

Luigi Dallai

List of Publications by Year in descending order

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58
papers

2,403
citations

147801

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48
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60
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60
docs citations

60
times ranked

2465
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiphase solid inclusions in UHP rocks (Su-Lu, China): Remnants of supercritical silicate-rich aqueous fluids released during continental subduction. <i>Chemical Geology</i> , 2005, 223, 68-81.	3.3	141
2	Water in minerals of the continental lithospheric mantle and overlying lower crust: A comparative study of peridotite and granulite xenoliths from the North China Craton. <i>Chemical Geology</i> , 2008, 256, 33-45.	3.3	118
3	Enhanced CO ₂ -mineral sequestration by cyclic hydraulic fracturing and Si-rich fluid infiltration into serpentinites at Malenrata (Tuscany, Italy). <i>Chemical Geology</i> , 2009, 265, 209-226.	3.3	103
4	Eruptive history and petrologic evolution of the Albano multiple maar (Alban Hills, Central Italy). <i>Bulletin of Volcanology</i> , 2006, 68, 567-591.	3.0	101
5	Time-dependent geochemistry of clinopyroxene from the Alban Hills (Central Italy): Clues to the source and evolution of ultrapotassic magmas. <i>Lithos</i> , 2006, 86, 330-346.	1.4	97
6	Low water content of the Cenozoic lithospheric mantle beneath the eastern part of the North China Craton. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	97
7	Mantle sources and crustal input as recorded in high-Mg Deccan Traps basalts of Gujarat (India). <i>Lithos</i> , 2006, 89, 259-274.	1.4	86
8	H ₂ O contents and D/H ratios of nominally anhydrous minerals from ultrahigh-pressure eclogites of the Dabie orogen, eastern China. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 2079-2103.	3.9	80
9	Magma Chambers Emplaced in Carbonate Substrate: Petrogenesis of Skarn and Cumulate Rocks and Implications for CO ₂ Degassing in Volcanic Areas. <i>Journal of Petrology</i> , 2012, 53, 2307-2332.	2.8	68
10	Serpentinization of mantle peridotites along an uplifted lithospheric section, Mid Atlantic Ridge at 11°N. <i>Lithos</i> , 2013, 178, 3-23.	1.4	64
11	Lateglacial to Holocene trace element record (Ba, Mg, Sr) from Corchia Cave (Apuan Alps, central Tj ETQq1 1 0.784314 rgBT/Overlook	2.1	63
12	Intermediate Alkali-Alumino-silicate Aqueous Solutions Released by Deeply Subducted Continental Crust: Fluid Evolution in UHP OH-rich Topaz-Kyanite Quartzites from Donghai (Sulu, China). <i>Journal of Petrology</i> , 2007, 48, 1219-1241.	2.8	62
13	Oxygen isotope geochemistry of pyroclastic clinopyroxene monitors carbonate contributions to Roman-type ultrapotassic magmas. <i>Contributions To Mineralogy and Petrology</i> , 2004, 148, 247-263.	3.1	61
14	Water contents of pyroxenes in intraplate lithospheric mantle. <i>European Journal of Mineralogy</i> , 2009, 21, 637-647.	1.3	61
15	Exhumation of a Variscan orogenic complex: insights into the composite granulitic amphibolitic metamorphic basement of south-east Corsica (France). <i>Journal of Metamorphic Geology</i> , 2008, 26, 403-436.	3.4	57
16	Primary magmatic calcite reveals origin from crustal carbonate. <i>Lithos</i> , 2014, 190-191, 191-203.	1.4	57
17	Sr-Nd-Pb-He-O Isotope and Geochemical Constraints on the Genesis of Cenozoic Magmas from the West Antarctic Rift. <i>Journal of Petrology</i> , 2009, 50, 1359-1375.	2.8	56
18	On the origin of EM-I end-member. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2003, 179, 85-100.	0.3	55

