

Sebastiano D'Amico

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

1,348
citations

394286

19
h-index

377752

34
g-index

67
all docs

67
docs citations

67
times ranked

1344
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced geothermal systems (EGS): A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 56, 133-144.	8.2	447
2	Seismic site response of unstable steep slope using noise measurements: the case study of Xemxija Bay area, Malta. <i>Natural Hazards and Earth System Sciences</i> , 2012, 12, 3421-3431.	1.5	74
3	Broadband waveform inversion of moderate earthquakes in the Messina Straits, southern Italy. <i>Physics of the Earth and Planetary Interiors</i> , 2010, 179, 97-106.	0.7	52
4	A large scale ambient vibration survey in the area damaged by May–June 2012 seismic sequence in Emilia Romagna, Italy. <i>Bulletin of Earthquake Engineering</i> , 2015, 13, 3187-3206.	2.3	48
5	Site frequency response characterisation of the Maltese islands based on ambient noise H/V ratios. <i>Engineering Geology</i> , 2013, 163, 89-100.	2.9	46
6	Dynamic characteristics of an active coastal spreading area using ambient noise measurements—Anchor Bay, Malta. <i>Geophysical Journal International</i> , 2014, 199, 1166-1175.	1.0	41
7	Inversion of surface wave data for subsurface shear wave velocity profiles characterized by a thick buried low-velocity layer. <i>Geophysical Journal International</i> , 2016, 206, 1221-1231.	1.0	38
8	Seismoacoustic measurements during the July–August 2001 eruption of Mt. Etna volcano, Italy. <i>Journal of Volcanology and Geothermal Research</i> , 2004, 137, 219-230.	0.8	33
9	WebGIS Implementation for Dynamic Mapping and Visualization of Coastal Geospatial Data: A Case Study of BESS Project. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8233.	1.3	32
10	Volcanic Tremor at Mt. Etna, Italy, Preceding and Accompanying the Eruption of July – August, 2001. <i>Pure and Applied Geophysics</i> , 2005, 162, 2111-2132.	0.8	28
11	Engineering geological zonation of a complex landslide system through seismic ambient noise measurements at the Selmun Promontory (Malta). <i>Geophysical Journal International</i> , 2018, 213, 1146-1161.	1.0	25
12	Imaging the rupture of the $M_w > 6.3$ April 6, 2009 L'Aquila, Italy earthquake using back-projection of teleseismic waves. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	24
13	Predictions of high-frequency ground-motion in Taiwan based on weak motion data. <i>Geophysical Journal International</i> , 2012, 189, 611-628.	1.0	22
14	Source parameters of small and moderate earthquakes in the area of the 2009 L'Aquila earthquake sequence (central Italy). <i>Physics and Chemistry of the Earth</i> , 2013, 63, 77-91.	1.2	22
15	Scaling earthquake ground motions in western Anatolia, Turkey. <i>Physics and Chemistry of the Earth</i> , 2013, 63, 124-135.	1.2	22
16	Investigating slab edge kinematics through seismological data: The northern boundary of the Ionian subduction system (south Italy). <i>Journal of Geodynamics</i> , 2015, 88, 23-35.	0.7	22
17	Evaluation of building fundamental periods and effects of local geology on ground motion parameters in the Siracusa area, Italy. <i>Journal of Seismology</i> , 2016, 20, 1001-1019.	0.6	21
18	Investigation of cliff instability at Ġaġajn Äġadid Tower (Selmun Promontory, Malta) by integrated passive seismic techniques. <i>Journal of Seismology</i> , 2020, 24, 897-916.	0.6	20

