Claudia Piromallo

List of Publications by Year
in descending order

41	5,144	201385 27	344852 36
papers	citations	h-index	g-index

44	44	44	3864
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lateral slab deformation and the origin of the western Mediterranean arcs. Tectonics, 2004, 23, n/a-n/a.	1.3	680
2	Pwave tomography of the mantle under the Alpine-Mediterranean area. Journal of Geophysical Research, 2003, 108, .	3.3	599
3	Aegean tectonics: Strain localisation, slab tearing and trench retreat. Tectonophysics, 2013, 597-598, 1-33.	0.9	419
4	Mantle dynamics in the Mediterranean. Reviews of Geophysics, 2014, 52, 283-332.	9.0	394
5	Slab detachment beneath eastern Anatolia: A possible cause for the formation of the North Anatolian fault. Earth and Planetary Science Letters, 2006, 242, 85-97.	1.8	331
6	Orogens and slabs vs. their direction of subduction. Earth-Science Reviews, 1999, 45, 167-208.	4.0	289
7	Subduction-triggered magmatic pulses: A new class of plumes?. Earth and Planetary Science Letters, 2010, 299, 54-68.	1.8	211
8	Subduction and the depth of convection in the Mediterranean mantle. Journal of Geophysical Research, 2003, 108, .	3.3	204
9	From mantle to crust: Stretching the Mediterranean. Earth and Planetary Science Letters, 2009, 285, 198-209.	1.8	202
10	Mapping mantle flow during retreating subduction: Laboratory models analyzed by feature tracking. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	186
11	Physical characteristics of subduction interface type seismogenic zones revisited. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	1.0	161
12	The AlpArray Seismic Network: A Large-Scale European Experiment to Image the Alpine Orogen. Surveys in Geophysics, 2018, 39, 1009-1033.	2.1	138
13	Three-dimensional instantaneous mantle flow induced by subduction. Geophysical Research Letters, 2006, 33, .	1.5	136
14	Subduction polarity reversal at the junction between the Western Alps and the Northern Apennines, Italy. Tectonophysics, 2008, 450, 34-50.	0.9	125
15	Topography of the Calabria subduction zone (southern Italy): Clues for the origin of Mt. Etna. Tectonics, 2011, 30, .	1.3	120
16	Constraints on mantle circulation around the deforming Calabrian slab. Geophysical Research Letters, 2005, 32, .	1.5	114
17	Recent tectonic reorganization of the Nubia-Eurasia convergent boundary heading for the closure of the western Mediterranean. Bulletin - Societie Geologique De France, 2011, 182, 279-303.	0.9	108
18	Contrasting styles of (U)HP rock exhumation along the Cenozoic Adriaâ€Europe plate boundary (Western Alps, Calabria, Corsica). Geochemistry, Geophysics, Geosystems, 2015, 16, 1786-1824.	1.0	102

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19	Seismic anisotropy reveals the long route of the slab through the western-central Mediterranean mantle. Earth and Planetary Science Letters, 2006, 241, 517-529.	1.8	99
20	Convergence vs. retreat in Southern Tyrrhenian Sea: Insights from kinematics. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	80
21	Structural control on the Tohoku earthquake rupture process investigated by 3D FEM, tsunami and geodetic data. Scientific Reports, 2014, 4, 5631.	1.6	72
22	How deep can we find the traces of Alpine subduction?. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	56
23	Geodynamic implications of deep mantle upwelling in the source of Tertiary volcanics from the Veneto region (South-Eastern Alps). Journal of Geodynamics, 2003, 36, 563-590.	0.7	52
24	A late Cretaceous contamination episode of the Europeanâ€“Mediterranean mantle. Earth and Planetary Science Letters, 2008, 268, 15-27.	1.8	33
25	Surface imprint of toroidal flow at retreating slab edges: The first geodetic evidence in the Calabrian subduction system. Geophysical Research Letters, 2017, 44, 845-853.	1.5	31
26	Dynamics of the transition zone under Europe inferred from wavelet cross-spectra of seismic tomography. Physics of the Earth and Planetary Interiors, 2001, 125, 125-139.	0.7	30
27	Is there a remnant Variscan subducted slab in the mantle beneath the Paris basin? Implications for the late Variscan lithospheric delamination process and the Paris basin formation. Tectonophysics, 2012, 558-559, 70-83.	0.9	30
28	Slab disruption, mantle circulation, and the opening of the Tyrrhenian basins. , 2007, , .		29
29	Imaging the Mediterranean upper mantle by p- wave travel time tomography. Annals of Geophysics, 1997, 40, .	0.5	29
30	Multivariate statistical analysis to investigate the subduction zone parameters favoring the occurrence of giant megathrust earthquakes. Tectonophysics, 2018, 728-729, 92-103.	0.9	20
31	P-wave propagation heterogeneity and earthquake location in the Mediterranean region. Geophysical Journal International, 1998, 135, 232-254.	1.0	15
32	Shear wave splitting in the Alpine region. Geophysical Journal International, 2021, 227, 1996-2015.	1.0	12
33	Sea-level fluctuations due to subduction: The role of mantle rheology. Geophysical Research Letters, 1997, 24, 1587-1590.	1.5	8
34	Improving Seismic Event Location: An Alternative to Three-dimensional Structural Models. , 2001, 158, 319-347.		8
35	AlpArray-Italy: Site description and noise characterization. Advances in Geosciences, 0, 43, 39-52.	12.0	8
36	Mantle Structure in the Central Mediterranean Region From P and S Receiver Functions. Geochemistry, Geophysics, Geosystems, 2019, 20, 4545-4566.	1.0	5

#	Article	IF	Citations
37	Reply to the comment by G. Capponi et al. on â€œSubduction polarity reversal at the junction between the Western Alps and the Northern Apennines, Italyâ€• by G. Vignaroli et al. (Tectonophysics, 2008, 450,) Tj ETQq1 1 0.784314 rgBT /Ove		
38	The INGVterremoti blog: a new communication tool to improve earthquake information during the Po Plain seismic sequence. Annals of Geophysics, 2012, 55, .	0.5	3
39	Empirical Analysis of Global-Scale Natural Data and Analogue Seismotectonic Modelling Data to Unravel the Seismic Behaviour of the Subduction Megathrust. Frontiers in Earth Science, 2020, 8, .	0.8	1
40	Relative Sea Level Variations Caused by Subduction. Surveys in Geophysics, 1997, 18, 225-238.	2.1	0
41	The Transition Zone Beneath West Argentinaâ€Central Chile Using P â€toâ€•S Converted Waves. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019446.	1.4	0