

Gaspar Monsalve

List of Publications by Year in descending order

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papers

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citations

516710

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434195

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docs citations

36
times ranked

1175
citing authors

#	ARTICLE	IF	CITATIONS
1	Ground accelerations and empirical site classification through H/V response spectral ratio (HVRSR) using historical records from the strong motion network of the Aburr Valley, Colombia. <i>Soil Dynamics and Earthquake Engineering</i> , 2022, 152, 107063.	3.8	2
2	Insights into Moho depth beneath the northwestern Andean region from gravity data inversion. <i>Geophysical Journal International</i> , 2022, 229, 1964-1977.	2.4	11
3	Arclogite nature of the Colombian Andes magmatic arc root: A receiver-function approach. <i>Tectonophysics</i> , 2022, 836, 229417.	2.2	5
4	Seismic and thermo-compositional insights into the uppermost mantle beneath the Northern Andes magmatic arc. <i>Journal of South American Earth Sciences</i> , 2022, 117, 103883.	1.4	2
5	How Much Did the Colombian Andes Rise by the Collision of the Caribbean Oceanic Plateau?. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093362.	4.0	15
6	The preserved plume of the Caribbean Large Igneous Plateau revealed by 3D data-integrative models. <i>Solid Earth</i> , 2021, 12, 275-298.	2.8	5
7	Increased megathrust shear force drives topographic uplift in the Colombian coastal forearc. <i>Tectonophysics</i> , 2021, 820, 229132.	2.2	1
8	Erosion and regional exhumation of an Early Cretaceous subduction/accretion complex in the Northern Andes. <i>International Geology Review</i> , 2020, 62, 186-209.	2.1	16
9	3 Modeling of Vertical Gravity Gradients and the Delimitation of Tectonic Boundaries: The Caribbean Oceanic Domain as a Case Study. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 5371-5393.	2.5	11
10	Deep Crustal Faults, Shear Zones, and Magmatism in the Eastern Cordillera of Colombia: Growth of a Plateau From Teleseismic Receiver Function and Geochemical Mio Pliocene Volcanism Constraints. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 9833-9851.	3.4	10
11	Mantle earthquakes in the Himalayan collision zone. <i>Geology</i> , 2019, 47, 815-819.	4.4	20
12	Tidal Coulomb Failure Stresses in the northern Andean intermediate depth seismic clusters: Implications for a possible correlation between tides and seismicity. <i>Tectonophysics</i> , 2019, 762, 61-78.	2.2	1
13	Petrogenesis of the late Miocene Combia volcanic complex, northwestern Colombian Andes: Tectonic implication of short term and compositionally heterogeneous arc magmatism. <i>Lithos</i> , 2019, 330-331, 194-210.	1.4	19
14	Correlation between tides and seismicity in Northwestern South America: The case of Colombia. <i>Journal of South American Earth Sciences</i> , 2019, 89, 227-245.	1.4	4
15	Transition From Collisional to Subduction Related Regimes: An Example From Neogene Panama Nazca South America Interactions. <i>Tectonics</i> , 2018, 37, 119-139.	2.8	62
16	Geological inferences about the upper crustal configuration of the Medellin  Aburra Valley (Colombia) using strong motion seismic records. <i>Geodesy and Geodynamics</i> , 2018, 9, 67-76.	2.2	4
17	Paleomagnetic and gravimetrical reconnaissance of Cretaceous volcanic rocks from the Western Colombian Andes: paleogeographic connections with the Caribbean Plate. <i>Studia Geophysica Et Geodaetica</i> , 2018, 62, 485-511.	0.5	21
18	Lithospheric thickness estimation beneath northwestern South America from an S-wave receiver function analysis. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1376-1387.	2.5	16

#	ARTICLE	IF	CITATIONS
19	Transient slab flattening beneath Colombia. <i>Geophysical Research Letters</i> , 2017, 44, 6616-6623.	4.0	56
20	Construcción de mecanismos focales en el norte de la Cordillera Central colombiana a partir de registros de la Red Sismológica Nacional de Colombia. <i>Boletín De Ciencias De La Tierra</i> , 2017, , 36-44.	0.1	0
21	TOMOGRFIA DE RESISTIVIDAD ELÉCTRICA APLICADA AL ANÁLISIS DE FALLAS ACTIVAS. CASO DE ESTUDIO: FALLA ABRIAQUÁ, FRONTINO, ANTIOQUIA. <i>Boletín De Geología</i> , 2016, 38, 151-164.	0.2	1
22	Receiver functions and crustal structure of the northwestern Andean region, Colombia. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 2408-2425.	3.4	56
23	Regional provenance from southwestern Colombia forearc and intraarc basins: implications for Middle to Late Miocene orogeny in the Northern Andes. <i>Terra Nova</i> , 2015, 27, 356-363.	2.1	19
24	Seismological observations in Northwestern South America: Evidence for two subduction segments, contrasting crustal thicknesses and upper mantle flow. <i>Tectonophysics</i> , 2014, 637, 57-67.	2.2	39
25	Physical state of Himalayan crust and uppermost mantle: Constraints from seismic attenuation and velocity tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 567-580.	3.4	43
26	Seismic anisotropy and slab dynamics from <i>SKS</i> splitting recorded in Colombia. <i>Geophysical Research Letters</i> , 2014, 41, 8775-8783.	4.0	25
27	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?. <i>Journal of South American Earth Sciences</i> , 2013, 45, 24-41.	1.4	19
28	Mantle fault zones beneath the Himalayan collision: Flexure of the continental lithosphere. <i>Tectonophysics</i> , 2009, 477, 66-76.	2.2	19
29	Seismic structure of the crust and the upper mantle beneath the Himalayas: Evidence for eclogitization of lower crustal rocks in the Indian Plate. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	74
30	An Assessment of Colorado Seismicity from a Statewide Temporary Seismic Station Network. <i>Seismological Research Letters</i> , 2008, 79, 645-652.	1.9	1
31	Earthquake processes of the Himalayan collision zone in eastern Nepal and the southern Tibetan Plateau. <i>Geophysical Journal International</i> , 2007, 171, 718-738.	2.4	65
32	Seismicity and one-dimensional velocity structure of the Himalayan collision zone: Earthquakes in the crust and upper mantle. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	182
33	Imaging the Indian subcontinent beneath the Himalaya. <i>Nature</i> , 2005, 435, 1222-1225.	27.8	419