Massimo D'Antonio

List of Publications by Year
in descending order

92	4,307	125106 35	124990 64
papers	citations	h-index	g-index

93	93	93	3127
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Urban Development of Campi Flegrei, Italy. Active Volcanoes of the World, 2022, , 395-410.	1.0	1
2	Sr-Nd Isotopic Composition of Pyroxenes as a Provenance Indicator of a Double-Volcanic Source in Sands of the Ofanto River (Southern Italy). Minerals (Basel, Switzerland), 2022, 12, 232.	0.8	3
3	Mineral-Melt Equilibria and Geothermobarometry of Campi Flegrei Magmas: Inferences for Magma Storage Conditions. Minerals (Basel, Switzerland), 2022, 12, 308.	0.8	9
4	Linking the Mediterranean MIS 5 tephra markers to Campi Flegrei (southern Italy) 109â€“92Âka explosive activity and refining the chronology of MIS 5c-d millennial-scale climate variability. Global and Planetary Change, 2022, 211, 103785.	1.6	9
5	Petrogenesis of Miocene igneous rocks in the Tafresh area (central Urumiehâ€Dokhtar magmatic arc,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.6	9
6	Olivine melilitites, mantle xenoliths, and xenocrysts of the Takarindiona district: Petrogenesis, magmatic evolution, and the sub-continental lithospheric mantle of east-central Madagascar. Journal of African Earth Sciences, 2021, 174, 104059.	0.9	3
7	Constraints from geochemistry, zircon U-Pb geochronology and Hf-Nd isotopic compositions on the origin of Cenozoic volcanic rocks from central Urumieh-Dokhtar magmatic arc, Iran. Gondwana Research, 2021, 90, 27-46.	3.0	20
8	Hydrothermal alteration in Eshtehard volcanoes, Iran: Constraints from trace elements redistribution and stable isotope geochemistry. Journal of Geochemical Exploration, 2021, 222, 106719.	1.5	9
9	Petrography and Mineral Chemistry of Monte Epomeo Green Tuff, Ischia Island, South Italy: Constraints for Identification of the Y-7 Tephrostratigraphic Marker in Distal Sequences of the Central Mediterranean. Minerals (Basel, Switzerland), 2021, 11, 955.	0.8	5
10	Mediterranean tephrostratigraphy and peri-Tyrrhenian explosive activity revaluated in light of the 430-365 ka record from Fucino Basin (central Italy). Earth-Science Reviews, 2021, 220, 103706.	4.0	12
11	Unsupervised Geochemical Analysis of the Eruptive Products of Ischia, Vesuvius and Campi Flegrei. Smart Innovation, Systems and Technologies, 2021, , 175-184.	0.5	4
12	The Oligocene Avaj volcanic â€“ plutonic complex of Central Iran: A record of magma evolution and mineral equilibria. Journal of Asian Earth Sciences, 2021, 222, 104962.	1.0	7
13	The magmatic plumbing systems of the Campi Flegrei and Ischia volcanoes (Southern Italy) from chlorine constraints. , 2021, , .		0
14	Proximal to distal correlation of Campania tephra in the last 200 ka: insights from two successions drilled in the Campania Plain. , 2021, , .		0
15	A Messinian Gypsum Deposit in the Ionian Forearc Basin (Benestare, Calabria, Southern Italy): Origin and Paleoenvironmental Indications. Minerals (Basel, Switzerland), 2021, 11, 1305.	0.8	5
16	Chemical and isotopic (⁸⁷Sr/⁸⁶Sr and ¹⁴³Nd/¹⁴⁴Nd) fingerprinting of a stratigraphic sequence from the Acerno lacustrine basin (Southern Apennines,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		0
17	Sr isotopic composition as a tool for unraveling human mobility in the Campania area. Archaeological and Anthropological Sciences, 2020, 12, 1.	0.7	3
18	Geochemical and Srâ€“Nd isotopic features of the Zaro volcanic complex: insights on the magmatic processes triggering a small-scale prehistoric eruption at Ischia island (south Italy). International Journal of Earth Sciences, 2020, 109, 2829-2849.	0.9	7

