

Isaia Roberto

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1089889/publications.pdf>

Version: 2024-02-01

67
papers

4,441
citations

116194

36
h-index

116156

66
g-index

73
all docs

73
docs citations

73
times ranked

2839
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated on-land-offshore stratigraphy of the Campi Flegrei caldera: New insights into the volcano-tectonic evolution in the last 15 kyr. <i>Basin Research</i> , 2022, 34, 855-882.	1.3	10
2	Linking the Mediterranean MIS 5 tephra markers to Campi Flegrei (southern Italy) 109 ka explosive activity and refining the chronology of MIS 5c-d millennial-scale climate variability. <i>Global and Planetary Change</i> , 2022, 211, 103785.	1.6	9
3	Evidence of Seismic-Related Liquefaction Processes within the Volcanic Record of the Campi Flegrei Caldera (Italy). <i>Geosciences (Switzerland)</i> , 2022, 12, 241.	1.0	3
4	The impact of pyroclastic density currents duration on humans: the case of the AD 79 eruption of Vesuvius. <i>Scientific Reports</i> , 2021, 11, 4959.	1.6	12
5	Volcano-Tectonic Setting of the Pisciarelli Fumarole Field, Campi Flegrei Caldera, Southern Italy: Insights Into Fluid Circulation Patterns and Hazard Scenarios. <i>Tectonics</i> , 2021, 40, e2020TC006227.	1.3	21
6	The Pisciarelli main fumarole mechanisms reconstructed by electrical resistivity and induced polarization imaging. <i>Scientific Reports</i> , 2021, 11, 18639.	1.6	7
7	Modelling and physico-chemical constraints to the 4.5 ka Agnano-Monte Spina Plinian eruption (Campi Flegrei). <i>Journal of Volcanology and Geothermal Research</i> , 2021, 407, 107431.	1.4	14
8	Crystal-mush reactivation by magma recharge: Evidence from the Campanian Ignimbrite activity, Campi Flegrei volcanic field, Italy. <i>Lithos</i> , 2020, 376-377, 105780.	0.6	9
9	The Magnitude of the 39.8 ka Campanian Ignimbrite Eruption, Italy: Method, Uncertainties and Errors. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	22
10	Gravimetric Constraints on the Hydrothermal System of the Campi Flegrei Caldera. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019231.	1.4	11
11	Total grain size distribution of components of fallout deposits and implications for magma fragmentation mechanisms: examples from Campi Flegrei caldera (Italy). <i>Bulletin of Volcanology</i> , 2020, 82, 1.	1.1	12
12	Radial interpolation of GPS and leveling data of ground deformation in a resurgent caldera: application to Campi Flegrei (Italy). <i>Journal of Geodesy</i> , 2020, 94, 1.	1.6	27
13	High-resolution geological investigations to reconstruct the long-term ground movements in the last 15 kyr at Campi Flegrei caldera (southern Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2019, 385, 143-158.	0.8	36
14	Evidence for a large-magnitude eruption from Campi Flegrei caldera (Italy) at 29 ka. <i>Geology</i> , 2019, 47, 595-599.	2.0	56
15	Deep Electrical Resistivity Tomography for a 3D picture of the most active sector of Campi Flegrei caldera. <i>Scientific Reports</i> , 2019, 9, 15124.	1.6	18
16	Seismically Induced Soft Sediment Deformation Phenomena During the Volcano-Tectonic Activity of Campi Flegrei Caldera (Southern Italy) in the Last 15 kyr. <i>Tectonics</i> , 2019, 38, 1999-2018.	1.3	22
17	Tracking Volatile Behaviour in Sub-volcanic Plumbing Systems Using Apatite and Glass: Insights into Pre-eruptive Processes at Campi Flegrei, Italy. <i>Journal of Petrology</i> , 2018, 59, 2463-2492.	1.1	55
18	Sensitivity test and ensemble hazard assessment for tephra fallout at Campi Flegrei, Italy. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 351, 1-28.	0.8	24

