

Andrea Morelli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5937194/publications.pdf>

Version: 2024-02-01

72
papers

4,384
citations

159358

30
h-index

110170

64
g-index

75
all docs

75
docs citations

75
times ranked

3182
citing authors

#	ARTICLE	IF	CITATIONS
1	Pwave tomography of the mantle under the Alpine-Mediterranean area. Journal of Geophysical Research, 2003, 108, .	3.3	599
2	The Italian CMT dataset from 1977 to the present. Physics of the Earth and Planetary Interiors, 2006, 159, 286-303.	0.7	392
3	Anisotropy of the inner core inferred from <i>PKIKP</i> travel times. Geophysical Research Letters, 1986, 13, 1545-1548.	1.5	388
4	Topography of the core-mantle boundary and lateral homogeneity of the liquid core. Nature, 1987, 325, 678-683.	13.7	336
5	European-Mediterranean regional centroid-moment tensors: 1997-2000. Physics of the Earth and Planetary Interiors, 2002, 130, 71-101.	0.7	211
6	Subduction and the depth of convection in the Mediterranean mantle. Journal of Geophysical Research, 2003, 108, .	3.3	204
7	Moment tensor analysis of the Central Italy Earthquake Sequence of September-October 1997. Geophysical Research Letters, 1998, 25, 1971-1974.	1.5	165
8	EPcrust: a reference crustal model for the European Plate. Geophysical Journal International, 2011, 185, 352-364.	1.0	150
9	Body Wave Traveltimes and A Spherically Symmetric P- and S-Wave Velocity Model. Geophysical Journal International, 1993, 112, 178-194.	1.0	140
10	Seismological imaging of the Antarctic continental lithosphere: a review. Global and Planetary Change, 2004, 42, 155-165.	1.6	106
11	European-Mediterranean Regional Centroid Moment Tensor catalog: Solutions for 2005-2008. Physics of the Earth and Planetary Interiors, 2011, 185, 74-81.	0.7	99
12	European-Mediterranean regional centroid-moment tensor catalog: solutions for years 2001 and 2002. Physics of the Earth and Planetary Interiors, 2004, 145, 127-147.	0.7	96
13	Structure of the upper mantle under the Antarctic Plate from surface wave tomography. Geophysical Research Letters, 2001, 28, 4395-4398.	1.5	91
14	Seismic moment tensors of the April 2009, L'Aquila (Central Italy), earthquake sequence. Geophysical Journal International, 2010, 180, 238-242.	1.0	91
15	Modelling secondary microseismic noise by normal mode summation. Geophysical Journal International, 2013, 193, 1732-1745.	1.0	86
16	Modelling the ocean site effect on seismic noise body waves. Geophysical Journal International, 2014, 197, 1096-1106.	1.0	74
17	Seismic deformation in the Mediterranean area estimated by moment tensor summation. Geophysical Journal International, 1995, 122, 938-952.	1.0	59
18	Development and Testing of a 3D Seismic Velocity Model of the Po Plain Sedimentary Basin, Italy. Bulletin of the Seismological Society of America, 2015, 105, 753-764.	1.1	58

