

Andrea Giuliani

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

2,599
citations

159525

30
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206029

48
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82
all docs

82
docs citations

82
times ranked

1092
citing authors

#	ARTICLE	IF	CITATIONS
1	Perturbation of the deep-Earth carbon cycle in response to the Cambrian Explosion. <i>Science Advances</i> , 2022, 8, eabj1325.	4.7	14
2	Controls on the Emplacement Style of Coherent Kimberlites in the Lac de Gras Field, Canada. <i>Journal of Petrology</i> , 2022, 63, .	1.1	3
3	New insights into the mantle source of a large igneous province from highly siderophile element and Sr-Nd-Os isotope compositions of carbonate-rich ultramafic lamprophyres. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 326, 77-96.	1.6	1
4	Geodynamic and Isotopic Constraints on the Genesis of Kimberlites, Lamproites and Related Magmas From the Finnish Segment of the Karelian Craton. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	1.0	4
5	Compositional Variations in Primitive Kimberlite Melts and Entrained Mantle Cargo from a Global Survey of Trace Element Compositions in Kimberlite Olivine. <i>Journal of Petrology</i> , 2022, 63, .	1.1	10
6	Siderophile and chalcophile elements in spinels, sulphides and native Ni in strongly metasomatised xenoliths from the Bultfontein kimberlite (South Africa). <i>Lithos</i> , 2021, 380-381, 105880.	0.6	10
7	Geochemical and Oâ€“Câ€“Srâ€“Nd Isotopic Constraints on the Petrogenetic Link between Aillikites and Carbonatites in the Tarim Large Igneous Province. <i>Journal of Petrology</i> , 2021, 62, .	1.1	10
8	Petrogenesis of Proterozoic alkaline ultramafic rocks in the Yilgarn Craton, Western Australia. <i>Gondwana Research</i> , 2021, 93, 197-217.	3.0	13
9	Tungsten-182 evidence for an ancient kimberlite source. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	21
10	The spatial and temporal evolution of primitive melt compositions within the Lac de Gras kimberlite field, Canada: Source evolution vs lithospheric mantle assimilation. <i>Lithos</i> , 2021, 392-393, 106142.	0.6	17
11	Remnants of early Earth differentiation in the deepest mantle-derived lavas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	33
12	Petrogenesis of coeval lamproites and kimberlites from the Wajrakarur field, Southern India: New insights from olivine compositions. <i>Lithos</i> , 2021, 406-407, 106524.	0.6	8
13	Remnants of early Earth differentiation in the deepest mantle-derived lavas. , 2021, , .		1
14	Sulfur Isotope Constraints on the Petrogenesis of the Kimberley Kimberlites. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009845.	1.0	4
15	Light oxygen isotopes in mantle-derived magmas reflect assimilation of sub-continental lithospheric mantle material. <i>Nature Communications</i> , 2021, 12, 6295.	5.8	11
16	Thallium isotopic composition of phlogopite in kimberlite-hosted MARID and PIC mantle xenoliths. <i>Chemical Geology</i> , 2020, 531, 119347.	1.4	7
17	The role of lithospheric heterogeneity on the composition of kimberlite magmas from a single field: The case of Kaavi-Kuopio, Finland. <i>Lithos</i> , 2020, 354-355, 105333.	0.6	29
18	Subduction-related petrogenesis of Late Archean calc-alkaline lamprophyres in the Yilgarn Craton (Western Australia). <i>Precambrian Research</i> , 2020, 338, 105550.	1.2	29

