RaÃºl RamÃ³n Castro

List of Publications by Year
in descending order

71 papers	2,109 citations	361045 20 h-index	243296 44 g-index
72 all docs	72 docs citations	72 times ranked	1579 citing authors

#	Article	IF	Citations
1	Ambient noise tomography in the Cerro Prieto Basin, Baja California, Mexico from laterally constrained surface wave inversion. Geophysical Journal International, 2022, 229, 1586-1603.	1.0	2
2	GITEC: A Generalized Inversion Technique Benchmark. Bulletin of the Seismological Society of America, 2022, 112, 850-877.	1.1	12
3	Near-Source Attenuation and Spatial Variability of the Spectral Decay Parameter Kappa in Central Italy. Seismological Research Letters, 2022, 93, 2299-2310.	0.8	12
4	Seismicity in the Gulf of California, Mexico, in the period 1901â€“2018. Journal of South American Earth Sciences, 2021, 106, 103087.	0.6	8
5	Seismic energy radiated by earthquakes in the Basin and Range Province of Sonora, Mexico, near the rupture of the 1887 Mw 7.5 earthquake. Journal of Seismology, 2021, 25, 73-83.	0.6	0
6	Three-dimensional shear-wave quality factor, Qs(f), model for south-central Gulf of California, Mexico obtained from inversion of broadband data. Geofisica International, 2021, 60, 140-160.	0.2	0
7	Depth-Dependent Shear-Wave Attenuation in Central Apennines, Italy. Pure and Applied Geophysics, 2021, 178, 2059-2075.	0.8	3
8	Upper crust attenuation in the Basin and Range Province of Sonora, Mexico. Journal of Seismology, 2021, 25, 1241-1249.	0.6	0
9	High-resolution seismic imaging of the plate boundary in northern Baja California and southern California using double-pair double-difference tomography. Earth and Planetary Science Letters, 2021, 568, 117004.	1.8	5
10	Detailed Investigation of the Foreshock Sequence of the 2010 M_w7.2 El Mayorâ€Cucapah Earthquake. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB019076.	1.4	20
11	Shearâ€Wave Attenuation Study in the South Region of the Gulf of California, Mexico. Bulletin of the Seismological Society of America, 2019, 109, 600-609.	1.1	6
12	Radiated seismic energy of earthquakes in the southâ€“central region of the Gulf of California, Mexico. Geophysical Journal International, 2018, 214, 990-1003.	1.0	3
13	The Northwest Mexico Seismic Network: Realâ€Time Seismic Monitoring in Northern Baja California and Northwestern Sonora, Mexico. Seismological Research Letters, 2018, 89, 324-337.	0.8	11
14	The Broadband Seismological Network (RESBAN) of the Gulf of California, Mexico. Seismological Research Letters, 2018, 89, 338-344.	0.8	8
15	Source Functions and Path Effects from Earthquakes in the Farallon Transform Fault Region, Gulf of California, Mexico that Occurred on October 2013. Pageoph Topical Volumes, 2018, , 45-62.	0.2	0
16	Active tectonics in the Gulf of California and seismicity (M > 3.0) for the period 2002â€“2014. Tectonophysics, 2017, 719-720, 4-16.	0.9	23
17	Source Functions and Path Effects from Earthquakes in the Farallon Transform Fault Region, Gulf of California, Mexico that Occurred on October 2013. Pure and Applied Geophysics, 2017, 174, 2239-2256.	0.8	9
18	A review on advances in seismology in Mexico after 30 years from the 1985 earthquake. Journal of South American Earth Sciences, 2016, 70, 49-54.	0.6	3