#	ARTICLE	IF	CITATIONS
19	The Moho depth map of the Antarctica region. <i>Tectonophysics</i> , 2013, 609, 299-313.	0.9	55
20	Seismotectonic re-evaluation of the 1976 Friuli, Italy, seismic sequence. <i>Journal of Seismology</i> , 2001, 5, 73-83.	0.6	54
21	Recent extension driven by mantle upwelling beneath the Admiralty Mountains (East Antarctica). <i>Tectonics</i> , 2008, 27, .	1.3	54
22	On the shaping factors of the secondary microseismic wavefield. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 6241-6262.	1.4	53
23	Italian and Alpine three-dimensional crustal structure imaged by ambient noise surface wave dispersion. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 4405-4421.	1.0	52
24	European Mediterranean Regional Centroid Moment Tensor catalog: Solutions for years 2003 and 2004. <i>Physics of the Earth and Planetary Interiors</i> , 2007, 164, 90-112.	0.7	48
25	Title is missing!. <i>Journal of Seismology</i> , 2000, 4, 365-375.	0.6	47
26	Repeating earthquakes from rupture of an asperity under an Antarctic outlet glacier. <i>Earth and Planetary Science Letters</i> , 2007, 253, 151-158.	1.8	47
27	EPmantle: a 3-D transversely isotropic model of the upper mantle under the European Plate. <i>Geophysical Journal International</i> , 2011, 185, 469-484.	1.0	37
28	Group velocity of Rayleigh waves in the Antarctic region. <i>Physics of the Earth and Planetary Interiors</i> , 2000, 122, 55-66.	0.7	35
29	Surface wave tomography in the European and Mediterranean region. <i>Geophysical Journal International</i> , 2009, 177, 1050-1066.	1.0	32
30	Dynamics of the transition zone under Europe inferred from wavelet cross-spectra of seismic tomography. <i>Physics of the Earth and Planetary Interiors</i> , 2001, 125, 125-139.	0.7	30
31	Imaging the Mediterranean upper mantle by p- wave travel time tomography. <i>Annals of Geophysics</i> , 1997, 40, .	0.5	29
32	Imaging lateral heterogeneity in the northern Apennines from time reversal of reflected surface waves. <i>Geophysical Journal International</i> , 2009, 177, 543-554.	1.0	25
33	The harmonic expansion approach to the retrieval of deep Earth structure. , 1987, , 251-274.		25
34	MedNet: the very broad-band seismic network for the Mediterranean. <i>Il Nuovo Cimento Della Società Italiana Di Fisica C</i> , 1991, 14, 79-99.	0.2	22
35	Slow rupture of an aseismic fault in a seismogenic region of Central Italy. <i>Geophysical Research Letters</i> , 2002, 29, 72-1-72-4.	1.5	21
36	Crustal structure of northern Italy from the ellipticity of Rayleigh waves. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 265, 1-14.	0.7	20

#	ARTICLE	IF	CITATIONS
37	Neural networks and discrimination of seismic signals. Computers and Geosciences, 1995, 21, 279-288.	2.0	18
38	Standardization of seismic tomographic models and earthquake focal mechanisms data sets based on web technologies, visualization with keyhole markup language. Computers and Geosciences, 2011, 37, 47-56.	2.0	18
39	An atlas of Mediterranean seismicity. Annals of Geophysics, 2009, 47, .	0.5	18
40	Rapid response to the earthquake emergency of May 2012 in the Po Plain, northern Italy. Annals of Geophysics, 2012, 55, .	0.5	18
41	Slab Geometry and Upper Mantle Flow Patterns in the Central Mediterranean From 3D Anisotropic P -Wave Tomography. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	18
42	Ellipticity of Rayleigh waves in basin and hard-rock sites in Northern Italy. Geophysical Journal International, 2016, 206, 395-407.	1.0	17
43	Joint Determination of Lateral Heterogeneity and Earthquake Location. , 1991, , 515-534.		17
44	Reflection of seismic surface waves at the northern Apennines. Earth and Planetary Science Letters, 2007, 259, 149-158.	1.8	16
45	Constraining S -wave velocity using Rayleigh wave ellipticity from polarization analysis of seismic noise. Geophysical Journal International, 2019, 216, 1817-1830.	1.0	16
46	P-wave propagation heterogeneity and earthquake location in the Mediterranean region. Geophysical Journal International, 1998, 135, 232-254.	1.0	15
47	On the existence of a periodic dislocation cycle in horizontally layered viscoelastic models. Journal of Geophysical Research, 1986, 91, 6396-6404.	3.3	14
48	Seismic rays and traveltime tomography of strongly heterogeneous mantle structure: application to the Central Mediterranean. Geophysical Journal International, 2011, 187, 1708-1724.	1.0	14
49	Upper mantle structure below the European continent: Constraints from surface-wave tomography and GRACE satellite gravity data. Journal of Geophysical Research, 2012, 117, .	3.3	13
50	Parallel, ℓ_1 -norm, dense matrix problems: Application to 3D sequential integrated inversion of seismological and gravity data. Computers and Geosciences, 2012, 48, 143-156.	2.0	13
51	Finite-difference P -wave travel time seismic tomography of the crust and uppermost mantle in the Italian region. Geochemistry, Geophysics, Geosystems, 2014, 15, 69-88.	1.0	13
52	Updated Antarctic crustal model. Gondwana Research, 2021, 89, 1-18.	3.0	13
53	Crustal structure beneath Portugal from teleseismic Rayleigh Wave Ellipticity. Tectonophysics, 2017, 712-713, 344-361.	0.9	12
54	Full-waveform seismic tomography of the Vrancea, Romania, subduction region. Physics of the Earth and Planetary Interiors, 2017, 273, 36-49.	0.7	12