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19	A microtremor survey to define the subsoil structure in a mud volcanoes area: the case study of Salinelle (Mt. Etna, Italy). <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	19
20	Using unmanned aerial vehicle photogrammetry for digital geological surveys: case study of Selmun promontory, northern of Malta. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	18
21	Results from shallow geophysical investigations in the northwestern sector of the island of Malta. <i>Physics and Chemistry of the Earth</i> , 2017, 98, 41-48.	1.2	17
22	GPR Investigations at St John's Coâ€Cathedral in Valletta. <i>Near Surface Geophysics</i> , 2019, 17, 213-229.	0.6	16
23	Seismic moment tensors and regional stress in the area of the December 2013â€January 2014, Matese earthquake sequence (Italy). <i>Journal of Geodynamics</i> , 2014, 82, 118-124.	0.7	14
24	Sensitivity of ground motion parameters to local shear-wave velocity models: The case of buried low-velocity layers. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 100, 196-205.	1.9	13
25	Surface geology and morphologic effects on seismic site response: The study case of Lampedusa, Italy. <i>Physics and Chemistry of the Earth</i> , 2017, 98, 62-72.	1.2	13
26	Shallow high-resolution geophysical investigation along the western segment of the Victoria Lines Fault (island of Malta). <i>Tectonophysics</i> , 2018, 724-725, 220-233.	0.9	12
27	Lusi hydrothermal structure inferred through ambient vibration measurements. <i>Marine and Petroleum Geology</i> , 2018, 90, 116-124.	1.5	12
28	On the Portability of MLâ€Mc as a Depth Discriminant for Small Seismic Events Recorded at Local Distances. <i>Bulletin of the Seismological Society of America</i> , 2019, 109, 1661-1673.	1.1	12
29	Active degassing across the Maltese Islands (Mediterranean Sea) and implications for its neotectonics. <i>Marine and Petroleum Geology</i> , 2019, 104, 361-374.	1.5	12
30	Seismic Signature of the Azure Window Collapse, Gozo, Central Mediterranean. <i>Seismological Research Letters</i> , 2018, 89, 1108-1117.	0.8	9
31	Ambient vibration measurements to support morphometric analysis of a pyroclastic cone. <i>Bulletin of Volcanology</i> , 2019, 81, 1.	1.1	9
32	Structural investigation of Mnajdra megalithic monument in Malta. <i>Journal of Cultural Heritage</i> , 2020, 41, 96-105.	1.5	9
33	Transient tectonic regimes imposed by megathrust earthquakes and the growth of NW-trending volcanic systems in the Southern Andes. <i>Tectonophysics</i> , 2020, 774, 228204.	0.9	9
34	Rock Mass Characterization Coupled with Seismic Noise Measurements to Analyze the Unstable Cliff Slope of the Selmun Promontory (Malta). <i>Procedia Engineering</i> , 2017, 191, 263-269.	1.2	8
35	Dielectric permittivity diagnostics as a tool for cultural heritage preservation: Application on degradable globigerina limestone. Measurement: <i>Journal of the International Measurement Confederation</i> , 2018, 123, 270-274.	2.5	8
36	Heuristic advances in identifying aftershocks in seismic sequences. <i>Computers and Geosciences</i> , 2009, 35, 245-254.	2.0	7

