

Giovanni Martinelli

List of Publications by Year in descending order

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76
papers

2,310
citations

318942

23
h-index

263392

45
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82
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82
docs citations

82
times ranked

2359
citing authors

#	ARTICLE	IF	CITATIONS
1	A Preliminary Assessment of Young Water Fractions in Groundwater from Alluvial Aquifers Facing the Northern Italian Apennines. <i>Water (Switzerland)</i> , 2022, 14, 659.	1.2	1
2	Tectonic-Related Geochemical and Hydrological Anomalies in Italy during the Last Fifty Years. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 107.	0.8	11
3	The Seismotectonic Significance of Geofluids in Italy. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	16
4	Editorial: Achievements and New Frontiers in Research Oriented to Earthquake Forecasting. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	1
5	Spatial and temporal variations of CO ₂ emissions from the active fault zones in the capital area of China. <i>Applied Geochemistry</i> , 2020, 112, 104489.	1.4	24
6	Fracture Analysis of $\hat{\pm}$ -Quartz Crystals Subjected to Shear Stress. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 870.	0.8	4
7	Geological and Geophysical Factors Constraining the Occurrence of Earthquake Precursors in Geofluids: A Review and Reinterpretation. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	9
8	Earthquake-Related Signals in Central Italy Detected by Hydrogeochemical and Satellite Techniques. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	20
9	Mineralogical and geochemical characteristics of hydrocarbon-bleached rocks in Baiyanggou mud volcanoes, Xinjiang, NW China. <i>Applied Geochemistry</i> , 2020, 116, 104572.	1.4	1
10	“Pre-Earthquake” Micro-Structural Effects Induced by Shear Stress on $\hat{\pm}$ -Quartz in Laboratory Experiments. <i>Geosciences (Switzerland)</i> , 2020, 10, 155.	1.0	8
11	An Attempt to Characterize the Recharge of Alluvial Fans Facing the Northern Italian Apennines: Indications from Water Stable Isotopes. <i>Water (Switzerland)</i> , 2020, 12, 1561.	1.2	4
12	New Applications in Gas Geochemistry. <i>Geofluids</i> , 2020, 2020, 1-3.	0.3	2
13	Previous, Current, and Future Trends in Research into Earthquake Precursors in Geofluids. <i>Geosciences (Switzerland)</i> , 2020, 10, 189.	1.0	26
14	Electromagnetic Emissions from Quartz Subjected to Shear Stress: Spectral Signatures and Geophysical Implications. <i>Geosciences (Switzerland)</i> , 2020, 10, 140.	1.0	10
15	The Analysis of Short-Term Dataset of Water Stable Isotopes Provides Information on Hydrological Processes Occurring in Large Catchments from the Northern Italian Apennines. <i>Water (Switzerland)</i> , 2019, 11, 1360.	1.2	8
16	Occurrence and Origin of H ₂ S from Volcanic Reservoirs in Niudong Area of the Santanghu Basin, NW China. <i>Geofluids</i> , 2019, 2019, 1-10.	0.3	6
17	Evidence of late-Holocene mud-volcanic eruptions in the Modena foothills (northern Italy). <i>Holocene</i> , 2019, 29, 975-991.	0.9	5
18	Assessment of the potential hazard represented by natural raw materials containing mineral fibres—The case of the feldspar from Orani, Sardinia (Italy). <i>Journal of Hazardous Materials</i> , 2018, 350, 76-87.	6.5	12

