

Massimo D Antonio

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87
papers

3,541
citations

32
h-index

58
g-index

93
ext. papers

3,886
ext. citations

2.9
avg, IF

4.94
L-index

#	Paper	IF	Citations
87	Volcanism and deformation since 12,000 years at the Campi Flegrei caldera (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 1999 , 91, 221-246	2.8	375
86	The Agnano-Monte Spina eruption (4100 years BP) in the restless Campi Flegrei caldera (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 1999 , 91, 269-301	2.8	182
85	Chemical and Sr-isotopical evolution of the Phlegraean magmatic system before the Campanian Ignimbrite and the Neapolitan Yellow Tuff eruptions. <i>Journal of Volcanology and Geothermal Research</i> , 1999 , 91, 141-166	2.8	177
84	Geochemistry of serpentinized peridotites from the Mariana Forearc Conical Seamount, ODP Leg 125: Implications for the elemental recycling at subduction zones. <i>Geochemistry, Geophysics, Geosystems</i> , 2005 , 6, n/a-n/a	3.6	152
83	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. <i>Mineralogy and Petrology</i> , 2002 , 74, 189-222	1.6	146
82	The Neapolitan Yellow Tuff, a large-magnitude trachytic phreatoplinian eruption: eruptive dynamics, magma withdrawal and caldera collapse. <i>Journal of Volcanology and Geothermal Research</i> , 1992 , 53, 275-287	2.8	145
81	The present state of the magmatic system of the Campi Flegrei caldera based on a reconstruction of its behavior in the past 12 ka. <i>Journal of Volcanology and Geothermal Research</i> , 1999 , 91, 247-268	2.8	123
80	Shallow slab fluid release across and along the Mariana arc-basin system: Insights from geochemistry of serpentinized peridotites from the Mariana fore arc. <i>Journal of Geophysical Research</i> , 2007 , 112,		119
79	The magmatic feeding system of the Campi Flegrei caldera: Architecture and temporal evolution. <i>Chemical Geology</i> , 2011 , 281, 227-241	4.2	105
78	Magmatic History of Somma-Vesuvius on the Basis of New Geochemical and Isotopic Data from a Deep Borehole (Camaldoli della Torre). <i>Journal of Petrology</i> , 2007 , 48, 753-784	3.9	105
77	Step-filling and development of a three-layer magma chamber: the Neapolitan Yellow Tuff case history. <i>Journal of Volcanology and Geothermal Research</i> , 1995 , 67, 291-312	2.8	103
76	Evidence for Multi-stage Magmatic Evolution during the past 60 kyr at Campi Flegrei (Italy) Deduced from Sr, Nd and Pb Isotope Data. <i>Journal of Petrology</i> , 2002 , 43, 1415-1434	3.9	102
75	Geochronology and petrology of Cretaceous basaltic magmatism in the Kwanza basin (western Angola), and relationships with the Paran-Etendeka continental flood basalt province. <i>Journal of Geodynamics</i> , 1999 , 28, 341-356	2.2	96
74	Constraints on mantle circulation around the deforming Calabrian slab. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	91
73	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). <i>Journal of Volcanology and Geothermal Research</i> , 2004 , 133, 171-192	2.8	80
72	Geochemical and B-Sr-Nd isotopic evidence for mingling and mixing processes in the magmatic system that fed the Astroni volcano (4.18-8.1ka) within the Campi Flegrei caldera (southern Italy). <i>Lithos</i> , 2009 , 107, 135-151	2.9	74
71	Mantle source heterogeneity in the Campanian Region (South Italy) as inferred from geochemical and isotopic features of mafic volcanic rocks with shoshonitic affinity. <i>Mineralogy and Petrology</i> , 1999 , 67, 163-192	1.6	68

