Gaspar Monsalve

List of Publications by Year
in descending order

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33 papers	1,244 citations	516710 16 h-index	434195 31 g-index
36 all docs	36 docs citations	36 times ranked	1175 citing authors

#	Article	IF	Citations
1	Imaging the Indian subcontinent beneath the Himalaya. Nature, 2005, 435, 1222-1225.	27.8	419
2	Seismicity and one-dimensional velocity structure of the Himalayan collision zone: Earthquakes in the crust and upper mantle. Journal of Geophysical Research, 2006, 111, .	3.3	182
3	Seismic structure of the crust and the upper mantle beneath the Himalayas: Evidence for eclogitization of lower crustal rocks in the Indian Plate. Journal of Geophysical Research, 2008, 113, .	3.3	74
4	Earthquake processes of the Himalayan collision zone in eastern Nepal and the southern Tibetan Plateau. Geophysical Journal International, 2007, 171, 718-738.	2.4	65
5	Transition From Collisional to Subductionâ€Related Regimes: An Example From Neogene Panamaâ€Nazcaâ€South America Interactions. Tectonics, 2018, 37, 119-139.	2.8	62
6	Receiver functions and crustal structure of the northwestern Andean region, Colombia. Journal of Geophysical Research: Solid Earth, 2015, 120, 2408-2425.	3.4	56
7	Transient slab flattening beneath Colombia. Geophysical Research Letters, 2017, 44, 6616-6623.	4.0	56
8	Physical state of Himalayan crust and uppermost mantle: Constraints from seismic attenuation and velocity tomography. Journal of Geophysical Research: Solid Earth, 2014, 119, 567-580.	3.4	43
9	Seismological observations in Northwestern South America: Evidence for two subduction segments, contrasting crustal thicknesses and upper mantle flow. Tectonophysics, 2014, 637, 57-67.	2.2	39
10	Seismic anisotropy and slab dynamics from SKS splitting recorded in Colombia. Geophysical Research Letters, 2014, 41, 8775-8783.	4.0	25
11	Paleomagnetic and gravimetrical reconnaissance of Cretaceous volcanic rocks from the Western Colombian Andes: paleogeographic connections with the Caribbean Plate. Studia Geophysica Et Geodaetica, 2018, 62, 485-511.	0.5	21
12	Mantle earthquakes in the Himalayan collision zone. Geology, 2019, 47, 815-819.	4.4	20
13	Mantle fault zones beneath the Himalayan collision: Flexure of the continental lithosphere. Tectonophysics, 2009, 477, 66-76.	2.2	19
14	Middle Miocene near trench volcanism in northern Colombia: A record of slab tearing due to the simultaneous subduction of the Caribbean Plate under South and Central America?. Journal of South American Earth Sciences, 2013, 45, 24-41.	1.4	19
15	Regional provenance from southwestern Colombia foreâ€arc and intraâ€arc basins: implications for Middle to Late Miocene orogeny in the Northern Andes. Terra Nova, 2015, 27, 356-363.	2.1	19
16	Petrogenesis of the late Miocene Combia volcanic complex, northwestern Colombian Andes: Tectonic implication of short term and compositionally heterogeneous arc magmatism. Lithos, 2019, 330-331, 194-210.	1.4	19
17	Lithospheric thickness estimation beneath <scp>N</scp>orthwestern <scp>S</scp>outh <scp>A</scp>merica from an Sâ€wave receiver function analysis. Geochemistry, Geophysics, Geosystems, 2017, 18, 1376-1387.	2.5	16
18	Erosion and regional exhumation of an Early Cretaceous subduction/accretion complex in the Northern Andes. International Geology Review, 2020, 62, 186-209.	2.1	16

#	Article	IF	Citations
19	How Much Did the Colombian Andes Rise by the Collision of the Caribbean Oceanic Plateau?. Geophysical Research Letters, 2021, 48, e2021GL093362.	4.0	15
20	3â€Ð Modeling of Vertical Gravity Gradients and the Delimitation of Tectonic Boundaries: The Caribbean Oceanic Domain as a Case Study. Geochemistry, Geophysics, Geosystems, 2019, 20, 5371-5393.	2.5	11
21	Insights into Moho depth beneath the northwestern Andean region from gravity data inversion. Geophysical Journal International, 2022, 229, 1964-1977.	2.4	11
22	Deep Crustal Faults, Shear Zones, and Magmatism in the Eastern Cordillera of Colombia: Growth of a Plateau From Teleseismic Receiver Function and Geochemical Mioâ€Pliocene Volcanism Constraints. Journal of Geophysical Research: Solid Earth, 2019, 124, 9833-9851.	3.4	10
23	The preserved plume of the Caribbean Large Igneous Plateau revealed by 3D data-integrative models. Solid Earth, 2021, 12, 275-298.	2.8	5
24	Arclogite nature of the Colombian Andes magmatic arc root: A receiver-function approach. Tectonophysics, 2022, 836, 229417.	2.2	5
25	Geological inferences about the upper crustal configuration of the Medellin â€“ Aburra Valley (Colombia) using strong motion seismic records. Geodesy and Geodynamics, 2018, 9, 67-76.	2.2	4
26	Correlation between tides and seismicity in Northwestern South America: The case of Colombia. Journal of South American Earth Sciences, 2019, 89, 227-245.	1.4	4
27	Ground accelerations and empirical site classification through H/V response spectral ratio (HVRSR) using historical records from the strong motion network of the AburrÃ¡ Valley, Colombia. Soil Dynamics and Earthquake Engineering, 2022, 152, 107063.	3.8	2
28	Seismic and thermo-compositional insights into the uppermost mantle beneath the Northern Andes magmatic arc. Journal of South American Earth Sciences, 2022, 117, 103883.	1.4	2
29	An Assessment of Colorado Seismicity from a Statewide Temporary Seismic Station Network. Seismological Research Letters, 2008, 79, 645-652.	1.9	1
30	Tidal Coulomb Failure Stresses in the northern Andean intermediate depth seismic clusters: Implications for a possible correlation between tides and seismicity. Tectonophysics, 2019, 762, 61-78.	2.2	1
31	Increased megathrust shear force drives topographic uplift in the Colombian coastal forearc. Tectonophysics, 2021, 820, 229132.	2.2	1
32	TOMOGRAFÃA DE RESISTIVIDAD ELÃ‰CTRICA APLICADA AL ANÃLISIS DE FALLAS ACTIVAS. CASO DE ESTUDIO: FALLA ABRIAQUÃ, FRONTINO, ANTIOQUIA. Boletin De Geologia, 2016, 38, 151-164.	0.2	1
33	ConstrucciÃ³n de mecanismos focales en el norte de la Cordillera Central colombiana a partir de registros de la Red SismolÃ³gica Nacional de Colombia. BoletÃn De Ciencias De La Tierra, 2017, , 36-44.	0.1	0