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19	Analytical Method for Lithium Isotopes Determination by Thermal Ionization Mass Spectrometry: A Useful Tool for Hydrogeochemical Applications. Water (Switzerland), 2020, 12, 2182.	1.2	4
20	Uâ€“Pb Dating and Isotopic Composition of the Tafresh Intrusions in the Central Part of UDMA, Iran: Implication for Petrogenesis, the Role of Crust-Mantle Interaction and Geodynamic Process. , 2020, , .		0
21	The Origin of Tertiary High-Alumina Basalts in Central Urumieh-Dokhtar Magmatic Arc, Iran: Constraints from Geochemistry, U-Pb Geochronology and Nd-Hf Isotopes. , 2020, , .		0
22	The San Gregorio Magno lacustrine basin (Campania, southern Italy): improved characterization of the tephrostratigraphic markers based on trace elements and isotopic data. Journal of Quaternary Science, 2019, 34, 393-404.	1.1	13
23	Petrogenesis of the Solanas gabbro-granodiorite intrusion, SÃrrabus (southeastern Sardinia, Italy): implications for Late Variscan magmatism. International Journal of Earth Sciences, 2019, 108, 989-1012.	0.9	10
24	Volatile segregation and generation of highly vesiculated explosive magmas by volatile-melt fining processes: The case of the Campanian Ignimbrite eruption. Chemical Geology, 2019, 503, 1-14.	1.4	18
25	Mineralogical, geochemical and isotopic characteristics of alkaline mafic igneous rocks from Punta delle Pietre Nere (Gargano, Southern Italy). Lithos, 2018, 308-309, 316-328.	0.6	9
26	Tracking plumbing system dynamics at the Campi Flegrei caldera, Italy: High-resolution trace element mapping of the Astroni crystal cargo. Lithos, 2018, 318-319, 464-477.	0.6	23
27	Sr-Nd isotopic fingerprinting as a tool for ceramic provenance: Its application on raw materials, ceramic replicas and ancient pottery. Journal of Archaeological Science, 2018, 94, 51-59.	1.2	31
28	Gravity modeling finds a large magma body in the deep crust below the Gulf of Naples, Italy. Scientific Reports, 2018, 8, 8229.	1.6	40
29	Coupled Î´18O-Î´17O and 87Sr/86Sr isotope compositions suggest a radiogenic and 18O-enriched magma source for Neapolitan volcanoes (Southern Italy). Lithos, 2018, 316-317, 199-211.	0.6	14
30	Late Oligoceneâ€“Miocene mantle upwelling and interaction inferred from mantle signatures in gabbroic to granitic rocks from the Urumiehâ€“Dokhtar arc, south Ardestan, Iran. International Geology Review, 2017, 59, 1590-1608.	1.1	45
31	Timescales of magmatic processes prior to the â^¼4.7 ka Agnano-Monte Spina eruption (Campi Flegrei) Tj ETQq1 1 0.784314 rgBT /Ov Volcanology, 2017, 79, 1.	1.1	22
32	Evidence for an intra-oceanic affinity of the serpentinized peridotites from the Mt. Pollino ophiolites (Southern Ligurian Tethys): Insights into the peculiar tectonic evolution of the Southern Apennines. Lithos, 2017, 284-285, 367-380.	0.6	9
33	The post-collisional late Variscan ferroan granites of southern Sardinia (Italy): Inferences for inhomogeneity of lower crust. Lithos, 2017, 294-295, 263-282.	0.6	21
34	Thermally-assisted Magma Emplacement Explains Restless Calderas. Scientific Reports, 2017, 7, 7948.	1.6	25
35	Source and magmatic evolution inferred from geochemical and Sr-O-isotope data on hybrid lavas of Arso, the last eruption at Ischia island (Italy; 1302 AD). Journal of Volcanology and Geothermal Research, 2017, 331, 1-15.	0.8	14
36	Combined Sr-Nd isotopic and geochemical fingerprinting as a tool for identifying tephra layers: Application to deep-sea cores from Eastern Mediterranean Sea. Chemical Geology, 2016, 443, 121-136.	1.4	21

