Ivone JimÃ©nez-Munt

List of Publications by Year
in descending order

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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	Catastrophic flood of the Mediterranean after the Messinian salinity crisis. Nature, 2009, 462, 778-781.	13.7	380
2	Crustal-scale cross-sections across the NW Zagros belt: implications for the Arabian margin reconstruction. Geological Magazine, 2011, 148, 739-761.	0.9	169
3	Radiogenic heat production variability of some common lithological groups and its significance to lithospheric thermal modeling. Tectonophysics, 2010, 490, 152-164.	0.9	168
4	Lithosphere structure underneath the Tibetan Plateau inferred from elevation, gravity and geoid anomalies. Earth and Planetary Science Letters, 2008, 267, 276-289.	1.8	167
5	The transition from linear to diffuse plate boundary in the Azoresâ€“Gibraltar region: results from a thin-sheet model. Earth and Planetary Science Letters, 2001, 192, 175-189.	1.8	91
6	Active deformation in the Mediterranean from Gibraltar to Anatolia inferred from numerical modeling and geodetic and seismological data. Journal of Geophysical Research, 2003, 108, ETG 2-1-ETG 2-24.	3.3	88
7	3-D lithospheric structure and regional/residual Bouguer anomalies in the Arabia-Eurasia collision (Iran). Geophysical Journal International, 2012, 190, 1311-1324.	1.0	78
8	Neotectonic modelling of the western part of the Africaâ€“Eurasia plate boundary: from the Mid-Atlantic ridge to Algeria. Earth and Planetary Science Letters, 2003, 205, 257-271.	1.8	62
9	Lithospheric structure of the Gorringe Bank: Insights into its origin and tectonic evolution. Tectonics, 2010, 29, n/a-n/a.	1.3	53
10	Geophysical-petrological modeling of the lithosphere beneath the Cantabrian Mountains and the North-Iberian margin: geodynamic implications. Lithos, 2015, 230, 46-68.	0.6	52
11	Crust and mantle lithospheric structure of the Iberian Peninsula deduced from potential field modeling and thermal analysis. Tectonophysics, 2015, 663, 419-433.	0.9	51
12	Influence of mantle dynamics on the topographic evolution of the Tibetan Plateau: Results from numerical modeling. Tectonics, 2006, 25, n/a-n/a.	1.3	49
13	Geophysicalâ€petrological model of the crust and upper mantle in the Indiaâ€Eurasia collision zone. Tectonics, 2016, 35, 1642-1669.	1.3	45
14	Lithospheric mantle heterogeneities beneath the Zagros Mountains and the Iranian Plateau: a petrological-geophysical study. Geophysical Journal International, 2014, 200, 596-614.	1.0	43
15	From the North-Iberian Margin to the Alboran Basin: A lithosphere geo-transect across the Iberian Plate. Tectonophysics, 2015, 663, 399-418.	0.9	34
16	Thin-shell modeling of neotectonics in the Azores-Gibraltar Region. Geophysical Research Letters, 2001, 28, 1083-1086.	1.5	31
17	Decoupled crust-mantle accommodation of Africa-Eurasia convergence in the NW Moroccan margin. Journal of Geophysical Research, 2011, 116, .	3.3	30
18	Deep and near-surface consequences of root removal by asymmetric continental delamination. Tectonophysics, 2011, 502, 257-265.	0.9	30

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19	Thermal and petrophysical characterization of the lithospheric mantle along the northeastern Iberia geo-transect. Gondwana Research, 2015, 27, 1430-1445.	3.0	26
20	Gravitational and tectonic forces controlling postcollisional deformation and the present-day stress field of the Alps: Constraints from numerical modeling. Tectonics, 2005, 24, n/a-n/a.	1.3	25
21	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
22	Lithospheric structure in Central Eurasia derived from elevation, geoid anomaly and thermal analysis. Geological Society Special Publication, 2017, 427, 271-293.	0.8	24
23	Dates and rates of endo-exorheic drainage development: Insights from fluvial terraces (Duero River,) Tj ETQq1 1 0.784314 rgBT /Overl	1.6	18
24	Deep Seated Density Anomalies Across the Iberiaâ€Africa Plate Boundary and Its Topographic Response. Journal of Geophysical Research: Solid Earth, 2019, 124, 13310-13332.	1.4	17
25	Topographic Evolution and Climate Aridification during Continental Collision: Insights from Computer Simulations. PLoS ONE, 2015, 10, e0132252.	1.1	16
26	Lithospheric mantle buoyancy: the role of tectonic convergence and mantle composition. Scientific Reports, 2019, 9, 17953.	1.6	16
27	Evidence for eastward mantle flow beneath the Caribbean plate from neotectonic modeling. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	15
28	Thin-sheet modelling of lithospheric deformation and surface mass transport. Tectonophysics, 2005, 407, 239-255.	0.9	15
29	A 3-D shear velocity model of the southern North American and Caribbean plates from ambient noise and earthquake tomography. Solid Earth, 2015, 6, 271-284.	1.2	15
30	LitMod2D_2.0: An Improved Integrated Geophysicalâ€Petrological Modeling Tool for the Physical Interpretation of Upper Mantle Anomalies. Geochemistry, Geophysics, Geosystems, 2020, 21, e2019GC008777.	1.0	14
31	Opposite Symmetry in the Lithospheric Structure of the Alboran and Algerian Basins and Their Margins (Western Mediterranean): Geodynamic Implications. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021388.	1.4	12
32	Neotectonic Deformation in Central Eurasia: A Geodynamic Model Approach. Journal of Geophysical Research: Solid Earth, 2017, 122, 9461-9484.	1.4	8
33	Regional crustal and lithospheric thickness model for Alaska, the Chukchi shelf, and the inner and outer bering shelves. Geophysical Journal International, 2020, 220, 522-540.	1.0	6
34	Lateral migration of a foundering high-density root: Insights from numerical modeling applied to the southern Sierra Nevada. Lithos, 2014, 189, 77-88.	0.6	5
35	Coupled mantle dripping and lateral dragging controlling the lithosphere structure of the NW-Moroccan margin and the Atlas Mountains: A numerical experiment. Lithos, 2014, 189, 16-27.	0.6	5
36	Can changes in deformation regimes be inferred from crystallographic preferred orientations in polar ice?. Cryosphere, 2022, 16, 2009-2024.	1.5	4

#	Article	IF	Citations
37	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 ETQq1 1 0.784314 rgBT /O		
38	Numerical modelling of opposing subduction in the Western Mediterranean. Tectonophysics, 2022, 830, 229309.	0.9	3
39	Towards a Digital Twin of the Earth System: Geo-Soft-CoRe, a Geoscientific Software & Code Repository. Frontiers in Earth Science, 2022, 10, .	0.8	1
40	La estructura profunda del Zagros y de la meseta de IrÃ¡n: un modelo geofÃsico y petrolÃ³gico. FÃsica De La Tierra, 1970, 23, 93.	0.1	0