

# Carole Cordier

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

914  
citations

471509

17  
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477307

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30  
all docs

30  
docs citations

30  
times ranked

907  
citing authors

#	ARTICLE	IF	CITATIONS
1	Drilling to Gabbro in Intact Ocean Crust. <i>Science</i> , 2006, 312, 1016-1020.	12.6	230
2	Kamil Crater (Egypt): Ground truth for small-scale meteorite impacts on Earth. <i>Geology</i> , 2011, 39, 179-182.	4.4	52
3	Metasomatism of the Lithospheric Mantle Immediately Precedes Kimberlite Eruption: New Evidence from Olivine Composition and Microstructures. <i>Journal of Petrology</i> , 2015, 56, 1775-1796.	2.8	49
4	The Kamil Crater in Egypt. <i>Science</i> , 2010, 329, 804-804.	12.6	48
5	Melilite-bearing lavas in Mayotte (France): An insight into the mantle source below the Comores. <i>Lithos</i> , 2014, 208-209, 281-297.	1.4	48
6	Chondritic micrometeorites from the Transantarctic Mountains. <i>Meteoritics and Planetary Science</i> , 2012, 47, 228-247.	1.6	45
7	Gebel Kamil: The iron meteorite that formed the Kamil crater (Egypt). <i>Meteoritics and Planetary Science</i> , 2011, 46, 1179-1196.	1.6	42
8	Major, trace element and oxygen isotope study of glass cosmic spherules of chondritic composition: The record of their source material and atmospheric entry heating. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5203-5218.	3.9	39
9	Oxygen isotopes in cosmic spherules and the composition of the near Earth interplanetary dust complex. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 146, 18-26.	3.9	33
10	Vestoid cosmic spherules from the South Pole Water Well and Transantarctic Mountains (Antarctica): A major and trace element study. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1199-1215.	3.9	30
11	Shock metamorphism and impact melting in small impact craters on Earth: Evidence from Kamil crater, Egypt. <i>Meteoritics and Planetary Science</i> , 2014, 49, 2175-2200.	1.6	30
12	Time scales of melt extraction revealed by distribution of lava composition across a ridge axis. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	27
13	Nickel abundance in stony cosmic spherules: Constraining precursor material and formation mechanisms. <i>Meteoritics and Planetary Science</i> , 2011, 46, 1110-1132.	1.6	27
14	Ordinary chondrite-related giant (>800µm) cosmic spherules from the Transantarctic Mountains, Antarctica. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6200-6210.	3.9	24
15	HED-like cosmic spherules from the Transantarctic Mountains, Antarctica: Major and trace element abundances and oxygen isotopic compositions. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 77, 515-529.	3.9	23
16	Targeted projectile interaction during impact melting at Kamil Crater, Egypt. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 180, 33-50.	3.9	21
17	Petrogenesis of Coarse-grained Intrusives from Tahiti Nui and Raiatea (Society Islands, French) <a href="#">Tj ETQq1 1 0.784314 rgBT /Overlock 101</a>	2.8	17
18	Bulk-rock geochemistry and plagioclase zoning in lavas exposed along the northern flank of the Western Blanco Depression (Northeast Pacific): Insight into open-system magma chamber processes. <i>Lithos</i> , 2007, 99, 289-311.	1.4	17

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19	A geochemical approach to model periodically replenished magma chambers: Does oscillatory supply account for the magmatic evolution of EPR 17°S? <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4783-4796.	3.9	15
20	High-precision lead isotopes and stripy plumes: Revisiting the Society chain in French Polynesia. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 189, 236-250.	3.9	15
21	A new type of oxidized and pre-irradiated micrometeorite. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 233, 135-158.	3.9	13
22	Microscopic impactor debris in the soil around Kamil crater (Egypt): Inventory, distribution, total mass, and implications for the impact scenario. <i>Meteoritics and Planetary Science</i> , 2015, 50, 382-400.	1.6	12
23	Micrometeorites. , 2015, , .		12
24	Noble gases in micrometeorites from the Transantarctic Mountains. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 242, 266-297.	3.9	10
25	Carbonated Inheritance in the Eastern Tibetan Lithospheric Mantle: Petrological Evidences and Geodynamic Implications. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008495.	2.5	9
26	Timescale of open-reservoir evolution beneath the south Cleft segment, Juan de Fuca ridge. <i>Mineralogy and Petrology</i> , 2012, 104, 1-14.	1.1	8
27	Geochemistry of the Society and Pitcairn-Gambier mantle plumes: What they share and do not share. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 306, 362-384.	3.9	6
28	The Geochemical Complexity of Kimberlite Rocks and their Olivine Populations: a Reply to the Comment on Cordier et al.(2015) by Andrea Giuliani & Stephen F. Foley. <i>Journal of Petrology</i> , 2016, 57, 927-932.	2.8	5
29	The Älggliden Ni-Cu-Au deposit: magmatic sulfides in a subduction setting. <i>Mineralium Deposita</i> , 2020, 55, 1173-1196.	4.1	4
30	Quantitative Modelling of the Apparent Decoupling of Mg# and Ni in Kimberlitic Olivine Margins: a Reply to the Comment on Cordier et Äal. (2015) by A. Moore. <i>Journal of Petrology</i> , 2017, 58, 391-393.	2.8	3