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37	Earthquake and People: The Maltese Experience of the 1908 Messina Earthquake. , 2016, , 533-561.		6
38	The Easter Sunday 2011 Earthquake Swarm Offshore Malta: Analysis on Felt Reports. , 2016, , 631-645.		6
39	Study of fault plane solutions and stress drop using local broadband network data: The 2011 Sikkim Himalaya earthquake Mw 6.9 and its aftershocks. Annals of Geophysics, 2018, 61, .	0.5	6
40	Stability Assessment and Geomorphological Evolution of Sea Natural Arches by Geophysical Measurement: The Case Study of Wied il-Mielah Window (Gozo, Malta). Sustainability, 2021, 13, 12538.	1.6	6
41	Multi-Technique Diagnostic Analysis of Plasters and Mortars from the Church of the Annunciation (Tortorici, Sicily). Materials, 2022, 15, 958.	1.3	6
42	The temporal series of the New Guinea 29 April 1996 aftershock sequence. Physics of the Earth and Planetary Interiors, 2005, 153, 175-180.	0.7	5
43	The 20th September 1999 Chi-Chi Earthquake (Taiwan): a case of study for its aftershock seismic sequence. Izvestiya, Physics of the Solid Earth, 2010, 46, 317-326.	0.2	5
44	The LF radio anomaly observed before the M w \hat{A} = \hat{A} 6.5 earthquake in Crete on October 12, 2013. Physics and Chemistry of the Earth, 2015, 85-86, 98-105.	1.2	5
45	Modelling and assessment of earthquake ground response in areas characterised by a thick buried low-velocity layer. Natural Hazards, 2021, 105, 115-136.	1.6	5
46	PRELIMINARY EXPERIMENTAL MEASUREMENTS OF THE DIELECTRIC AND MAGNETIC PROPERTIES OF A MATERIAL WITH A COAXIAL TDR PROBE IN REFLECTION MODE. Progress in Electromagnetics Research M, 2020, 91, 111-121.	0.5	5
47	Integration of geological and geophysical data for re-evaluation of local seismic hazard and geological structure: the case study of Rometta, Sicily (Italy). Annals of Geophysics, 2018, 61, .	0.5	5
48	GPR Investigation at the Archaeological Site of Le Cesine, Lecce, Italy. Information (Switzerland), 2021, 12, 412.	1.7	5
49	An Innovative Use of TDR Probes: First Numerical Validations with a Coaxial Cable. Journal of Environmental and Engineering Geophysics, 2018, 23, 437-442.	1.0	5
50	Insights into the dynamics of the Nirano Mud Volcano through seismic characterization of drumbeat signals and V/H analysis. Journal of Volcanology and Geothermal Research, 2022, 431, 107619.	0.8	5
51	A First National Seismic Network for the Maltese Islands“The Malta Seismic Network. Seismological Research Letters, 2021, 92, 1817-1831.	0.8	4
52	Seismic anomalies in the aftershock sequence of November 16, 2000, in Papua New Guinea. Izvestiya, Physics of the Solid Earth, 2007, 43, 662-668.	0.2	3
53	Macroseismic attenuation in the Campanian area, southern Italy. Izvestiya, Physics of the Solid Earth, 2013, 49, 416-425.	0.2	3
54	High-frequency ground-motion parameters from weak-motion data in the Sicily Channel and surrounding regions. Geophysical Journal International, 2018, 214, 148-163.	1.0	3

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55	Estimating Stability and Resolution of Waveform Inversion Focal Mechanisms. Springer Natural Hazards, 2018, , 93-109.	0.1	3
56	Correlation between crustal anisotropy and seismogenic stress field beneath Shillongâ€™Mikir Plateau and its vicinity in North East India. Geomatics, Natural Hazards and Risk, 2021, 12, 2070-2086.	2.0	3
57	Subduction, volcanism, collision, orogenesis and faults: How do they shape the central Mediterranean region?. Journal of Geodynamics, 2014, 82, 1-4.	0.7	2
58	Ground-Penetrating Radar and Photogrammetric Investigation on Prehistoric Tumuli at Parabita (Lecce, Italy) Performed with an Unconventional Use of the Position Markers. Remote Sensing, 2022, 14, 1280.	1.8	2
59	GPR prospecting in the chapel of Aragon within the Co-Cathedral of St. John (Valletta, Malta). , 2018, , .		1
60	Assessing Seismic Site Response at Areas Characterized by a Thick Buried Low-Velocity Layer. , 0, , .		1
61	Georisks in the Mediterranean and their mitigation. Natural Hazards, 2017, 86, 199-202.	1.6	0
62	Coulomb Stress Changes in the Area of December 2013â€™January 2014 Sannio-Matiese Seismic Sequence (Southern Italy). Springer Natural Hazards, 2018, , 589-597.	0.1	0
63	Are Synthetic Accelerograms Suitable for Local Seismic Response Analyses at Near-Field Sites?. Bulletin of the Seismological Society of America, 2022, 112, 992-1007.	1.1	0