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19	Nitrate sources, accumulation and reduction in groundwater from Northern Italy: Insights provided by a nitrate and boron isotopic database. <i>Applied Geochemistry</i> , 2018, 91, 23-35.	1.4	79
20	Factors constraining the geographic distribution of earthquake geochemical and fluid-related precursors. <i>Chemical Geology</i> , 2017, 469, 176-184.	1.4	24
21	Geochemical monitoring of the 2012 Po Valley seismic sequence: A review and update. <i>Chemical Geology</i> , 2017, 469, 147-162.	1.4	6
22	Hexavalent chromium and some trace metals in concrete from buildings of different ages in northern Italy. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	2
23	Laboratory measurements on radon exposure effects on local environmental temperature: Implications for satellite TIR measurements. <i>Physics and Chemistry of the Earth</i> , 2015, 85-86, 114-118.	1.2	11
24	Italian Peat and Coal Fires. , 2015, , 39-73.		0
25	The LF radio anomaly observed before the $M_w = 6.5$ earthquake in Crete on October 12, 2013. <i>Physics and Chemistry of the Earth</i> , 2015, 85-86, 98-105.	1.2	5
26	Isotopic features of Emilia-Romagna region (North Italy) groundwaters: Environmental and climatological implications. <i>Journal of Hydrology</i> , 2014, 519, 1928-1938.	2.3	35
27	Evidence of deep-water inflow in a tectonic window of the northern Apennines (Italy). <i>Environmental Earth Sciences</i> , 2014, 72, 2389-2409.	1.3	8
28	On the possible origin of thermal infrared radiation (TIR) anomalies in earthquake-prone areas observed using robust satellite techniques (RST). <i>Chemical Geology</i> , 2013, 339, 157-168.	1.4	79
29	Fluid expulsion in terrestrial sedimentary basins: A process providing potential analogs for giant polygons and mounds in the martian lowlands. <i>Icarus</i> , 2013, 224, 424-432.	1.1	31
30	Springwater continuous monitoring in the L'Aquila area in concomitance with the April 2009 seismic swarm in central Italy: Constraining factors to possible deep-seated fluid emissions. <i>Chemical Geology</i> , 2013, 339, 169-176.	1.4	12
31	Geodynamically induced variations in the emission of CO_2 gas at San Faustino (Central Tj ETQq1 1 0.784314 rgBT /Ove 0,3 8		
32	Monitoring methane emission of mud volcanoes by seismic tremor measurements: a pilot study. <i>Natural Hazards and Earth System Sciences</i> , 2012, 12, 3617-3629.	1.5	14
33	Origin and assessment of deep groundwater inflow in the Ca' Lita landslide using hydrochemistry and in situ monitoring. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 4205-4221.	1.9	37
34	Searching for the effects of the May-June 2012 Emilia seismic sequence (northern Italy): medium-depth deformation structures at the periphery of the epicentral area. <i>Annals of Geophysics</i> , 2012, 55, .	0.5	3
35	Effects on the groundwater levels of the May-June 2012 Emilia seismic sequence. <i>Annals of Geophysics</i> , 2012, 55, .	0.5	5
36	Geochemical features and effects on deep-seated fluids during the May-June 2012 southern Po Valley seismic sequence. <i>Annals of Geophysics</i> , 2012, 55, .	0.5	2

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37	Anomalous fluid emission of a deep borehole in a seismically active area of Northern Apennines (Italy). <i>Applied Geochemistry</i> , 2010, 25, 555-571.	1.4	16
38	“Pieve Santo Stefano” is not a mud volcano: Comment on “Structural controls on a carbon dioxide-driven mud volcano field in the Northern Apennines” (by Bonini, 2009). <i>Journal of Structural Geology</i> , 2009, 31, 1270-1271.	1.0	10
39	The geochemical and isotopic composition of aquifer systems in the deltaic region of the Po River plain (northern Italy). <i>Hydrogeology Journal</i> , 2009, 17, 467-480.	0.9	23
40	Long-term (1997-2007) geochemical monitoring of gases from the Umbria-Marche region. <i>Tectonophysics</i> , 2009, 476, 282-296.	0.9	17
41	CO ₂ Degassing over Seismic Areas: The Role of Mechanochemical Production at the Study Case of Central Apennines. <i>Pure and Applied Geophysics</i> , 2008, 165, 75-94.	0.8	40
42	Robust Satellite Techniques for monitoring TIR anomalies in seismogenic areas. , 2008, , .		7
43	Evidence of Possible Enhanced Peat Burning by Deep-Origin Methane in the Po River Delta Plain (Italy). <i>Journal of Geology</i> , 2008, 116, 401-413.	0.7	18
44	Methane seeps and mud volcanoes in Italy: Gas origin, fractionation and emission to the atmosphere. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	86
45	Gas flow anomalies in seismogenic zones in the Upper Tiber Valley, Central Italy. <i>Geophysical Journal International</i> , 2006, 167, 794-806.	1.0	36
46	Post-seismic fluid flow and Coulomb stress changes in a poroelastic medium. <i>Geophysical Journal International</i> , 2005, 162, 507-515.	1.0	44
47	Geochemical Model of Mud Volcanoes from Reviewed Worldwide Data. , 2005, , 211-220.		10
48	Geochemical Monitoring of Cold Waters during Seismicity: Implications for Earthquake-induced Modification in Shallow Aquifers. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2005, 16, 709.	0.3	9
49	Mud volcanoes of Italy. <i>Geological Journal</i> , 2004, 39, 49-61.	0.6	69
50	Long-range correlation analysis of earthquake-related geochemical variations recorded in Central Italy. <i>Chaos, Solitons and Fractals</i> , 2004, 21, 491-500.	2.5	16
51	Geochemical evidence of seismogenic-induced anomalies in the dissolved gases of thermal waters: A case study of Umbria (Central Apennines, Italy) both during and after the 1997-1998 seismic swarm. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	1.0	28
52	Flicker-noise spectroscopy: a new approach to investigate the time dynamics of geoelectrical signals measured in seismic areas. <i>Physics and Chemistry of the Earth</i> , 2004, 29, 389-395.	1.2	11
53	Mechanochemical dissociation of calcium carbonate: laboratory data and relation to natural emissions of CO ₂ . <i>Physics of the Earth and Planetary Interiors</i> , 2004, 142, 205-214.	0.7	21
54	Extracting quantitative dynamics from ²²² Rn gaseous emissions of mud volcanoes. <i>Environmetrics</i> , 2003, 14, 63-71.	0.6	11

