

Andrea Morelli

List of Publications by Year in descending order

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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	Slab Geometry and Upper Mantle Flow Patterns in the Central Mediterranean From 3D Anisotropic P -Wave Tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	18
2	Updated Antarctic crustal model. <i>Gondwana Research</i> , 2021, 89, 1-18.	3.0	13
3	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
4	ANTASed " An Updated Sediment Model for Antarctica. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	10
5	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
6	Uppermost crustal structure regulates the flow of the Greenland Ice Sheet. <i>Nature Communications</i> , 2021, 12, 7307.	5.8	5
7	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
8	Application of monitoring guidelines to induced seismicity in Italy. <i>Journal of Seismology</i> , 2020, 24, 1015-1028.	0.6	11
9	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
10	Constraining S -wave velocity using Rayleigh wave ellipticity from polarization analysis of seismic noise. <i>Geophysical Journal International</i> , 2019, 216, 1817-1830.	1.0	16
11	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
12	Crustal structure beneath Portugal from teleseismic Rayleigh Wave Ellipticity. <i>Tectonophysics</i> , 2017, 712-713, 344-361.	0.9	12
13	Full-waveform seismic tomography of the Vrancea, Romania, subduction region. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 273, 36-49.	0.7	12
14	Ellipticity of Rayleigh waves in basin and hard-rock sites in Northern Italy. <i>Geophysical Journal International</i> , 2016, 206, 395-407.	1.0	17
15	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
16	On the shaping factors of the secondary microseismic wavefield. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 6241-6262.	1.4	53
17	Development and Testing of a 3D Seismic Velocity Model of the Po Plain Sedimentary Basin, Italy. <i>Bulletin of the Seismological Society of America</i> , 2015, 105, 753-764.	1.1	58
18	Finite-difference P wave travel time seismic tomography of the crust and uppermost mantle in the Italian region. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 69-88.	1.0	13

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19	Modelling the ocean site effect on seismic noise body waves. <i>Geophysical Journal International</i> , 2014, 197, 1096-1106.	1.0	74
20	The Moho depth map of the Antarctica region. <i>Tectonophysics</i> , 2013, 609, 299-313.	0.9	55
21	Modelling secondary microseismic noise by normal mode summation. <i>Geophysical Journal International</i> , 2013, 193, 1732-1745.	1.0	86
22	Upper mantle structure below the European continent: Constraints from surface wave tomography and GRACE satellite gravity data. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	13
23	Parallel, large™, dense matrix problems: Application to 3D sequential integrated inversion of seismological and gravity data. <i>Computers and Geosciences</i> , 2012, 48, 143-156.	2.0	13
24	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
25	Rapid response to the earthquake emergency of May 2012 in the Po Plain, northern Italy. <i>Annals of Geophysics</i> , 2012, 55, .	0.5	18
26	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
27	European Mediterranean Regional Centroid Moment Tensor catalog: Solutions for 2005-2008. <i>Physics of the Earth and Planetary Interiors</i> , 2011, 185, 74-81.	0.7	99
28	EPcrust: a reference crustal model for the European Plate. <i>Geophysical Journal International</i> , 2011, 185, 352-364.	1.0	150
29	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
30	Seismic rays and traveltimes tomography of strongly heterogeneous mantle structure: application to the Central Mediterranean. <i>Geophysical Journal International</i> , 2011, 187, 1708-1724.	1.0	14
31	Standardization of seismic tomographic models and earthquake focal mechanisms data sets based on web technologies, visualization with keyhole markup language. <i>Computers and Geosciences</i> , 2011, 37, 47-56.	2.0	18
32	Seismic moment tensors of the April 2009, L'Aquila (Central Italy), earthquake sequence. <i>Geophysical Journal International</i> , 2010, 180, 238-242.	1.0	91
33	Seismic anisotropy of the Victoria Land region, Antarctica. <i>Geophysical Journal International</i> , 2010, , no-no.	1.0	5
34	Surface wave tomography in the European and Mediterranean region. <i>Geophysical Journal International</i> , 2009, 177, 1050-1066.	1.0	32
35	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
36	An atlas of Mediterranean seismicity. <i>Annals of Geophysics</i> , 2009, 47, .	0.5	18