70	Petrology and Geochemistry of West Philippine Basin Basalts and Early Palau-Kyushu Arc Volcanic Clasts from ODP Leg 195, Site 1201D: Implications for the Early History of the Izu-Bonin-Mariana Arc. <i>Journal of Petrology</i> , 2006 , 47, 277-299	3.9	66
69	B/Nb and $\epsilon^{118}\text{B}$ systematics in the Phlegrean Volcanic District, Italy. <i>Journal of Volcanology and Geothermal Research</i> , 2004 , 133, 123-139	2.8	63
68	The active portion of the Campi Flegrei caldera structure imaged by 3-D inversion of gravity data. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 4681-4697	3.6	53
67	Thermal and geochemical constraints on the deep magmatic structure of Mt. Vesuvius. <i>Journal of Volcanology and Geothermal Research</i> , 2004 , 133, 1-12	2.8	48
66	Serpentine and brucite of ultramafic clasts from the South Chamorro Seamount (Ocean Drilling Program Leg 195, Site 1200): inferences for the serpentinization of the Mariana forearc mantle. <i>Mineralogical Magazine</i> , 2004 , 68, 887-904	1.7	48
65	The Deep Plumbing System of Ischia: a Physico-chemical Window on the Fluid-saturated and CO ₂ -sustained Neapolitan Volcanism (Southern Italy). <i>Journal of Petrology</i> , 2013 , 54, 951-984	3.9	47
64	The Averno 2 fissure eruption: a recent small-size explosive event at the Campi Flegrei Caldera (Italy). <i>Bulletin of Volcanology</i> , 2011 , 73, 295-320	2.4	44
63	Subduction-related enrichment of the Neapolitan volcanoes (Southern Italy) mantle source: New constraints on the characteristics of the slab-derived components. <i>Chemical Geology</i> , 2014 , 386, 165-183 ^{4.2}	4.2	40
62	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). <i>Contributions To Mineralogy and Petrology</i> , 2014 , 168, 1	3.5	38
61	Enriched mantle DUPAL signature in the genesis of the Jurassic Ferrar tholeiites from Prince Albert Mountains (Victoria Land, Antarctica). <i>Contributions To Mineralogy and Petrology</i> , 1999 , 136, 1-19	3.5	38
60	Mantle and crustal processes in the magmatism of the Campania region: inferences from mineralogy, geochemistry, and Sr-Nd isotopes of young hybrid volcanics of the Ischia island (South Italy). <i>Contributions To Mineralogy and Petrology</i> , 2013 , 165, 1173-1194	3.5	37
59	Genesis and evolution of mafic and felsic magmas at Quaternary volcanoes within the Main Ethiopian Rift: Insights from Gedemsa and Fanta 'Ale complexes. <i>Lithos</i> , 2014 , 188, 130-144	2.9	35
58	Petrogenesis of the Early Cenozoic potassic alkaline complex of Morro de São João, southeastern Brazil. <i>Journal of South American Earth Sciences</i> , 2007 , 24, 93-115	2	34
57	Lithology of the basement underlying the Campi Flegrei caldera: Volcanological and petrological constraints. <i>Journal of Volcanology and Geothermal Research</i> , 2011 , 200, 91-98	2.8	33
56	Geochemistry and petrogenesis of sodic and potassic mafic alkaline rocks in the Deccan Volcanic Province, Mumbai Area (India). <i>Mineralogy and Petrology</i> , 2002 , 74, 323-342	1.6	32
55	The structural setting of the Ischia Island (Phlegrean Volcanic District, Southern Italy): Inferences from geophysics and geochemistry. <i>Journal of Volcanology and Geothermal Research</i> , 2013 , 249, 155-173 ^{2.8}	2.8	31
54	Late Oligocene-Miocene mantle upwelling and interaction inferred from mantle signatures in gabbroic to granitic rocks from the Urumieh-Dokhtar arc, south Ardestan, Iran. <i>International Geology Review</i> , 2017 , 59, 1590-1608	2.3	29
53	Petrogenesis of calc-alkaline and shoshonitic post-collisional Oligocene volcanics of the Cover Series of the Sesia Zone, Western Italian Alps. <i>Geodinamica Acta</i> , 2004 , 17, 1-29	2	29