#	ARTICLE	IF	CITATIONS
19	Complex Dome Growth at Campi Flegrei Caldera (Italy) in the Last 15 ka. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 8180-8197.	1.4	16
20	Magmatic reactivation of the Campi Flegrei volcanic system: insights from the Baia di Fondi eruption. <i>Bulletin of Volcanology</i> , 2018, 80, 1.	1.1	7
21	Relation between alternating open/closed-conduit conditions and deformation patterns: An example from the Somma-Vesuvius volcano (southern Italy). <i>Journal of Structural Geology</i> , 2018, 112, 138-153.	1.0	10
22	Holocene benthic foraminiferal and ostracod assemblages in a paleo-hydrothermal vent system of Campi Flegrei (Campania, South Italy). <i>Palaeontologia Electronica</i> , 2018, 21, .	0.9	9
23	Multidisciplinary studies of diffuse soil CO ₂ flux, gas permeability, self-potential, soil temperature highlight the structural architecture of Fondi di Baia craters (Campi Flegrei caldera, Italy). <i>Annals of Geophysics</i> , 2018, 61, .	0.5	3
24	Assessing future vent opening locations at the Somma-Vesuvio volcanic complex: 2. Probability maps of the caldera for a future Plinian/sub-Plinian event with uncertainty quantification. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 4357-4376.	1.4	28
25	High-precision ¹⁴ C and ⁴⁰ Ar/ ³⁹ Ar dating of the Campanian Ignimbrite (Y-5) reconciles the time-scales of climatic-cultural processes at 40 ka. <i>Scientific Reports</i> , 2017, 7, 45940.	1.6	166
26	The Baia di Fondi di Baia eruption at Campi Flegrei: stratigraphy and dynamics of a multi-stage caldera reactivation event. <i>Bulletin of Volcanology</i> , 2017, 79, 1.	1.1	15
27	The Effects of Vent Location, Event Scale, and Time Forecasts on Pyroclastic Density Current Hazard Maps at Campi Flegrei Caldera (Italy). <i>Frontiers in Earth Science</i> , 2017, 5, .	0.8	48
28	Hydrothermal activity and subsoil complexity: implication for degassing processes at Solfatara crater, Campi Flegrei caldera. <i>Bulletin of Volcanology</i> , 2017, 79, 1.	1.1	11
29	Simultaneous eruptions from multiple vents at Campi Flegrei (Italy) highlight new eruption processes at calderas. <i>Geology</i> , 2016, 44, 487-490.	2.0	21
30	Hydrothermal alteration of surficial rocks at Solfatara (Campi Flegrei): Petrophysical properties and implications for phreatic eruption processes. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 320, 128-143.	0.8	65
31	Temporal models for the episodic volcanism of Campi Flegrei caldera (Italy) with uncertainty quantification. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 7821-7845.	1.4	48
32	Experimental investigations on the explosivity of steam-driven eruptions: A case study of Solfatara volcano (Campi Flegrei). <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 7996-8014.	1.4	38
33	The Campi Flegrei Deep Drilling Project (CFDDP): New insight on caldera structure, evolution and hazard implications for the Naples area (Southern Italy). <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4836-4847.	1.0	45
34	Tephra dispersal during the Campanian Ignimbrite (Italy) eruption: implications for ultra-distal ash transport during the large caldera-forming eruption. <i>Bulletin of Volcanology</i> , 2016, 78, 1.	1.1	46
35	Late-stage volatile saturation as a potential trigger for explosive volcanic eruptions. <i>Nature Geoscience</i> , 2016, 9, 249-254.	5.4	110
36	Hazard of pyroclastic density currents at the Campi Flegrei Caldera (Southern Italy) as deduced from the combined use of facies architecture, physical modeling and statistics of the impact parameters. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 299, 35-53.	0.8	24

