Alejandra Staller

List of Publications by Year
in descending order

Version: 2024-02-01

23 papers	280 citations	933410 10 h-index	940516 16 g-index
26 all docs	26 docs citations	26 times ranked	324 citing authors

#	Article	IF	Citations
1	Interpolation of GPS and Geological Data Using InSAR Deformation Maps: Method and Application to Land Subsidence in the Alto GuadalentÃn Aquifer (SE Spain). Remote Sensing, 2016, 8, 965.	4.0	42
2	The new Central American seismic hazard zonation: Mutual consensus based on up to day seismotectonic framework. Tectonophysics, 2017, 721, 462-476.	2.2	41
3	Present-day crustal deformation along the El Salvador Fault Zone from ZFESNet GPS network. Tectonophysics, 2016, 670, 66-81.	2.2	24
4	Improving multi-technique monitoring using Sentinel-1 and Cosmo-SkyMed data and upgrading groundwater model capabilities. Science of the Total Environment, 2020, 703, 134757.	8.0	21
5	GPS Monitoring in the N-W Part of the Volcanic Island of Tenerife, Canaries, Spain: Strategy and Results. Pure and Applied Geophysics, 2004, 161, 1359-1377.	1.9	20
6	GPS constraints on deformation in northern Central America from 1999 to 2017, Part 1 â€“ Time-dependent modelling of large regional earthquakes and their post-seismic effects. Geophysical Journal International, 2018, 214, 2177-2194.	2.4	20
7	InSAR-Based Mapping to Support Decision-Making after an Earthquake. Remote Sensing, 2018, 10, 899.	4.0	18
8	GPS constraints on deformation in northern Central America from 1999 to 2017, Part 2: Block rotations and fault slip rates, fault locking and distributed deformation. Geophysical Journal International, 2019, 218, 729-754.	2.4	18
9	Structural evolution of the El Salvador Fault Zone: an evolving fault system within a volcanic arc.. Journal of Iberian Geology, 2014, 40, .	1.3	14
10	Models for reproducing the damage scenario of the Lorca earthquake. Bulletin of Earthquake Engineering, 2014, 12, 2075-2093.	4.1	11
11	Large-magnitude crustal seismic sources in El Salvador and deterministic hazard scenarios. Engineering Geology, 2018, 243, 70-83.	6.3	9
12	Crustal motion and deformation in Ecuador from cGNSS time series. Journal of South American Earth Sciences, 2018, 86, 94-109.	1.4	9
13	Push-pull driving of the Central America Forearc in the context of the Cocos-Caribbean-North America triple junction. Scientific Reports, 2019, 9, 11164.	3.3	7
14	Methodological approach for the estimation of a new velocity model for continental Ecuador. Open Geosciences, 2017, 9, .	1.7	6
15	Hurst Coefficient Estimation by Rescaled Range and Wavelet of the ENU Coordinates Time Series in GNSS Network. IEEE Latin America Transactions, 2018, 16, 1064-1069.	1.6	4
16	Assessing Building Habitability after an Earthquake Using Building Typology and Damage Grade. Application in Lorca, Spain. Journal of Earthquake Engineering, 2022, 26, 3417-3439.	2.5	4
17	GPS Monitoring in the N-W Part of the Volcanic Island of Tenerife, Canaries, Spain: Strategy and Results. , 2004, , 1359-1377.		4
18	Analysis of the 2014 MwÂ7.3 Papanoa (Mexico) Earthquake: Implications for Seismic Hazard Assessment. Seismological Research Letters, 0, , .	1.9	3

#	Article	IF	Citations
19	Active faults of El Salvador. Journal of South American Earth Sciences, 2021, 105, 103038.	1.4	3
20	Main crustal seismic sources in El Salvador. Data in Brief, 2018, 20, 1085-1089.	1.0	1
21	Active Triclinic Transtension in a Volcanic Arc: A Case of the El Salvador Fault Zone in Central America. Geosciences (Switzerland), 2022, 12, 266.	2.2	1
22	Erratum to Analysis of the 2014 MwÂ7.3 Papanoa (Mexico) Earthquake: Implications for Seismic Hazard Assessment. Seismological Research Letters, 2020, 91, 1927-1927.	1.9	0
23	TOWARDS A PRECISE MODELLING OF THE EL SALVADOR FAULT ZONE USING GEODETIC TECHNIQUES. , 0, , .		0