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55	Influence of glacial cycles and tectonics on natural subsidence in the Po Plain (Northern Italy): Insights from ^{14}C ages. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	1.0	49
56	FRactal ANALYSIS OF THE HOURLY TIME VARIABILITY IN SELF-POTENTIAL AND FLOW VARIATIONS CONCOMITANTLY MEASURED IN THE SOOS NATURE PARK (CZECH REPUBLIC). <i>Fractals</i> , 2002, 10, 463-472.	1.8	2
57	Migration of carrier and trace gases in the geosphere: an overview. <i>Physics of the Earth and Planetary Interiors</i> , 2002, 129, 185-204.	0.7	329
58	Geochemical monitoring of thermal waters in Slovenia: relationships to seismic activity. <i>Applied Radiation and Isotopes</i> , 2002, 57, 919-930.	0.7	36
59	Subsidence rates in the Po Plain, northern Italy: the relative impact of natural and anthropogenic causation. <i>Engineering Geology</i> , 2002, 66, 241-255.	2.9	130
60	Anomalies of mantle-derived helium during the 1997-1998 seismic swarm of Umbria-Marche, Italy. <i>Geophysical Research Letters</i> , 2001, 28, 839-842.	1.5	58
61	Significance of earthquake-related anomalies in fluids of Val D'Agri (southern Italy). <i>Terra Nova</i> , 2001, 13, 249-257.	0.9	21
62	Earthquake-induced chemical changes in the thermal waters of the Umbria region during the 1997-1998 seismic swarm. <i>Terra Nova</i> , 2001, 13, 227-233.	0.9	37
63	Geochemical evidence of melt intrusions along lithospheric faults of the Southern Apennines, Italy: Geodynamic and seismogenic implications. <i>Journal of Geophysical Research</i> , 2000, 105, 13569-13578.	3.3	85
64	Geochemistry of the formation waters in the Po plain (Northern Italy): an overview.. <i>Applied Geochemistry</i> , 2000, 15, 51-65.	1.4	77
65	Fluid geochemical transect in the Northern Apennines (central-northern Italy): fluid genesis and migration and tectonic implications. <i>Tectonophysics</i> , 2000, 319, 199-222.	0.9	97
66	A geodynamic model of the Southern Apennines accretionary prism. <i>Terra Nova</i> , 1996, 8, 540-547.	0.9	158
67	CO_2 and radon measurements in the Vogtland Area (Germany) - A contribution to earthquake prediction research. <i>Geophysical Research Letters</i> , 1995, 22, 771-774.	1.5	76
68	Radon emissions from mud volcanoes in northern Italy: Possible connection with local seismicity. <i>Geophysical Research Letters</i> , 1995, 22, 1989-1992.	1.5	23
69	Piezometric levels as possible geodynamic indicators: Analysis of the data from a regional deep waters monitoring network in northern Italy. <i>Geophysical Research Letters</i> , 1994, 21, 1955-1958.	1.5	14
70	Well-level variation as a possible seismic precursor: a statistical assessment from Italian historical data. <i>Tectonophysics</i> , 1991, 193, 385-395.	0.9	11
71	Earthquake forerunners in a selected area of Northern Italy: recent developments in automatic geochemical monitoring. <i>Tectonophysics</i> , 1991, 193, 397-410.	0.9	32
72	Localization of minor elements by EDS microanalysis in aragonitic sponges from the St. Cassian Beds, Italian Dolomites. <i>Lethaia</i> , 1984, 17, 133-138.	0.6	9

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73	Isotopic evidence of paleowaters in the Po sedimentary basin (Northern Italy).. Geochemical Journal, 1982, 16, 51-61.	0.5	14
74	Radon distribution in groundwater of the Po sedimentary basin (Italy). Chemical Geology, 1982, 35, 297-309.	1.4	15
75	Determination of tellurium in geochemical materials by flameless atomic-absorption spectroscopy. Talanta, 1979, 26, 143-145.	2.9	9
76	Geological and Geochemical Setting of Natural Hydrocarbon Emissions in Italy. , 0, , .		8