

Magdala Tesauro

List of Publications by Year in descending order

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44
papers

1,847
citations

218677

26
h-index

265206

42
g-index

45
all docs

45
docs citations

45
times ranked

1804
citing authors

#	ARTICLE	IF	CITATIONS
1	A Thermo-Compositional Model of the African Cratonic Lithosphere. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	2.5	4
2	The Congo Basin: Stratigraphy and subsurface structure defined by regional seismic reflection, refraction and well data. <i>Global and Planetary Change</i> , 2021, 198, 103407.	3.5	18
3	A Thermo-Compositional Model of the Cratonic Lithosphere of South America. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009307.	2.5	7
4	Phlogopite-pargasite coexistence in an oxygen reduced spinel-peridotite ambient. <i>Scientific Reports</i> , 2021, 11, 11829.	3.3	3
5	Thickness of sediments in the Congo basin based on the analysis of decompensative gravity anomalies. <i>Journal of African Earth Sciences</i> , 2021, 179, 104201.	2.0	3
6	The Congo Basin: Subsurface structure interpreted using potential field data and constrained by seismic data. <i>Global and Planetary Change</i> , 2021, 205, 103611.	3.5	4
7	Thermal and Compositional Anomalies of the Australian Upper Mantle From Seismic and Gravity Data. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009305.	2.5	14
8	Strength variations of the Australian continent: Effects of temperature, strain rate, and rheological changes. <i>Global and Planetary Change</i> , 2020, 195, 103322.	3.5	6
9	3-Density, Thermal, and Compositional Model of the Antarctic Lithosphere and Implications for Its Evolution. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 688-707.	2.5	30
10	Marsili and Cefal basins: The evolution of a rift system in the southern Tyrrhenian Sea (Central) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	3.5	12
11	Strength and elastic thickness variations in the Arabian Plate: A combination of temperature, composition and strain rates of the lithosphere. <i>Tectonophysics</i> , 2018, 746, 398-411.	2.2	13
12	Reconsidering Effective Elastic Thickness Estimates by Incorporating the Effect of Sediments: A Case Study for Europe. <i>Geophysical Research Letters</i> , 2018, 45, 9523-9532.	4.0	23
13	Mantle Flow and Deforming Continents: From India-Asia Convergence to Pacific Subduction. <i>Tectonics</i> , 2018, 37, 2887-2914.	2.8	72
14	The Arctic lithosphere: Thermo-mechanical structure and effective elastic thickness. <i>Global and Planetary Change</i> , 2018, 171, 2-17.	3.5	8
15	Refining the thermal structure of the European lithosphere by inversion of subsurface temperature data. <i>Global and Planetary Change</i> , 2018, 171, 18-47.	3.5	10
16	From stretching to mantle exhumation in a triangular backarc basin (Vavilov basin, Tyrrhenian Sea,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	2.2	21
17	Upper plate deformation as marker for the Northern STEP fault of the Ionian slab (Tyrrhenian Sea,) Tj ETQq1 1 0.784314 rgBT /Overlock 27	2.2	27
18	Glacial isostatic uplift of the European Alps. <i>Nature Communications</i> , 2016, 7, 13382.	12.8	62

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19	Lithospheric strength variations in Mainland China: Tectonic implications. <i>Tectonics</i> , 2016, 35, 2313-2333.	2.8	49
20	Three-dimensional density model of the upper mantle in the Middle East: Interaction of diverse tectonic processes. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 5349-5364.	3.4	38
21	3D density model of the upper mantle of Asia based on inversion of gravity and seismic tomography data. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4457-4477.	2.5	43
22	Variations of the lithospheric strength and elastic thickness in North America. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2197-2220.	2.5	48
23	Applying local Green's functions to study the influence of the crustal structure on hydrological loading displacements. <i>Journal of Geodynamics</i> , 2015, 88, 14-22.	1.6	45
24	Density, temperature, and composition of the North American lithosphere—New insights from a joint analysis of seismic, gravity, and mineral physics data: 1. Density structure of the crust and upper mantle. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4781-4807.	2.5	50
25	NACr14: A 3D model for the crustal structure of the North American Continent. <i>Tectonophysics</i> , 2014, 631, 65-86.	2.2	42
26	Density, temperature, and composition of the North American lithosphere—New insights from a joint analysis of seismic, gravity, and mineral physics data: 2. Thermal and compositional model of the upper mantle. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4808-4830.	2.5	45
27	Contrasts of seismic velocity, density and strength across the Moho. <i>Tectonophysics</i> , 2013, 609, 437-455.	2.2	39
28	Global model for the lithospheric strength and effective elastic thickness. <i>Tectonophysics</i> , 2013, 602, 78-86.	2.2	51
29	Interference of lithospheric folding in western Central Asia by simultaneous Indian and Arabian plate indentation. <i>Tectonophysics</i> , 2013, 602, 176-193.	2.2	31
30	High resolution regional crustal models from irregularly distributed data: Application to Asia and adjacent areas. <i>Tectonophysics</i> , 2013, 602, 55-68.	2.2	77
31	Global strength and elastic thickness of the lithosphere. <i>Global and Planetary Change</i> , 2012, 90-91, 51-57.	3.5	66
32	The effective elastic thickness of the continental lithosphere: Comparison between rheological and inverse approaches. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	62
33	Ductile crustal flow in Europe's lithosphere. <i>Earth and Planetary Science Letters</i> , 2011, 312, 254-265.	4.4	14
34	Lithosphere tectonics and thermo-mechanical properties: An integrated modelling approach for Enhanced Geothermal Systems exploration in Europe. <i>Earth-Science Reviews</i> , 2010, 102, 159-206.	9.1	97
35	An integrated gravity model for Europe's crust and upper mantle. <i>Earth and Planetary Science Letters</i> , 2010, 296, 195-209.	4.4	53
36	P- and S-velocity anomalies in the upper mantle beneath Europe from tomographic inversion of ISC data. <i>Geophysical Journal International</i> , 2009, 179, 345-366.	2.4	163

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37	A new thermal and rheological model of the European lithosphere. <i>Tectonophysics</i> , 2009, 476, 478-495.	2.2	105
38	Thermal and Rheological Model of the European Lithosphere. , 2009, , 71-101.		5
39	How rigid is Europe's lithosphere?. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	47
40	3D Crustal Model of Western and Central Europe as a Basis for Modelling Mantle Structure. , 2009, , 39-69.		3
41	EuCRUSTâ€™07: A new reference model for the European crust. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	213
42	3D strength and gravity anomalies of the European lithosphere. <i>Earth and Planetary Science Letters</i> , 2007, 263, 56-73.	4.4	41
43	Analysis of central western Europe deformation using GPS and seismic data. <i>Journal of Geodynamics</i> , 2006, 42, 194-209.	1.6	40
44	Continuous GPS and broad-scale deformation across the Rhine Graben and the Alps. <i>International Journal of Earth Sciences</i> , 2005, 94, 525-537.	1.8	42