#	ARTICLE	IF	CITATIONS
37	Quantifying volcanic hazard at Campi Flegrei caldera (Italy) with uncertainty assessment: 1. Vent opening maps. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 2309-2329.	1.4	101
38	Quantifying volcanic hazard at Campi Flegrei caldera (Italy) with uncertainty assessment: 2. Pyroclastic density current invasion maps. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 2330-2349.	1.4	79
39	The major and trace element glass compositions of the productive Mediterranean volcanic sources: tools for correlating distal tephra layers in and around Europe. <i>Quaternary Science Reviews</i> , 2015, 118, 48-66.	1.4	108
40	Stratigraphy, structure, and volcano-tectonic evolution of Solfatara maar-diatreme (Campi Flegrei, Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2015, 150, 1-16.	1.6	73
41	Fractures and faults in volcanic rocks (Campi Flegrei, southern Italy): insight into volcano-tectonic processes. <i>International Journal of Earth Sciences</i> , 2014, 103, 801-819.	0.9	126
42	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.	0.6	39
43	Volcanic risk perception in the Campi Flegrei area. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 254, 118-130.	0.8	36
44	The late MIS 5 Mediterranean tephra markers: a reappraisal from peninsular Italy terrestrial records. <i>Quaternary Science Reviews</i> , 2012, 56, 31-45.	1.4	65
45	Quantifying volcanic ash dispersal and impact of the Campanian Ignimbrite super-eruption. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	125
46	Comment on "40Ar/39Ar dating of tuff vents in the Campi Flegrei caldera (southern Italy): toward a new chronostratigraphic reconstruction of the Holocene volcanic activity" by Fedele et al. [<i>Bull Volcanol</i> ; 73:1323-1336]. <i>Bulletin of Volcanology</i> , 2012, 74, 293-296.	1.1	9
47	Tephrostratigraphy and glass compositions of post-15 kyr Campi Flegrei eruptions: implications for eruption history and chronostratigraphic markers. <i>Quaternary Science Reviews</i> , 2011, 30, 3638-3660.	1.4	224
48	InSAR Permanent Scatterer analysis reveals fault re-activation during inflation and deflation episodes at Campi Flegrei caldera. <i>Remote Sensing of Environment</i> , 2010, 114, 2373-2383.	4.6	59
49	Re-assessing volcanic hazard maps for improving volcanic risk communication: application to Stromboli Island, Italy. <i>Journal of Maps</i> , 2010, 6, 260-269.	1.0	21
50	Tephra fallout hazard assessment at the Campi Flegrei caldera (Italy). <i>Bulletin of Volcanology</i> , 2009, 71, 259-273.	1.1	117
51	Caldera unrest prior to intense volcanism in Campi Flegrei (Italy) at 4.0 ka B.P.: Implications for caldera dynamics and future eruptive scenarios. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	113
52	The Campanian Ignimbrite and Codola tephra layers: Two temporal/stratigraphic markers for the Early Upper Palaeolithic in southern Italy and eastern Europe. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 177, 208-226.	0.8	140
53	Volcanic risk perception in the Vesuvius population. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 172, 244-258.	0.8	92
54	Explosive volcanism in the central Mediterranean area during the late Quaternary-linking sources and distal archives. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 177, v-vii.	0.8	8

#	ARTICLE	IF	CITATIONS
55	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.	0.8	94
56	Interaction between particles transported by fallout and surge in the deposits of the Agnano-Monte Spina eruption (Campi Flegrei, Southern Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2004, 133, 193-210.	0.8	54
57	Turbulent boundary layer shear flows as an approximation of base surges at Campi Flegrei (Southern Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2004, 133, 211-220.	0.8	70
58	Volcanic hazard assessment at the restless Campi Flegrei caldera. <i>Bulletin of Volcanology</i> , 2004, 66, 514-530.	1.1	221
59	The Campanian Ignimbrite Eruption, Heinrich Event 4, and palaeolithic change in Europe: A high-resolution investigation. <i>Geophysical Monograph Series</i> , 2003, , 301-325.	0.1	62
60	Ecosystem Impact of the Campanian Ignimbrite Eruption in Late Pleistocene Europe. <i>Quaternary Research</i> , 2002, 57, 420-424.	1.0	59
61	Statistical analysis of textural data from complex pyroclastic sequences: implications for fragmentation processes of the Agnano-Monte Spina Tephra (4.1 ka), Phlegraean Fields, southern Italy. <i>Bulletin of Volcanology</i> , 2001, 63, 443-461.	1.1	82
62	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.	0.8	207
63	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.	0.8	429
64	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.	0.8	137
65	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.	0.8	203
66	Short-term ground deformations and seismicity in the resurgent Campi Flegrei caldera (Italy): an example of active block-resurgence in a densely populated area. <i>Journal of Volcanology and Geothermal Research</i> , 1999, 91, 415-451.	0.8	190
67	Facing Volcanic and Related Hazards in the Neapolitan Area. <i>Special Publications</i> , 0, , 121-170.	0.0	19