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37	Open-system magma evolution and fluid transfer at Campi Flegrei caldera (Southern Italy) during the past 5 ka as revealed by geochemical and isotopic data: The example of the Nisida eruption. Chemical Geology, 2016, 427, 109-124.	1.4	37
38	Insights into the Structure and Surface Geology of Isla Socorro, Mexico, from Airborne Magnetic and Gamma-Ray Surveys. Surveys in Geophysics, 2016, 37, 601-623.	2.1	15
39	Isotopic microanalysis sheds light on the magmatic endmembers feeding volcanic eruptions: The Astroni 6 case study (Campi Flegrei, Italy). Journal of Volcanology and Geothermal Research, 2015, 304, 24-37.	0.8	20
40	Subduction-related enrichment of the Neapolitan volcanoes (Southern Italy) mantle source: New constraints on the characteristics of the slab-derived components. Chemical Geology, 2014, 386, 165-183.	1.4	53
41	Geochemical and isotopic insights into the assembly, evolution and disruption of a magmatic plumbing system before and after a cataclysmic caldera-collapse eruption at Ischia volcano (Italy). Contributions To Mineralogy and Petrology, 2014, 168, 1.	1.2	48
42	Genesis and evolution of mafic and felsic magmas at Quaternary volcanoes within the Main Ethiopian Rift: Insights from Gedemsa and Fanta 'Ale complexes. Lithos, 2014, 188, 130-144.	0.6	39
43	Mantle and crustal processes in the magmatism of the Campania region: inferences from mineralogy, geochemistry, and Srâ€“Ndâ€“O isotopes of young hybrid volcanics of the Ischia island (South Italy). Contributions To Mineralogy and Petrology, 2013, 165, 1173-1194.	1.2	42
44	Quantitative models of hydrothermal fluidâ€“mineral reaction: The Ischia case. Geochimica Et Cosmochimica Acta, 2013, 105, 108-129.	1.6	16
45	The structural setting of the Ischia Island (Phlegrean Volcanic District, Southern Italy): Inferences from geophysics and geochemistry. Journal of Volcanology and Geothermal Research, 2013, 249, 155-173.	0.8	36
46	The Deep Plumbing System of Ischia: a Physico-chemical Window on the Fluid-saturated and CO2-sustained Neapolitan Volcanism (Southern Italy). Journal of Petrology, 2013, 54, 951-984.	1.1	56
47	The active portion of the Campi Flegrei caldera structure imaged by 3â€Ð inversion of gravity data. Geochemistry, Geophysics, Geosystems, 2013, 14, 4681-4697.	1.0	59
48	Fluid channeling along thrust zones: the Lagonegro case history, southern Apennines, Italy. Geofluids, 2013, 13, 140-158.	0.3	18
49	The magmatic feeding system of the Campi Flegrei caldera: Architecture and temporal evolution. Chemical Geology, 2011, 281, 227-241.	1.4	113
50	Lithology of the basement underlying the Campi Flegrei caldera: Volcanological and petrological constraints. Journal of Volcanology and Geothermal Research, 2011, 200, 91-98.	0.8	35
51	The Averno 2 fissure eruption: a recent small-size explosive event at the Campi Flegrei Caldera (Italy). Bulletin of Volcanology, 2011, 73, 295-320.	1.1	51
52	1H MAS NMR characterization of hydrous species in volcanic glasses from the Phlegrean Volcanic District (South Italy). Neues Jahrbuch Fur Mineralogie, Abhandlungen, 2010, 187, 23-31.	0.1	0
53	Geochemical and Bâ€“Srâ€“Nd isotopic evidence for mingling and mixing processes in the magmatic system that fed the Astroni volcano (4.1â€“3.8Âka) within the Campi Flegrei caldera (southern Italy). Lithos, 2009, 107, 135-151.	0.6	79
54	Components and processes in the magma genesis of the Phlegrean Volcanic District, southern Italy. , 2007, , .		30

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55	Slab disruption, mantle circulation, and the opening of the Tyrrhenian basins. , 2007, , .		29