52	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. <i>Chemical Geology</i> , 2016 , 427, 109-124	4.2	28
51	Petrology and mineralogy of wollastonite- and melilite-bearing paralavas from the Central Apennines, Italy. <i>American Mineralogist</i> , 2004 , 88, 1287-1299	2.9	28
50	Components and processes in the magma genesis of the Phlegrean Volcanic District, southern Italy 2007 ,		26
49	Gravity modeling finds a large magma body in the deep crust below the Gulf of Naples, Italy. <i>Scientific Reports</i> , 2018 , 8, 8229	4.9	26
48	Source characteristics of the basement rocks from the Sulu and Celebes Basins (Western Pacific): chemical and isotopic evidence. <i>Contributions To Mineralogy and Petrology</i> , 1996 , 123, 159-176	3.5	25
47	Initiation and evolution of intra-oceanic subduction in the Uralides: Geochemical and isotopic constraints from Devonian oceanic rocks of the Southern Urals, Russia. <i>Island Arc</i> , 2006 , 15, 7-25	2	24
46	Petrogenesis of Italian Alkaline Lavas Deduced from Pb-Sr-Nd Isotope Relationships. <i>Geophysical Monograph Series</i> , 2013 , 253-267	1.1	23
45	Slab disruption, mantle circulation, and the opening of the Tyrrhenian basins 2007 ,		23
44	Sr-Nd isotopic fingerprinting as a tool for ceramic provenance: Its application on raw materials, ceramic replicas and ancient pottery. <i>Journal of Archaeological Science</i> , 2018 , 94, 51-59	2.9	22
43	The tholeiitic dyke swarm of the Arraial do Cabo peninsula (SE Brazil): $^{39}\text{Ar}/^{40}\text{Ar}$ ages, petrogenesis, and regional significance. <i>Journal of South American Earth Sciences</i> , 2003 , 16, 163-176	2	21
42	Timescales of magmatic processes prior to the ~4.7 ka Agnano-Monte Spina eruption (Campi Flegrei caldera, Southern Italy) based on diffusion chronometry from sanidine phenocrysts. <i>Bulletin of Volcanology</i> , 2017 , 79, 1	2.4	20
41	Thermally-assisted Magma Emplacement Explains Restless Calderas. <i>Scientific Reports</i> , 2017 , 7, 7948	4.9	17
40	Combined Sr-Nd isotopic and geochemical fingerprinting as a tool for identifying tephra layers: Application to deep-sea cores from Eastern Mediterranean Sea. <i>Chemical Geology</i> , 2016 , 443, 121-136	4.2	17
39	Tracking plumbing system dynamics at the Campi Flegrei caldera, Italy: High-resolution trace element mapping of the Astroni crystal cargo. <i>Lithos</i> , 2018 , 318-319, 464-477	2.9	17
38	The post-collisional late Variscan ferroan granites of southern Sardinia (Italy): Inferences for inhomogeneity of lower crust. <i>Lithos</i> , 2017 , 294-295, 263-282	2.9	16
37	Quantitative models of hydrothermal fluid-mineral reaction: The Ischia case. <i>Geochimica Et Cosmochimica Acta</i> , 2013 , 105, 108-129	5.5	16
36	Thermal model of the Vesuvius magma chamber. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	16
35	Arc-Continent Collision in the Southern Urals: Petrogenetic Aspects of the Forearc-Arc Complex. <i>Geophysical Monograph Series</i> , 2002 , 101-134	1.1	16

34	Isotopic microanalysis sheds light on the magmatic endmembers feeding volcanic eruptions: The Astroni 6 case study (Campi Flegrei, Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2015 , 304, 24-37	2.8	15
33	Significance of orthopyroxene and major element constraints on the petrogenesis of Ferrar tholeiites from southern Prince Albert Mountains, Victoria Land, Antarctica. <i>Contributions To Mineralogy and Petrology</i> , 2001 , 142, 127-146	3.5	15
32	Volatile segregation and generation of highly vesiculated explosive magmas by volatile-melt fining processes: The case of the Campanian Ignimbrite eruption. <i>Chemical Geology</i> , 2019 , 503, 1-14	4.2	13
31	Coupled $\delta^{18}\text{O}$ - $\delta^{17}\text{O}$ and $87\text{Sr}/86\text{Sr}$ isotope compositions suggest a radiogenic and ^{18}O -enriched magma source for Neapolitan volcanoes (Southern Italy). <i>Lithos</i> , 2018 , 316-317, 199-211	2.9	11
30	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). <i>Journal of Volcanology and Geothermal Research</i> , 2017 , 331, 1-15	2.8	11
29	Fluid channeling along thrust zones: the Lagonegro case history, southern Apennines, Italy. <i>Geofluids</i> , 2013 , 13, 140-158	1.5	11
28	Hydrothermal alteration of oceanic crust in the West Philippine Sea Basin (Ocean Drilling Program Leg 195, Site 1201): inferences from a mineral chemistry investigation. <i>Mineralogy and Petrology</i> , 2005 , 83, 87-112	1.6	11
27	Insights into the Structure and Surface Geology of Isla Socorro, Mexico, from Airborne Magnetic and Gamma-Ray Surveys. <i>Surveys in Geophysics</i> , 2016 , 37, 601-623	7.6	10
26	Reply to Capitanio 2005. Mineralogic and bulk rock composition of Italian wollastonite- and melilite-bearing paralava and clinker: Further evidence of their pyrometamorphic nature. <i>American Mineralogist</i> , 2005 , 90, 1940-1944	2.9	8
25	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. <i>Lithos</i> , 2017 , 284-285, 367-380	2.9	7
24	The San Gregorio Magno lacustrine basin (Campania, southern Italy): improved characterization of the tephrostratigraphic markers based on trace elements and isotopic data. <i>Journal of Quaternary Science</i> , 2019 , 34, 393-404	2.3	7
23	Reply to stoppa et.al. 2005. Wollastonite- anorthite- gehlenite-, and fassaite-bearing rocks: Igneous petrological oddity or paralavas?. <i>American Mineralogist</i> , 2005 , 90, 1926-1933	2.9	7
22	Petrogenesis of the Late Cretaceous tholeiitic magmatism in the passive margins of northeastern Madagascar 2002 ,		6
21	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. <i>Gondwana Research</i> , 2021 , 90, 27-46	5.1	6
20	Petrogenesis of the Solanas gabbro-granodiorite intrusion, S'irabus (southeastern Sardinia, Italy): implications for Late Variscan magmatism. <i>International Journal of Earth Sciences</i> , 2019 , 108, 989-1012	2.2	5
19	Mineralogical, geochemical and isotopic characteristics of alkaline mafic igneous rocks from Punta delle Pietre Nere (Gargano, Southern Italy). <i>Lithos</i> , 2018 , 308-309, 316-328	2.9	4
18	The structure of dense and vesiculated volcanic glass fragments from the Astroni tephra (Phlegraean fields, Italy) explored by spectroscopic techniques: implications on bubble expansion and dynamics of magma ascent. <i>Journal of Non-Crystalline Solids</i> , 2003 , 323, 54-67	3.9	4
17	Unsupervised Geochemical Analysis of the Eruptive Products of Ischia, Vesuvius and Campi Flegrei. <i>Smart Innovation, Systems and Technologies</i> , 2021 , 175-184	0.5	4