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19	Bushveld superplume drove Proterozoic magmatism and metallogensis in Australia. Scientific Reports, 2020, 10, 19729.	1.6	18
20	Platinum-group element and Au geochemistry of Late Archean to Proterozoic calc-alkaline and alkaline magmas in the Yilgarn Craton, Western Australia. Lithos, 2020, 374-375, 105716.	0.6	13
21	A comparison of geochronological methods commonly applied to kimberlites and related rocks: Three case studies from Finland. Chemical Geology, 2020, 558, 119899.	1.4	16
22	Fluxing of mantle carbon as a physical agent for metallogenic fertilization of the crust. Nature Communications, 2020, 11, 4342.	5.8	43
23	Kimberlite Metasomatism of the Lithosphere and the Evolution of Olivine in Carbonate-rich Melts â€” Evidence from the Kimberley Kimberlites (South Africa). Journal of Petrology, 2020, 61, .	1.1	28
24	Isotopic analyses of clinopyroxenes demonstrate the effects of kimberlite melt metasomatism upon the lithospheric mantle. Lithos, 2020, 370-371, 105595.	0.6	23
25	New constraints on the source, composition, and post-emplacment modification of kimberlites from in situ C&O&Sr-isotope analyses of carbonates from the Benfontein sills (South Africa). Contributions To Mineralogy and Petrology, 2020, 175, 1.	1.2	11
26	Contrasting types of micaceous kimberlite-lamproite magmatism from the Man Craton (West Africa): New insights from petrography and mineral chemistry. Lithos, 2020, 362-363, 105483.	0.6	22
27	Controls on the explosive emplacement of diamondiferous kimberlites: New insights from hypabyssal and pyroclastic units in the Diavik mine, Canada. Lithos, 2020, 360-361, 105410.	0.6	11
28	Kimberlite genesis from a common carbonate-rich primary melt modified by lithospheric mantle assimilation. Science Advances, 2020, 6, eaaz0424.	4.7	72
29	Apatite compositions and groundmass mineralogy record divergent melt/fluid evolution trajectories in coherent kimberlites caused by differing emplacement mechanisms. Contributions To Mineralogy and Petrology, 2020, 175, 1.	1.2	17
30	The Petrology and Sulphur Isotopic Composition of Sulphide and Sulphate in the Kimberley Kimberlites. , 2020, , .		0
31	Decoupling of Kimberlite Source and Primitive Melt Compositions. , 2020, , .		0
32	Kimberlite Magmatism in Finland: Distinct Sources and Links to the Breakup of Rodinia. , 2020, , .		0
33	Sampling the C of the Deep Earth: <i>In situ</i> C-O-Sr Isotopes of Kimberlitic Carbonates Worldwide. , 2020, , .		0
34	A metasomatized lithospheric mantle control on the metallogenic signature of post-subduction magmatism. Nature Communications, 2019, 10, 3511.	5.8	108
35	Trace element analysis of high-Mg olivine by LA-ICP-MS â€” Characterization of natural olivine standards for matrix-matched calibration and application to mantle peridotites. Chemical Geology, 2019, 524, 136-157.	1.4	44
36	Mantle-like oxygen isotopes in kimberlites determined by in situ SIMS analyses of zoned olivine. Geochimica Et Cosmochimica Acta, 2019, 266, 274-291.	1.6	17

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37	Evidence for subduction-related signatures in the southern African lithosphere from the N-O isotopic composition of metasomatic mantle minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 266, 237-257.	1.6	22
38	What is a Kimberlite? Petrology and Mineralogy of Hypabyssal Kimberlites. <i>Elements</i> , 2019, 15, 381-386.	0.5	72
39	Petrogenesis of a Hybrid Cluster of Evolved Kimberlites and Ultramafic Lamprophyres in the Kuusamo Area, Finland. <i>Journal of Petrology</i> , 2019, 60, 2025-2050.	1.1	37
40	Kimberlites: From Deep Earth to Diamond Mines. <i>Elements</i> , 2019, 15, 377-380.	0.5	55
41	Kimberlites reveal 2.5-billion-year evolution of a deep, isolated mantle reservoir. <i>Nature</i> , 2019, 573, 578-581.	13.7	64
42	Djerfisherite in kimberlites and their xenoliths: implications for kimberlite melt evolution. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.	1.2	16
43	Composition and emplacement of the Benfontein kimberlite sill complex (Kimberley, South Africa): Textural, petrographic and melt inclusion constraints. <i>Lithos</i> , 2019, 324-325, 297-314.	0.6	43
44	Progressive metasomatism of the mantle by kimberlite melts: Sr ⁸⁶ -Nd ¹⁴² -Hf ¹⁷⁹ -Pb isotope compositions of MARID and PIC minerals. <i>Earth and Planetary Science Letters</i> , 2019, 509, 15-26.	1.8	43
45	A new approach to reconstructing the composition and evolution of kimberlite melts: A case study of the archetypal Bultfontein kimberlite (Kimberley, South Africa). <i>Lithos</i> , 2018, 304-307, 1-15.	0.6	58
46	Kimberlite-related metasomatism recorded in MARID and PIC mantle xenoliths. <i>Mineralogy and Petrology</i> , 2018, 112, 71-84.	0.4	34
47	Titanates of the lindsleyite-mathiasite (LIMA) group reveal isotope disequilibrium associated with metasomatism in the mantle beneath Kimberley (South Africa). <i>Earth and Planetary Science Letters</i> , 2018, 482, 253-264.	1.8	11
48	Cratons, kimberlites and diamonds: selected papers of the 11th International Kimberlite Conference. <i>Mineralogy and Petrology</i> , 2018, 112, 1-3.	0.4	6
49	New geochemical constraints on the origins of MARID and PIC rocks: Implications for mantle metasomatism and mantle-derived potassic magmatism. <i>Lithos</i> , 2018, 318-319, 478-493.	0.6	50
50	Origin of complex zoning in olivine from diverse, diamondiferous kimberlites and tectonic settings: Ekati (Canada), Alto Paranaíba (Brazil) and Kaalvallei (South Africa). <i>Mineralogy and Petrology</i> , 2018, 112, 539-554.	0.4	43
51	Insights into kimberlite petrogenesis and mantle metasomatism from a review of the compositional zoning of olivine in kimberlites worldwide. <i>Lithos</i> , 2018, 312-313, 322-342.	0.6	91
52	Characterisation of primary and secondary carbonates in hypabyssal kimberlites: an integrated compositional and Sr-isotopic approach. <i>Mineralogy and Petrology</i> , 2018, 112, 555-567.	0.4	17
53	Crystallisation sequence and magma evolution of the De Beers dyke (Kimberley, South Africa). <i>Mineralogy and Petrology</i> , 2018, 112, 503-518.	0.4	29
54	Isotopic Disequilibrium in Migmatitic Hornfels of the Gennargentu Igneous Complex (Sardinia, Italy) Records the Formation of Low 87Sr/86Sr Melts from a Mica-Rich Source. <i>Journal of Petrology</i> , 2018, 59, 1309-1328.	1.1	7