56	Magmatic History of Sommaâ€“Vesuvius on the Basis of New Geochemical and Isotopic Data from a Deep Borehole (Camaldoli della Torre). Journal of Petrology, 2007, 48, 753-784.	1.1	145
57	Petrogenesis of the Early Cenozoic potassic alkaline complex of Morro de SÃ£o JoÃ£o, southeastern Brazil. Journal of South American Earth Sciences, 2007, 24, 93-115.	0.6	41
58	Shallow slab fluid release across and along the Mariana arcâ€basin system: Insights from geochemistry of serpentinized peridotites from the Mariana fore arc. Journal of Geophysical Research, 2007, 112, .	3.3	142
59	Thermal model of the Vesuvius magma chamber. Geophysical Research Letters, 2006, 33, .	1.5	19
60	Initiation and evolution of intra-oceanic subduction in the Uralides: Geochemical and isotopic constraints from Devonian oceanic rocks of the Southern Urals, Russia. Island Arc, 2006, 15, 7-25.	0.5	24
61	Petrology and Geochemistry of West Philippine Basin Basalts and Early Palauâ€“Kyushu Arc Volcanic Clasts from ODP Leg 195, Site 1201D: Implications for the Early History of the Izuâ€“Boninâ€“Mariana Arc. Journal of Petrology, 2006, 47, 277-299.	1.1	74
62	Hydrothermal alteration of oceanic crust in the West Philippine Sea Basin (Ocean Drilling Program) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 83, 87-112.	0.4	14
63	REPLY TO CAPITANIO 2005: Mineralogic and bulk rock composition of Italian wollastonite- and melilite-bearing paralava and clinker: Further evidence of their pyrometamorphic nature. American Mineralogist, 2005, 90, 1940-1944.	0.9	12
64	REPLY TO STOPPA ET AL. 2005: Wollastonite- anorthite- gehlenite-, and fassaite-bearing rocks: Igneous petrological oddity or paralavas?. American Mineralogist, 2005, 90, 1926-1933.	0.9	10
65	Geochemistry of serpentinized peridotites from the Mariana Forearc Conical Seamount, ODP Leg 125: Implications for the elemental recycling at subduction zones. Geochemistry, Geophysics, Geosystems, 2005, 6, n/a-n/a.	1.0	183
66	Constraints on mantle circulation around the deforming Calabrian slab. Geophysical Research Letters, 2005, 32, .	1.5	114
67	Petrology and mineralogy of wollastonite- and melilite-bearing paralavas from the Central Apennines, Italy. American Mineralogist, 2004, 88, 1287-1299.	0.9	42
68	Thermal and geochemical constraints on the â€˜deepâ€™ magmatic structure of Mt. Vesuvius. Journal of Volcanology and Geothermal Research, 2004, 133, 1-12.	0.8	55
69	B/Nb and Î´11B systematics in the Phlegrean Volcanic District, Italy. Journal of Volcanology and Geothermal Research, 2004, 133, 123-139.	0.8	69
70	The Astroni volcano: the only example of closely spaced eruptions in the same vent area during the recent history of the Campi Flegrei caldera (Italy). Journal of Volcanology and Geothermal Research, 2004, 133, 171-192.	0.8	94
71	Serpentine and brucite of ultramafic clasts from the South Chamorro Seamount (Ocean Drilling) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Mineralogical Magazine, 2004, 68, 887-904.	0.6	60
72	Petrogenesis of calc-alkaline and shoshonitic post-collisional Oligocene volcanics of the Cover Series of the Sesia Zone, Western Italian Alps. Geodinamica Acta, 2004, 17, 1-29.	2.2	34

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73	The structure of dense and vesiculated volcanic glass fragments from the Astroni tephra (Phlegraean) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 14 magma ascent. Journal of Non-Crystalline Solids, 2003, 323, 54-67.	1.5	4
74	The tholeiitic dyke swarm of the Arraial do Cabo peninsula (SE Brazil): 39Ar/40Ar ages, petrogenesis, and regional significance. Journal of South American Earth Sciences, 2003, 16, 163-176.	0.6	28
