

# Zaccaria Petrillo

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

675  
citations

759233

12  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

702  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of thermal-driven processes triggering the 2005–2014 unrest at Campi Flegrei caldera. <i>Earth and Planetary Science Letters</i> , 2015, 414, 58-67.	4.4	149
2	Electric and electromagnetic outline of the Mount Somma–Vesuvius structural setting. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 82, 219-238.	2.1	114
3	Ground deformation at calderas driven by fluid injection: modelling unrest episodes at Campi Flegrei (Italy). <i>Geophysical Journal International</i> , 2011, 187, 833-847.	2.4	68
4	Geophysical and hydrogeological experiments from a shallow hydrothermal system at Solfatara Volcano, Campi Flegrei, Italy: Response to caldera unrest. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	59
5	Clues on the origin of post-2000 earthquakes at Campi Flegrei caldera (Italy). <i>Scientific Reports</i> , 2017, 7, 4472.	3.3	53
6	Defining a 3D physical model for the hydrothermal circulation at Campi Flegrei caldera (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2013, 264, 172-182.	2.1	39
7	Hydrothermal pressure-temperature control on CO <sub>2</sub> emissions and seismicity at Campi Flegrei (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2021, 414, 107245.	2.1	38
8	Millennial scale coccolithophore paleoproductivity and surface water changes between 445 and 360ka (Marine Isotope Stages 12/11) in the Northeast Atlantic. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 383-384, 27-41.	2.3	32
9	Reservoir Structure and Hydraulic Properties of the Campi Flegrei Geothermal System Inferred by Audiomagnetotelluric, Geochemical, and Seismicity Study. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 5336-5356.	3.4	32
10	Anatomy of a fumarolic system inferred from a multiphysics approach. <i>Scientific Reports</i> , 2018, 8, 7580.	3.3	27
11	Imaging 2D structures by the CSAMT method: application to the Pantano di S. Gregorio Magno faulted basin (Southern Italy). <i>Journal of Geophysics and Engineering</i> , 2009, 6, 120-130.	1.4	22
12	Abrupt variability of the last 24 ka recorded by coccolithophore assemblages off the Iberian Margin (core MD03-2699). <i>Journal of Quaternary Science</i> , 2013, 28, 320-328.	2.1	22
13	A Perturbative Approach for Modeling Short-Term Fluid-Driven Ground Deformation Episodes on Volcanoes: A Case Study in the Campi Flegrei Caldera (Italy). <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 1036-1056.	3.4	11
14	A geophysical study of the Mount Etna volcanic area. <i>Geophysical Monograph Series</i> , 2004, , 273-291.	0.1	5
15	Granger Causality Analysis of Geophysical, Geodetic and Geochemical Observations during Volcanic Unrest: A Case Study in the Campi Flegrei Caldera (Italy). <i>Geosciences (Switzerland)</i> , 2020, 10, 185.	2.2	2
16	Denoising Magnetotelluric Recordings Using Self-Organizing Maps. <i>Smart Innovation, Systems and Technologies</i> , 2015, , 137-147.	0.6	1
17	Multivariate approach to evaluate the relationship among geophysical and geochemical variables during an unrest period at Campi Flegrei caldera (Italy). <i>Quality and Quantity</i> , 2019, 53, 2473-2489.	3.7	1