

Ivone JimÃ©nez-Munt

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,893
citations

304368

22
h-index

301761

39
g-index

49
all docs

49
docs citations

49
times ranked

2508
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical modelling of opposing subduction in the Western Mediterranean. <i>Tectonophysics</i> , 2022, 830, 229309.	0.9	3
2	Towards a Digital Twin of the Earth System: Geo-Soft-CoRe, a Geoscientific Software & Code Repository. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	1
3	Can changes in deformation regimes be inferred from crystallographic preferred orientations in polar ice?. <i>Cryosphere</i> , 2022, 16, 2009-2024.	1.5	4
4	Opposite Symmetry in the Lithospheric Structure of the Alboran and Algerian Basins and Their Margins (Western Mediterranean): Geodynamic Implications. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021388.	1.4	12
5	Regional crustal and lithospheric thickness model for Alaska, the Chukchi shelf, and the inner and outer bering shelves. <i>Geophysical Journal International</i> , 2020, 220, 522-540.	1.0	6
6	A GIS method to identify flat surfaces and restore relict fluvial longâ€¦profiles from terrace remnants gives new clues on how large basins respond to endorheicâ€¦exorheic transitions (Duero basin, Iberian) Tj ETQq0 012rgBT /Overlock 10	1.6	18
7	Dates and rates of endo-exorheic drainage development: Insights from fluvial terraces (Duero River,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	18
8	LitMod2D_2.0: An Improved Integrated Geophysicalâ€¦Petrological Modeling Tool for the Physical Interpretation of Upper Mantle Anomalies. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008777.	1.0	14
9	Deep Seated Density Anomalies Across the Iberiaâ€¦Africa Plate Boundary and Its Topographic Response. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 13310-13332.	1.4	17
10	Lithospheric mantle buoyancy: the role of tectonic convergence and mantle composition. <i>Scientific Reports</i> , 2019, 9, 17953.	1.6	16
11	Lithospheric structure in Central Eurasia derived from elevation, geoid anomaly and thermal analysis. <i>Geological Society Special Publication</i> , 2017, 427, 271-293.	0.8	24
12	Neotectonic Deformation in Central Eurasia: A Geodynamic Model Approach. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 9461-9484.	1.4	8
13	Geophysicalâ€¦petrological model of the crust and upper mantle in the Indiaâ€¦Eurasia collision zone. <i>Tectonics</i> , 2016, 35, 1642-1669.	1.3	45
14	Topographic Evolution and Climate Aridification during Continental Collision: Insights from Computer Simulations. <i>PLoS ONE</i> , 2015, 10, e0132252.	1.1	16
15	Crust and mantle lithospheric structure of the Iberian Peninsula deduced from potential field modeling and thermal analysis. <i>Tectonophysics</i> , 2015, 663, 419-433.	0.9	51
16	A 3-D shear velocity model of the southern North American and Caribbean plates from ambient noise and earthquake tomography. <i>Solid Earth</i> , 2015, 6, 271-284.	1.2	15
17	Geophysical-petrological modeling of the lithosphere beneath the Cantabrian Mountains and the North-Iberian margin: geodynamic implications. <i>Lithos</i> , 2015, 230, 46-68.	0.6	52
18	From the North-Iberian Margin to the Alboran Basin: A lithosphere geo-transect across the Iberian Plate. <i>Tectonophysics</i> , 2015, 663, 399-418.	0.9	34

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19	Thermal and petrophysical characterization of the lithospheric mantle along the northeastern Iberia geo-transect. <i>Gondwana Research</i> , 2015, 27, 1430-1445.	3.0	26
20	Lithospheric mantle heterogeneities beneath the Zagros Mountains and the Iranian Plateau: a petrological-geophysical study. <i>Geophysical Journal International</i> , 2014, 200, 596-614.	1.0	43
21	Lateral migration of a foundering high-density root: Insights from numerical modeling applied to the southern Sierra Nevada. <i>Lithos</i> , 2014, 189, 77-88.	0.6	5
22	Coupled mantle dripping and lateral dragging controlling the lithosphere structure of the NW-Moroccan margin and the Atlas Mountains: A numerical experiment. <i>Lithos</i> , 2014, 189, 16-27.	0.6	5
23	3-D lithospheric structure and regional/residual Bouguer anomalies in the Arabia-Eurasia collision (Iran). <i>Geophysical Journal International</i> , 2012, 190, 1311-1324.	1.0	78
24	Decoupled crust-mantle accommodation of Africa-Eurasia convergence in the NW Moroccan margin. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	30
25	Crustal-scale cross-sections across the NW Zagros belt: implications for the Arabian margin reconstruction. <i>Geological Magazine</i> , 2011, 148, 739-761.	0.9	169
26	Deep and near-surface consequences of root removal by asymmetric continental delamination. <i>Tectonophysics</i> , 2011, 502, 257-265.	0.9	30
27	Radiogenic heat production variability of some common lithological groups and its significance to lithospheric thermal modeling. <i>Tectonophysics</i> , 2010, 490, 152-164.	0.9	168
28	Lithospheric structure of the Gorringe Bank: Insights into its origin and tectonic evolution. <i>Tectonics</i> , 2010, 29, n/a-n/a.	1.3	53
29	Catastrophic flood of the Mediterranean after the Messinian salinity crisis. <i>Nature</i> , 2009, 462, 778-781.	13.7	380
30	Lithosphere structure underneath the Tibetan Plateau inferred from elevation, gravity and geoid anomalies. <i>Earth and Planetary Science Letters</i> , 2008, 267, 276-289.	1.8	167
31	Influence of mantle dynamics on the topographic evolution of the Tibetan Plateau: Results from numerical modeling. <i>Tectonics</i> , 2006, 25, n/a-n/a.	1.3	49
32	Thin-sheet modelling of lithospheric deformation and surface mass transport. <i>Tectonophysics</i> , 2005, 407, 239-255.	0.9	15
33	Gravitational and tectonic forces controlling postcollisional deformation and the present-day stress field of the Alps: Constraints from numerical modeling. <i>Tectonics</i> , 2005, 24, n/a-n/a.	1.3	25
34	Evidence for eastward mantle flow beneath the Caribbean plate from neotectonic modeling. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	15
35	Active deformation in the Mediterranean from Gibraltar to Anatolia inferred from numerical modeling and geodetic and seismological data. <i>Journal of Geophysical Research</i> , 2003, 108, ETG 2-1-ETG 2-24.	3.3	88
36	Neotectonic modelling of the western part of the Africa-Eurasia plate boundary: from the Mid-Atlantic ridge to Algeria. <i>Earth and Planetary Science Letters</i> , 2003, 205, 257-271.	1.8	62

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37	The block-like behavior of Anatolia envisaged in the modeled and geodetic strain rates. Geophysical Research Letters, 2002, 29, 39-1-39-4.	1.5	24
38	Thin-shell modeling of neotectonics in the Azores-Gibraltar Region. Geophysical Research Letters, 2001, 28, 1083-1086.	1.5	31
39	The transition from linear to diffuse plate boundary in the Azores-Gibraltar region: results from a thin-sheet model. Earth and Planetary Science Letters, 2001, 192, 175-189.	1.8	91
40	La estructura profunda del Zagros y de la meseta de Irán: un modelo geofísico y petrológico. Física De La Tierra, 1970, 23, 93.	0.1	0