75	Evidence for Multi-stage Magmatic Evolution during the past 60 kyr at Campi Flegrei (Italy) Deduced from Sr, Nd and Pb Isotope Data. Journal of Petrology, 2002, 43, 1415-1434.	1.1	115
76	Arc-continent collision in the Southern Urals: Petrogenetic aspects of the forearc-arc complex. Geophysical Monograph Series, 2002, , 101-134.	0.1	21
77	Source contamination and mantle heterogeneity in the genesis of Italian potassic and ultrapotassic volcanic rocks: Sr-Nd-Pb isotope data from Roman Province and Southern Tuscany. Mineralogy and Petrology, 2002, 74, 189-222.	0.4	186
78	Geochemistry and petrogenesis of sodic and potassic mafic alkaline rocks in the Deccan Volcanic Province, Mumbai Area (India). Mineralogy and Petrology, 2002, 74, 323-342.	0.4	34
79	Petrogenesis of the Late Cretaceous tholeiitic magmatism in the passive margins of northeastern Madagascar. , 2002, , .		7
80	Significance of orthopyroxene and major element constraints on the petrogenesis of Ferrar tholeiites from southern Prince Albert Mountains, Victoria Land, Antarctica. Contributions To Mineralogy and Petrology, 2001, 142, 127-146.	1.2	17
81	Reply to the comment by J. Hergt on the paper "Enriched mantle - Dupal signature in the genesis of the Jurassic Ferrar tholeiites from Prince Albert Mountains (Victoria Land, Antarctica)" by Antonini et al. (Contributions to Mineralogy and Petrology 136: 1-19, 1999). Contributions To Mineralogy and Petrology, 2000, 139, 245-249.	1.2	2
82	Mantle source heterogeneity in the Campanian Region (South Italy) as inferred from geochemical and isotopic features of mafic volcanic rocks with shoshonitic affinity. Mineralogy and Petrology, 1999, 67, 163-192.	0.4	78
83	Enriched mantle - Dupal signature in the genesis of the Jurassic Ferrar tholeiites from Prince Albert Mountains (Victoria Land, Antarctica). Contributions To Mineralogy and Petrology, 1999, 136, 1-19.	1.2	44
84	Chemical and Sr-isotopical evolution of the Phlegraean magmatic system before the Campanian Ignimbrite and the Neapolitan Yellow Tuff eruptions. Journal of Volcanology and Geothermal Research, 1999, 91, 141-166.	0.8	207
85	Volcanism and deformation since 12,000 years at the Campi Flegrei caldera (Italy). Journal of Volcanology and Geothermal Research, 1999, 91, 221-246.	0.8	429
86	The present state of the magmatic system of the Campi Flegrei caldera based on a reconstruction of its behavior in the past 12 ka. Journal of Volcanology and Geothermal Research, 1999, 91, 247-268.	0.8	137
87	The Agnanoâ€“Monte Spina eruption (4100 years BP) in the restless Campi Flegrei caldera (Italy). Journal of Volcanology and Geothermal Research, 1999, 91, 269-301.	0.8	203
88	Geochronology and petrology of Cretaceous basaltic magmatism in the Kwanza basin (western) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14 Geodynamics, 1999, 28, 341-356.	0.7	114
89	Source characteristics of the basement rocks from the Sulu and Celebes Basins (Western Pacific): chemical and isotopic evidence. Contributions To Mineralogy and Petrology, 1996, 123, 159-176.	1.2	31
90	Step-filling and development of a three-layer magma chamber: the Neapolitan Yellow Tuff case history. Journal of Volcanology and Geothermal Research, 1995, 67, 291-312.	0.8	113

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91	The Neapolitan Yellow Tuff, a large-magnitude trachytic phreatoplinian eruption: eruptive dynamics, magma withdrawal and caldera collapse. Journal of Volcanology and Geothermal Research, 1992, 53, 275-287.	0.8	167
92	Petrogenesis of Italian Alkaline Lavas Deduced from Pb-Sr-Nd Isotope Relationships. Geophysical Monograph Series, 0, , 253-267.	0.1	36