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19	Carbonate-derived CO ₂ purging magma at depth: Influence on the eruptive activity of Somma-Vesuvius, Italy. <i>Earth and Planetary Science Letters</i> , 2011, 310, 84-95.	4.4	54
20	Sr- ⁸⁷ Rb-Pb-O isotopic evidence for decreasing crustal contamination with ongoing magma evolution at Alicudi volcano (Aeolian arc, Italy): implications for style of magma-crust interaction and for mantle source compositions. <i>Lithos</i> , 2004, 78, 217-233.	1.4	50
21	Sedimentary halogens and noble gases within Western Antarctic xenoliths: Implications of extensive volatile recycling to the sub continental lithospheric mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 176, 139-156.	3.9	46
22	Geochemical and O-isotope constraints on the evolution of lithospheric mantle in the Ross Sea rift area (Antarctica). <i>Contributions To Mineralogy and Petrology</i> , 2006, 151, 245-266.	3.1	44
23	Coexisting calc-alkaline and ultrapotassic magmatism at Monti Ernici, Mid Latina Valley (Latium, Italy). <i>Journal of Petrology</i> , 2011, 52, 665-690.	2.8	36
24	Mantle and crustal processes in the magmatism of the Campania region: inferences from mineralogy, geochemistry, and Sr- ⁸⁷ Rb-O isotopes of young hybrid volcanics of the Ischia island (South Italy). <i>Contributions To Mineralogy and Petrology</i> , 2013, 165, 1173-1194.	3.1	42
25	Origin and age of zircon-bearing chromitite layers from the Finero phlogopite peridotite (Ivrea-Verbano Zone, Western Alps) and geodynamic consequences. <i>Lithos</i> , 2016, 262, 58-74.	1.4	41
26	Zircon megacrysts from basalts of the Venetian Volcanic Province (NE Italy): U- ²³⁵ U-Pb ages, oxygen isotopes and REE data. <i>Lithos</i> , 2007, 94, 168-180.	1.4	39
27	Thermal Evolution of the Lithosphere in a Rift Environment as Inferred from the Geochemistry of Mantle Cumulates, Northern Victoria Land, Antarctica. <i>Journal of Petrology</i> , 2011, 52, 665-690.	2.8	36
28	On the onset and evolution of the Ross-orogeny magmatism in North Victoria Land, Antarctica. <i>Chemical Geology</i> , 2007, 240, 103-128.	3.3	34
29	The midgut ultrastructure of the endoparasite <i>Xenos vesparum</i> (Rossi) (Insecta, Strepsiptera) during post-embryonic development and stable carbon isotopic analyses of the nutrient uptake. <i>Arthropod Structure and Development</i> , 2007, 36, 183-197.	1.4	34
30	The magmatic-hydrothermal transition in the lower oceanic crust: Clues from the Ligurian ophiolites, Italy. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 130, 188-211.	3.9	34
31	Holocene Critical Zone dynamics in an Alpine catchment inferred from a speleothem multiproxy record: disentangling climate and human influences. <i>Scientific Reports</i> , 2019, 9, 17829.	3.3	32
32	Oxygen and hydrogen isotope heterogeneity of clinopyroxene megacrysts from Nushan Volcano, SE China. <i>Chemical Geology</i> , 2004, 209, 137-151.	3.3	31
33	Fluid-Rock Interaction in UHP Phengite-Kyanite-Epidote Eclogite from the Sulu Orogen, Eastern China. <i>International Geology Review</i> , 2005, 47, 750-774.	2.1	30
34	Stable isotopes reveal Holocene changes in the diet of Adelie penguins in Northern Victoria Land (Ross Sea, Antarctica). <i>Oecologia</i> , 2010, 164, 911-919.	2.0	29
35	Origin of hydrous fluids at seismogenic depth: Constraints from natural and experimental fault rocks. <i>Earth and Planetary Science Letters</i> , 2014, 385, 97-109.	4.4	29
36	Fluid history related to the early Eocene-middle Miocene convergent system of the Northern Apennines (Italy): Constraints from structural and isotopic studies. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	27

