Stefano Santini

List of Publications by Year
in descending order

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48	676	759055 12	552653 26
papers	citations	h-index	g-index

53	53	53	1183
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Contribution of the 2010 Maule Megathrust Earthquake to the Heat Flow at the Peru-Chile Trench. Energies, 2022, 15, 2253.	1.6	3
2	Controls of Radiogenic Heat and Moho Geometry on the Thermal Setting of the Marche Region (Central Italy): An Analytical 3D Geothermal Model. Energies, 2021, 14, 6511.	1.6	6
3	Moment rate of the 2018 Gulf of Alaska earthquake. Physics of the Earth and Planetary Interiors, 2020, 298, 106336.	0.7	1
4	3-D Geothermal Model of the Lurestan Sector of the Zagros Thrust Belt, Iran. Energies, 2020, 13, 2140.	1.6	7
5	Thermal Structure of the Northern Outer Albanides and Adjacent Adriatic Crustal Sector, and Implications for Geothermal Energy Systems. Energies, 2020, 13, 6028.	1.6	6
6	Active Deformation and Relief Evolution in the Western Lurestan Region of the Zagros Mountain Belt: New Insights From Tectonic Geomorphology Analysis and Finite Element Modeling. Tectonics, 2020, 39, e2020TC006402.	1.3	7
7	Geothermal Model of the Shallow Crustal Structure across the â€œMountain Front Faultâ€•in Western Lurestan, Zagros Thrust Belt, Iran. Geosciences (Switzerland), 2019, 9, 301.	1.0	8
8	Effects of fault heterogeneity on seismic energy and spectrum. Physics of the Earth and Planetary Interiors, 2017, 273, 11-22.	0.7	4
9	Thermal Structure of the Outer Northern Apennines along the CROP-03 Profile. Journal of Geography and Geology, 2016, 8, 1.	0.4	1
10	Active tectonics of the outer northern Apennines: Adriatic vs. Po Plain seismicity and stress fields. Journal of Geodynamics, 2015, 84, 62-76.	0.7	17
11	Finite element modelling of stress field perturbations and interseismic crustal deformation in the Val d'Agri region, southern Apennines, Italy. Tectonophysics, 2015, 657, 245-259.	0.9	24
12	Tuning the Morphology of g-C₃N₄ for Improvement of Z-Scheme Photocatalytic Water Oxidation. ACS Applied Materials & Interfaces, 2015, 7, 15285-15293.	4.0	256
13	A two-asperity fault model with wave radiation. Physics of the Earth and Planetary Interiors, 2015, 248, 83-93.	0.7	16
14	Source functions of a two-asperity fault model. Geophysical Journal International, 2014, 196, 1803-1812.	1.0	9
15	An analytical model for the geotherm in the Basilicata oil fields area (southern Italy). Italian Journal of Geosciences, 2014, 133, 204-213.	0.4	9
16	Interpreting the interseismic deformation of the Altotiberina Fault (central Italy) through 2D modelling. Annals of Geophysics, 2014, 56, .	0.5	1
17	Subduction and continental collision events in the southern Apennines: constraints from two crustal cross-sections. Rendiconti Online Societa Geologica Italiana, 2013, , 78-84.	0.3	6
18	A study of lithological characteristics of rock volumes surrounding the underground Gran Sasso Laboratories: evaluation of atomic weight, atomic number and density. Rendiconti Online Societa Geologica Italiana, 2013, , 85-94.	0.3	0