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55	Editorial: The role of intraplate magmas and their inclusions in Earth's mantle evolution. <i>Chemical Geology</i> , 2017, 455, 1-5.	1.4	1
56	Petrographic and melt-inclusion constraints on the petrogenesis of a magmaclast from the Venetia kimberlite cluster, South Africa. <i>Chemical Geology</i> , 2017, 455, 331-341.	1.4	43
57	The final stages of kimberlite petrogenesis: Petrography, mineral chemistry, melt inclusions and Sr-C-O isotope geochemistry of the Bultfontein kimberlite (Kimberley, South Africa). <i>Chemical Geology</i> , 2017, 455, 342-356.	1.4	78
58	Southwestern Africa on the burner: Pleistocene carbonatite volcanism linked to deep mantle upwelling in Angola. <i>Geology</i> , 2017, 45, 971-974.	2.0	17
59	In-situ assimilation of mantle minerals by kimberlitic magmas – Direct evidence from a garnet wehrlite xenolith entrained in the Bultfontein kimberlite (Kimberley, South Africa). <i>Lithos</i> , 2016, 256-257, 182-196.	0.6	57
60	Sulfur isotope composition of metasomatised mantle xenoliths from the Bultfontein kimberlite (Kimberley, South Africa): Contribution from subducted sediments and the effect of sulfide alteration on S isotope systematics. <i>Earth and Planetary Science Letters</i> , 2016, 445, 114-124.	1.8	43
61	The Geochemical Complexity of Kimberlite Rocks and their Olivine Populations: a Comment on Cordier <i>et al.</i> (<i>Journal of Petrology</i> , 56, 1775-1796, 2015). <i>Journal of Petrology</i> , 2016, 57, 921-926.	1.1	16
62	Constraints on kimberlite ascent mechanisms revealed by phlogopite compositions in kimberlites and mantle xenoliths. <i>Lithos</i> , 2016, 240-243, 189-201.	0.6	111
63	Chlorine in mantle-derived carbonatite melts revealed by halite in the St.-Honoré intrusion (Québec). <i>Tectonophysics</i> , 2016, 634, 1-14.	2.0	16
64	Did diamond-bearing orangeites originate from MARID-veined peridotites in the lithospheric mantle?. <i>Nature Communications</i> , 2015, 6, 6837.	5.8	78
65	Chemical abrasion of zircon and ilmenite megacrysts in the Monastery kimberlite: Implications for the composition of kimberlite melts. <i>Chemical Geology</i> , 2014, 383, 76-85.	1.4	42
66	LIMA U-Pb ages link lithospheric mantle metasomatism to Karoo magmatism beneath the Kimberley region, South Africa. <i>Earth and Planetary Science Letters</i> , 2014, 401, 132-147.	1.8	41
67	Petrogenesis of Mantle Polymict Breccias: Insights into Mantle Processes Coeval with Kimberlite Magmatism. <i>Journal of Petrology</i> , 2014, 55, 831-858.	1.1	86
68	Towards a new model for kimberlite petrogenesis: Evidence from unaltered kimberlites and mantle minerals. <i>Earth-Science Reviews</i> , 2014, 139, 145-167.	4.0	126
69	Stable isotope (C, O, S) compositions of volatile-rich minerals in kimberlites: A review. <i>Chemical Geology</i> , 2014, 374-375, 61-83.	1.4	81
70	Subduction zone fluxes of halogens and noble gases in seafloor and forearc serpentinites. <i>Earth and Planetary Science Letters</i> , 2013, 365, 86-96.	1.8	137
71	Oxide, sulphide and carbonate minerals in a mantle polymict breccia: Metasomatism by proto-kimberlite magmas, and relationship to the kimberlite megacrystic suite. <i>Chemical Geology</i> , 2013, 353, 4-18.	1.4	77
72	Mantle oddities: A sulphate fluid preserved in a MARID xenolith from the Bultfontein kimberlite (Kimberley, South Africa). <i>Earth and Planetary Science Letters</i> , 2013, 376, 74-86.	1.8	31

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73	Nickel-rich metasomatism of the lithospheric mantle by pre-kimberlitic alkali-Sr-CI-rich Ca-O-H fluids. Contributions To Mineralogy and Petrology, 2013, 165, 155-171.	1.2	26
74	Reddish Metagranites from the Gennargentu Igneous Complex (Sardinia, Italy): Insight into Metasomatism Induced by Magma Mingling. Journal of Petrology, 2013, 54, 839-859.	1.1	5
75	Nature of alkali-carbonate fluids in the sub-continental lithospheric mantle. Geology, 2012, 40, 967-970.	2.0	88
76	Tracking continental-scale modification of the Earth's mantle using zircon megacrysts. Geochemical Perspectives Letters, 0, , 1-6.	1.0	32