16	Mediterranean tephrostratigraphy and peri-Tyrrhenian explosive activity reevaluated in light of the 430-365 ka record from Fucino Basin (central Italy). <i>Earth-Science Reviews</i> , 2021 , 220, 103706	10.2	4
15	Geochemical and Sr/Nd isotopic features of the Zaro volcanic complex: insights on the magmatic processes triggering a small-scale prehistoric eruption at Ischia island (south Italy). <i>International Journal of Earth Sciences</i> , 2020 , 109, 2829-2849	2.2	3
14	Reply to the comment by J. Hergt on the paper Enriched mantle Nd-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: 119, 1999). <i>Contributions To Mineralogy and Petrology</i> , 2000 , 139, 245-249	3.5	2
13	A Messinian Gypsum Deposit in the Ionian Forearc Basin (Benestare, Calabria, Southern Italy): Origin and Paleoenvironmental Indications. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 1305	2.4	2
12	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. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 955	2.4	2
11	Sr isotopic composition as a tool for unraveling human mobility in the Campania area. <i>Archaeological and Anthropological Sciences</i> , 2020 , 12, 1	1.8	1
10	Hydrothermal alteration in Eshtehard volcanoes, Iran: Constraints from trace elements redistribution and stable isotope geochemistry. <i>Journal of Geochemical Exploration</i> , 2021 , 222, 106719	3.8	1
9	Olivine melilitites, mantle xenoliths, and xenocrysts of the Takarindiona district: Petrogenesis, magmatic evolution, and the sub-continental lithospheric mantle of east-central Madagascar. <i>Journal of African Earth Sciences</i> , 2021 , 174, 104059	2.2	1
8	Origin and Differentiation History of the Magmatic System Feeding the Campi Flegrei Volcanic Field (Italy) Constrained by Radiogenic and Stable Isotope Data. <i>Active Volcanoes of the World</i> , 2022 , 125-149	0.4	0
7	The Oligocene Avaj volcanic plutonic complex of Central Iran: A record of magma evolution and mineral equilibria. <i>Journal of Asian Earth Sciences</i> , 2021 , 222, 104962	2.8	0
6	Sr-Nd Isotopic Composition of Pyroxenes as a Provenance Indicator of a Double-Volcanic Source in Sands of the Ofanto River (Southern Italy). <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 232	2.4	0
5	Mineral-Melt Equilibria and Geothermobarometry of Campi Flegrei Magmas: Inferences for Magma Storage Conditions. <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 308	2.4	0
4	Linking the Mediterranean MIS 5 tephra markers to Campi Flegrei (southern Italy) 109±2 ka explosive activity and refining the chronology of MIS 5c-d millennial-scale climate variability. <i>Global and Planetary Change</i> , 2022 , 211, 103785	4.2	0
3	¹ H MAS NMR characterization of hydrous species in volcanic glasses from the Phlegrean Volcanic District (South Italy). <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2010 , 187, 23-31	1	
2	The Urban Development of Campi Flegrei, Italy. <i>Active Volcanoes of the World</i> , 2022 , 395-410	0.4	
1	Analytical Method for Lithium Isotopes Determination by Thermal Ionization Mass Spectrometry: A Useful Tool for Hydrogeochemical Applications. <i>Water (Switzerland)</i> , 2020 , 12, 2182	3	