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37	Recent extension driven by mantle upwelling beneath the Admiralty Mountains (East Antarctica). <i>Tectonics</i> , 2008, 27, .	1.3	54
38	Joint Geophysical Observations of Ice Stream Dynamics. , 2008, , 281-298.		2
39	Europeanâ€™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
40	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
41	Reflection of seismic surface waves at the northern Apennines. <i>Earth and Planetary Science Letters</i> , 2007, 259, 149-158.	1.8	16
42	The Italian CMT dataset from 1977 to the present. <i>Physics of the Earth and Planetary Interiors</i> , 2006, 159, 286-303.	0.7	392
43	Seismological imaging of the Antarctic continental lithosphere: a review. <i>Global and Planetary Change</i> , 2004, 42, 155-165.	1.6	106
44	European-Mediterranean regional centroid-moment tensor catalog: solutions for years 2001 and 2002. <i>Physics of the Earth and Planetary Interiors</i> , 2004, 145, 127-147.	0.7	96
45	Subduction and the depth of convection in the Mediterranean mantle. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	204
46	Pwave tomography of the mantle under the Alpine-Mediterranean area. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	599
47	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
48	Europeanâ€™Mediterranean regional centroid-moment tensors: 1997â€™2000. <i>Physics of the Earth and Planetary Interiors</i> , 2002, 130, 71-101.	0.7	211
49	Structure of the upper mantle under the Antarctic Plate from surface wave tomography. <i>Geophysical Research Letters</i> , 2001, 28, 4395-4398.	1.5	91
50	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
51	Seismotectonic re-evaluation of the 1976 Friuli, Italy, seismic sequence. <i>Journal of Seismology</i> , 2001, 5, 73-83.	0.6	54
52	Improving Seismic Event Location: An Alternative to Three-dimensional Structural Models. , 2001, 158, 319-347.		8
53	Improving Seismic Event Location: An Alternative to Three-dimensional Structural Models. , 2001, , 319-347.		0
54	Title is missing!. <i>Journal of Seismology</i> , 2000, 4, 365-375.	0.6	47

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55	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
56	P-wave propagation heterogeneity and earthquake location in the Mediterranean region. <i>Geophysical Journal International</i> , 1998, 135, 232-254.	1.0	15
57	Moment tensor analysis of the Central Italy Earthquake Sequence of September-October 1997. <i>Geophysical Research Letters</i> , 1998, 25, 1971-1974.	1.5	165
58	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
59	Imaging the Mediterranean upper mantle by p- wave travel time tomography. <i>Annals of Geophysics</i> , 1997, 40, .	0.5	29
60	Seismic deformation in the Mediterranean area estimated by moment tensor summation. <i>Geophysical Journal International</i> , 1995, 122, 938-952.	1.0	59
61	Neural networks and discrimination of seismic signals. <i>Computers and Geosciences</i> , 1995, 21, 279-288.	2.0	18
62	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
63	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
64	Body Wave Traveltimes and A Spherically Symmetric P- and S-Wave Velocity Model. <i>Geophysical Journal International</i> , 1993, 112, 178-194.	1.0	140
65	Seismological Studies of Upper Mantle Structure Below the Mediterranean with a Regional Seismograph Network. , 1993, , 189-211.		0
66	Very-broad-band seismology in Northern Africa under the MedNet project. <i>Tectonophysics</i> , 1992, 209, 17-30.	0.9	10
67	MedNet: the very broad-band seismic network for the Mediterranean. <i>Il Nuovo Cimento Della Societ� Italiana Di Fisica C</i> , 1991, 14, 79-99.	0.2	22
68	Joint Determination of Lateral Heterogeneity and Earthquake Location. , 1991, , 515-534.		17
69	Topography of the core-mantle boundary and lateral homogeneity of the liquid core. <i>Nature</i> , 1987, 325, 678-683.	13.7	336
70	The harmonic expansion approach to the retrieval of deep Earth structure. , 1987, , 251-274.		25
71	On the existence of a periodic dislocation cycle in horizontally layered viscoelastic models. <i>Journal of Geophysical Research</i> , 1986, 91, 6396-6404.	3.3	14
72	Anisotropy of the inner core inferred from PKIKP travel times. <i>Geophysical Research Letters</i> , 1986, 13, 1545-1548.	1.5	388