Laser-ablation microprobe (LAM)-ICPMS unravels the highly siderophile element geochemistry of the oceanic mantle. Earth and Planetary Science Letters, 2001, 189, 285-294.	1.8	144
72	Non-chondritic distribution of the highly siderophile elements in mantle sulphides. Nature, 2000, 407, 891-894.	13.7	428

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73	Incompatible trace element partitioning and residence in anhydrous spinel peridotites and websterites from the Ronda orogenic peridotite. Earth and Planetary Science Letters, 2000, 181, 341-358.	1.8	86