#	ARTICLE	IF	CITATIONS
55	Application of monitoring guidelines to induced seismicity in Italy. <i>Journal of Seismology</i> , 2020, 24, 1015-1028.	0.6	11
56	Very-broad-band seismology in Northern Africa under the MedNet project. <i>Tectonophysics</i> , 1992, 209, 17-30.	0.9	10
57	A Crustal Model for the Eastern Alps Region and a New Moho Map in Southeastern Europe. <i>Pure and Applied Geophysics</i> , 2012, 169, 1575-1588.	0.8	10
58	ANTASed – An Updated Sediment Model for Antarctica. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	10
59	Improving Seismic Event Location: An Alternative to Three-dimensional Structural Models. , 2001, 158, 319-347.		8
60	Seismic anisotropy of the Victoria Land region, Antarctica. <i>Geophysical Journal International</i> , 2010, , no-no.	1.0	5
61	Effect of Groundwater on Noise-Based Monitoring of Crustal Velocity Changes Near a Produced Water Injection Well in Val d'Agri (Italy). <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	5
62	Uppermost crustal structure regulates the flow of the Greenland Ice Sheet. <i>Nature Communications</i> , 2021, 12, 7307.	5.8	5
63	Evidence for an S-velocity discontinuity in the lowermost mantle beneath the South Eastern Pacific Basin. <i>Geophysical Research Letters</i> , 1997, 24, 2617-2620.	1.5	4
64	Comment on “Reproducing Earth's kernel: Uncertainty of the shape of the core-mantle boundary from PKP and PcP travel times” by P. B. Stark and N. W. Hengartner. <i>Journal of Geophysical Research</i> , 1995, 100, 15393-15397.	3.3	3
65	Hybrid Broadband Seismograms for Seismic Shaking Scenarios: An Application to the Po Plain Sedimentary Basin (Northern Italy). <i>Pure and Applied Geophysics</i> , 2020, 177, 2181-2198.	0.8	2
66	Joint Geophysical Observations of Ice Stream Dynamics. , 2008, , 281-298.		2
67	A network of multi-sensor stations for continuous monitoring of ground motion and deformation. <i>Physics of the Earth and Planetary Interiors</i> , 1994, 84, 289-298.	0.7	1
68	Images of the Iberian Lithosphere from One Local Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2011, 101, 881-887.	1.1	1
69	Practical Issues in Monitoring a Hydrocarbon Cultivation Activity in Italy: The Pilot Project at the Cavone Oil Field. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	1
70	Developments in imaging European lithospheric structure: a review of recent results, and prospects from the AlpArray initiative. <i>Acta Geologica Sinica</i> , 2019, 93, 84-84.	0.8	0
71	Improving Seismic Event Location: An Alternative to Three-dimensional Structural Models. , 2001, , 319-347.		0
72	Seismological Studies of Upper Mantle Structure Below the Mediterranean with a Regional Seismograph Network. , 1993, , 189-211.		0