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37	Erupted cumulate fragments in rhyolites from Lipari (Aeolian Islands). <i>Contributions To Mineralogy and Petrology</i> , 2015, 170, 1.	3.1	27
38	Geochemical and Isotopic Properties of Fluids from Gold-Bearing and Barren Quartz Veins of the Sovetskoye Gold Deposit (Siberia, Russia). <i>Economic Geology</i> , 2010, 105, 375-394.	3.8	24
39	Mantle refertilization and magmatism in old orogenic regions: The role of late-orogenic pyroxenites. <i>Lithos</i> , 2015, 232, 49-75.	1.4	24
40	Amphibole megacrysts as a probe into the deep plumbing system of Merapi volcano, Central Java, Indonesia. <i>Contributions To Mineralogy and Petrology</i> , 2017, 172, 1.	3.1	23
41	Heavy oxygen recycled into the lithospheric mantle. <i>Scientific Reports</i> , 2019, 9, 8793.	3.3	23
42	Petrogenesis of Early Permian olivine-bearing cumulates and associated basalt dykes from Bocca di Tenda (Northern Corsica): Implications for post-collisional Variscan evolution. <i>Chemical Geology</i> , 2009, 259, 190-203.	3.3	21
43	Oxygen isotope evidence for crustal assimilation and magma mixing in the Granite Harbour Intrusives, Northern Victoria Land, Antarctica. <i>Lithos</i> , 2003, 67, 135-151.	1.4	20
44	A 19 to 17 Ma amagmatic extension event at the Mid-Atlantic Ridge: Ultramafic mylonites from the Vema Lithospheric Section. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	19
45	Origin of CO ₂ and carbonate veins in mantle-derived xenoliths in the Pannonian Basin. <i>Lithos</i> , 2010, 117, 172-182.	1.4	18
46	Stable isotope and noble gas isotope compositions of inclusion fluids from Larderello geothermal field (Italy): Constraints to fluid origin and mixing processes. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 148, 152-164.	2.1	15
47	Fossil hydrothermal systems tracking Eocene climate change in Antarctica. <i>Geology</i> , 2001, 29, 931.	4.4	13
48	Subduction-related hybridization of the lithospheric mantle revealed by trace element and Sr-Nd-Pb isotopic data in composite xenoliths from Tallante (Betic Cordillera, Spain). <i>Lithos</i> , 2020, 352-353, 105316.	1.4	12
49	Recycled oceanic crust-derived fluids in the lithospheric mantle of eastern China: Constraints from oxygen isotope compositions of peridotite xenoliths. <i>Lithos</i> , 2015, 228-229, 55-61.	1.4	11
50	A record of Antarctic surface temperature between 25 and 50 m.y. ago. <i>Geology</i> , 2011, 39, 423-426.	4.4	8
51	High H ₂ O Content in Pyroxenes of Residual Mantle Peridotites at a Mid Atlantic Ridge Segment. <i>Scientific Reports</i> , 2020, 10, 579.	3.3	8
52	Determination of glycerol carbon stable isotope ratio for the characterization of Italian balsamic vinegars. <i>Journal of Food Composition and Analysis</i> , 2018, 69, 33-38.	3.9	7
53	Insights into the Holocene environmental setting of Terra Nova Bay region (Ross Sea, Antarctica) from oxygen isotope geochemistry of Adelie penguin eggshells. <i>Holocene</i> , 2012, 22, 63-69.	1.7	6
54	A method for the definition of the carbon oxidation number in the gases dissolved in waters and the redox variations using an elemental analyser (FlashEA 1112). Preliminary data from a stratified lake. <i>Journal of Geochemical Exploration</i> , 2013, 124, 14-21.	3.2	6

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55	Evidence of subduction-related components in sapphirine-bearing gabbroic dykes (Finero) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Europeâ€™Africa boundary. <i>Lithos</i> , 2020, 356-357, 105366.	1.4	5
56	Oxygen isotope geochemistry of the Granite Harbour Intrusives, Wilson Terrane, Northern Victoria Land, Antarctica. <i>Mineralogy and Petrology</i> , 2002, 75, 223-241.	1.1	3
57	Fluid-inclusion and stable-isotope evidence for fluid infiltration and veining during metamorphism in marbles and metapelites. <i>European Journal of Mineralogy</i> , 2000, 12, 231-246.	1.3	3
58	Stable Oxygen and Carbon Isotope Composition of Holocene Mytilidae from the Camarones Coast (Chubut, Argentina): Palaeoceanographic Implications. <i>Water (Switzerland)</i> , 2020, 12, 3464.	2.7	2