

Stefano Santini

List of Publications by Year in descending order

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48
papers

676
citations

759055

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docs citations

53
times ranked

1183
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the Morphology of g-C ₃ N ₄ for Improvement of Z-Scheme Photocatalytic Water Oxidation. ACS Applied Materials & Interfaces, 2015, 7, 15285-15293.	4.0	256
2	Muon "depth-intensity" relation measured by the LVD underground experiment and cosmic-ray muon spectrum at sea level. Physical Review D, 1998, 58, .	1.6	89
3	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
4	Upper limit on the prompt muon flux derived from the LVD underground experiment. Physical Review D, 1999, 60, .	1.6	24
5	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
6	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
7	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
8	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
9	A two-asperity fault model with wave radiation. Physics of the Earth and Planetary Interiors, 2015, 248, 83-93.	0.7	16
10	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
11	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
12	Lava flow in tubes with elliptical cross sections. Journal of Volcanology and Geothermal Research, 2007, 160, 239-248.	0.8	12
13	Simulation of the long-term behaviour of a fault with two asperities. Nonlinear Processes in Geophysics, 2010, 17, 777-784.	0.6	12
14	Effects of geological complexities on coseismic displacement: hints from 2D numerical modelling. Terra Nova, 2008, 20, 173-179.	0.9	9
15	Source functions of a two-asperity fault model. Geophysical Journal International, 2014, 196, 1803-1812.	1.0	9
16	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
17	Supernova neutrino detection with LVD. Nuclear Physics, Section B, Proceedings Supplements, 1999, 70, 469-471.	0.5	8
18	Geothermal Model of the Shallow Crustal Structure across the "Mountain Front Fault" in Western Lurestan, Zagros Thrust Belt, Iran. Geosciences (Switzerland), 2019, 9, 301.	1.0	8

#	ARTICLE	IF	CITATIONS
19	3-D Geothermal Model of the Lurestan Sector of the Zagros Thrust Belt, Iran. <i>Energies</i> , 2020, 13, 2140.	1.6	7
20	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. <i>Tectonics</i> , 2020, 39, e2020TC006402.	1.3	7
21	Conditions for large earthquakes in a two-asperity fault model. <i>Nonlinear Processes in Geophysics</i> , 2011, 18, 709-717.	0.6	6
22	Thermal Structure of the Northern Outer Albanides and Adjacent Adriatic Crustal Sector, and Implications for Geothermal Energy Systems. <i>Energies</i> , 2020, 13, 6028.	1.6	6
23	Subduction and continental collision events in the southern Apennines: constraints from two crustal cross-sections. <i>Rendiconti Online Societa Geologica Italiana</i> , 2013, , 78-84.	0.3	6
24	Controls of Radiogenic Heat and Moho Geometry on the Thermal Setting of the Marche Region (Central Italy): An Analytical 3D Geothermal Model. <i>Energies</i> , 2021, 14, 6511.	1.6	6
25	Stress Changes due to Recent Seismic Events in the Central Apennines (Italy). <i>Pure and Applied Geophysics</i> , 2005, 162, 2273-2298.	0.8	5
26	Magma ascent and effusion from a tensile fracture propagating to the Earth's surface. <i>Geophysical Journal International</i> , 2011, 186, 681-698.	1.0	5
27	Long-term dynamics of a fault with two asperities of different strengths. <i>Geophysical Journal International</i> , 2012, , .	1.0	4
28	Effects of fault heterogeneity on seismic energy and spectrum. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 273, 11-22.	0.7	4
29	The LVD experiment at Gran Sasso. <i>Il Nuovo Cimento Della Societa Italiana Di Fisica C</i> , 1995, 18, 629-645.	0.2	3
30	Contribution of the 2010 Maule Megathrust Earthquake to the Heat Flow at the Peru-Chile Trench. <i>Energies</i> , 2022, 15, 2253.	1.6	3
31	A viscoelastic shear zone model of compressional and extensional plate boundaries. <i>Pure and Applied Geophysics</i> , 1993, 140, 471-491.	0.8	2
32	On the depth-intensity curve of multiple muons with LVD. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2000, 87, 423-425.	0.5	2
33	3D statistics from TEM observations of TPGF EEPROM memory cells. <i>Microscopy Microanalysis Microstructures</i> , 1990, 1, 215-231.	0.4	2
34	Cooling of a channeled lava flow with non-Newtonian rheology: crust formation and surface radiance. <i>Annals of Geophysics</i> , 2011, 54, .	0.5	2
35	Electron tunnelling from rough surfaces: an application to TPGF EEPROM cells. <i>Semiconductor Science and Technology</i> , 1994, 9, 1414-1425.	1.0	1
36	Identification of light and very heavy cosmic ray primaries at $E_0 \hat{=} 10^{15}$ eV from surface and deep underground measurements at the Gran Sasso Laboratories. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999, 70, 512-514.	0.5	1

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37	Thermal Structure of the Outer Northern Apennines along the CROP-03 Profile. Journal of Geography and Geology, 2016, 8, 1.	0.4	1
38	Moment rate of the 2018 Gulf of Alaska earthquake. Physics of the Earth and Planetary Interiors, 2020, 298, 106336.	0.7	1
39	Interpreting the interseismic deformation of the Altotiberina Fault (central Italy) through 2D modelling. Annals of Geophysics, 2014, 56, .	0.5	1
40	A numerical study for convection in a cylindrical model with continuously varying viscosity. Annals of Geophysics, 1996, 39, .	0.5	1
41	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
42	Over-reflection of travelling internal waves in a rotating stratified fluid. Il Nuovo Cimento Della Societa Italiana Di Fisica C, 1984, 7, 458-466.	0.2	0
43	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
44	Transient-induced statistics in the atmosphere. Tellus, Series A: Dynamic Meteorology and Oceanography, 1989, 41, 200-208.	0.8	0
45	Study of the c.r. composition and interaction at $E_0 = 10 \text{ -- } 100 \text{ TeV}$ 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
46	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
47	Structural inheritance controlling active crustal deformation in the Val d'Agri area (southern) Tj ETQq1 1 0.784314 rgBT /Overlock 10 ff 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