#	Article	IF	Citations
19	Long-term dynamics of a fault with two asperities of different strengths. Geophysical Journal International, 2012, , .	1.0	4
20	Applying the Multiple Inverse Method to the analysis of earthquake focal mechanism data: New insights into the active stress field of Italy and surrounding regions. Tectonophysics, 2012, 580, 124-149.	0.9	24
21	Conditions for large earthquakes in a two-asperity fault model. Nonlinear Processes in Geophysics, 2011, 18, 709-717.	0.6	6
22	Magma ascent and effusion from a tensile fracture propagating to the Earth's surface. Geophysical Journal International, 2011, 186, 681-698.	1.0	5
23	Cooling of a channeled lava flow with non-Newtonian rheology: crust formation and surface radiance. Annals of Geophysics, 2011, 54, .	0.5	2
24	Simulation of the long-term behaviour of a fault with two asperities. Nonlinear Processes in Geophysics, 2010, 17, 777-784.	0.6	12
25	Effects of geological complexities on coseismic displacement: hints from 2D numerical modelling. Terra Nova, 2008, 20, 173-179.	0.9	9
26	Lava flow in tubes with elliptical cross sections. Journal of Volcanology and Geothermal Research, 2007, 160, 239-248.	0.8	12
27	Stress Changes due to Recent Seismic Events in the Central Apennines (Italy). Pure and Applied Geophysics, 2005, 162, 2273-2298.	0.8	5
28	Monte Carlo Inversion of DInSAR Data for Dislocation Modeling: Application to the 1997 Umbria-Marche Seismic Sequence (Central Italy). Pure and Applied Geophysics, 2004, 161, 817-838.	0.8	12
29	Asperity distribution of the 1964 Great Alaska earthquake and its relation to subsequent seismicity in the region. Tectonophysics, 2003, 367, 219-233.	0.9	18
30	On the depth-intensity curve of multiple muons with LVD. Nuclear Physics, Section B, Proceedings Supplements, 2000, 87, 423-425.	0.5	2
31	Upper limit on the prompt muon flux derived from the LVD underground experiment. Physical Review D, 1999, 60, .	1.6	24
32	Identification of light and very heavy cosmic ray primaries at E0 â‰ˆ 1015 eV from surface and deep underground measurements at the Gran Sasso Laboratories. Nuclear Physics, Section B, Proceedings Supplements, 1999, 70, 512-514.	0.5	1
33	Supernova neutrino detection with LVD. Nuclear Physics, Section B, Proceedings Supplements, 1999, 70, 469-471.	0.5	8
34	Study of the c.r. composition and interaction at E0 = 10 â€“ 100 TeV from the observation of H.E. muons and atmospheric Cherenkov light in EAS. Nuclear Physics, Section B, Proceedings Supplements, 1999, 75, 259-261.	0.5	0
35	The high energy muon spectrum in Extensive Air Showers: first data from LVD and EAS-TOP at Gran Sasso. Astroparticle Physics, 1998, 9, 185-192.	1.9	12
36	Muon â€œdepth-intensityâ€•relation measured by the LVD underground experiment and cosmic-ray muon spectrum at sea level. Physical Review D, 1998, 58, .	1.6	89

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37	A numerical study for convection in a cylindrical model with continuously varying viscosity. Annals of Geophysics, 1996, 39, .	0.5	1
38	Neutrino-induced and atmospheric single-muon fluxes measured over five decades of intensity by LVD at Gran Sasso Laboratory. Astroparticle Physics, 1995, 3, 311-320.	1.9	37
39	The LVD experiment at Gran Sasso. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1995, 18, 629-645.	0.2	3
40	Electron tunnelling from rough surfaces: an application to TPFG EEPROM cells. Semiconductor Science and Technology, 1994, 9, 1414-1425.	1.0	1
41	A viscoelastic shear zone model of compressional and extensional plate boundaries. Pure and Applied Geophysics, 1993, 140, 471-491.	0.8	2
42	3D statistics from TEM observations of TPFG EEPROM memory cells. Microscopy Microanalysis Microstructures, 1990, 1, 215-231.	0.4	2
43	Transient-induced statistics in the atmosphere. Tellus, Series A: Dynamic Meteorology and Oceanography, 1989, 41, 200-208.	0.8	0
44	Over-reflection of travelling internal waves in a rotating stratified fluid. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1984, 7, 458-466.	0.2	0
45	Multiple non-linear interaction of Rossby waves via zonal flow. Archives for Meteorology, Geophysics and Bioclimatology, Series A, 1984, 33, 31-37.	0.4	0
46	Thermal structure of the southern Apennines along the Val d'Agri-Bari transect. Rendiconti Online Societa Geologica Italiana, 0, 32, 3-6.	0.3	1
47	Structural inheritance controlling active crustal deformation in the Val d'Agri area (southern) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Italiana, 0, 42, 111-114.	0.3	0
48	Geothermal 3D model of the shallow crustal structure of the Alta Val d'Agri area (southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Tc	0.3	0