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19	Seismicity in the Basin and Range Province of Sonora, MÃ©xico, between 2003 and 2011, near the Rupture of the 3 May 1887 Mw 7.5 Earthquake. Geofisica International, 2015, 54, 83-94.	0.2	1
20	Delayed Dynamic Triggered Seismicity in Northern Baja California, MÃ©xico Caused by Large and Remote Earthquakes. Bulletin of the Seismological Society of America, 2015, 105, 1825-1835.	1.1	8
21	Estimation of Local Magnitude in Northeastern Sonora, Mexico, Using Empirical Relations Based on Recorded Duration. Seismological Research Letters, 2015, 86, 870-875.	0.8	2
22	Estimation of the spectral parameter kappa in the region of the Gulf of California, Mexico. Journal of Seismology, 2015, 19, 809-829.	0.6	9
23	S-wave attenuation in northeastern Sonora, Mexico, near the faults that ruptured during the earthquake of 3 May 1887 Mw 7.5. SpringerPlus, 2014, 3, 747.	1.2	3
24	An Attenuation Study of Body Waves in the South-Central Region of the Gulf of California, Mexico. Bulletin of the Seismological Society of America, 2014, 104, 2027-2042.	1.1	15
25	Overview on the Strong-Motion Data Recorded during the May-June 2012 Emilia Seismic Sequence. Seismological Research Letters, 2013, 84, 629-644.	0.8	51
26	Potential Signatures of Damage-Related Radiation from Aftershocks of the 4 April 2010 (Mw 7.2) El Mayor-Cucapah Earthquake, Baja California, Mexico. Bulletin of the Seismological Society of America, 2013, 103, 1130-1140.	1.1	26
27	Empirical ground-motion relations using moderate earthquakes recorded by MedellÃnâ€“AburrÃ¡ Valley (Colombia) strong-motion networks. Bulletin of Earthquake Engineering, 2013, 11, 863-884.	2.3	1
28	The 2012 May 20 and 29, Emilia earthquakes (Northern Italy) and the main aftershocks: S-wave attenuation, acceleration source functions and site effects. Geophysical Journal International, 2013, 195, 597-611.	1.0	22
29	Stochastic Finite-Fault Ground-Motion Simulation and Source Characterization of the 4 April 2010 Mw 7.2 El Mayor-Cucapah Earthquake. Seismological Research Letters, 2012, 83, 235-249.	0.8	6
30	Remote triggered seismicity caused by the 2011, M9.0 Tohokuâ€Oki, Japan earthquake. Geophysical Research Letters, 2012, 39, .	1.5	79
31	Location of Aftershocks of the 4 April 2010 Mw 7.2 El Mayor-Cucapah Earthquake of Baja California, Mexico. Bulletin of the Seismological Society of America, 2011, 101, 3072-3080.	1.1	20
32	The 3 August 2009 Mw 6.9 Canal de Ballenas Region, Gulf of California, Earthquake and Its Aftershocks. Bulletin of the Seismological Society of America, 2011, 101, 929-939.	1.1	18
33	Location of Moderate-Sized Earthquakes Recorded by the NARSâ€“Baja Array in the Gulf of California Region Between 2002 and 2006. Pure and Applied Geophysics, 2011, 168, 1279-1292.	0.8	17
34	The Spectral Decay Parameter Kappa in Northeastern Sonora, Mexico. Bulletin of the Seismological Society of America, 2010, 100, 196-206.	1.1	36
35	The Long-Lasting Aftershock Series of the 3 May 1887 Mw 7.5 Sonora Earthquake in the Mexican Basin and Range Province. Bulletin of the Seismological Society of America, 2010, 100, 1153-1164.	1.1	19
36	Body-wave Attenuation in the Region of Garda, Italy. Pure and Applied Geophysics, 2008, 165, 1351-1366.	0.8	19

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37	Stochastic Strong-Motion Simulation of the Mw 6 Umbria-Marche Earthquake of September 1997: Comparison of Different Approaches. Bulletin of the Seismological Society of America, 2008, 98, 662-670.	1.1	18
38	Seismic anisotropy in northern and central Gulf of California region, Mexico, from teleseismic receiver functions and new evidence of possible plate capture. Journal of Geophysical Research, 2008, 113, .	3.3	13
39	Crustal Q in Southern Italy determined from regional earthquakes. Tectonophysics, 2008, 457, 96-101.	0.9	13
40	Seismic Attenuation in Northeastern Sonora, Mexico. Bulletin of the Seismological Society of America, 2008, 98, 722-732.	1.1	30
41	Shear-wave splitting observations at the regions of northern Baja California and southern Basin and Range in Mexico. Geophysical Research Letters, 2006, 33, .	1.5	16
42	Analysis of the Frequency Dependence of the S-Wave Radiation Pattern from Local Earthquakes in Central Italy. Bulletin of the Seismological Society of America, 2006, 96, 415-426.	1.1	15
43	Ground-Motion Predictions from Empirical Attenuation Relationships versus Recorded Data: The Case of the 1997-1998 Umbria-Marche, Central Italy, Strong-Motion Data Set. Bulletin of the Seismological Society of America, 2006, 96, 984-1002.	1.1	52
44	Stochastic Modeling of the 30 September 1999 Mw 7.5 Earthquake, Oaxaca, Mexico. Bulletin of the Seismological Society of America, 2005, 95, 2259-2271.	1.1	11
45	Geotechnical Site Characterisation in the Umbria-Marche Area and Evaluation of Earthquake Site-Response. Pure and Applied Geophysics, 2005, 162, 2133-2161.	0.8	25
46	The RESNOM seismic catalog and its bearing on the seismicity of Northwestern Mexico. Geofisica International, 2005, 44, 143-155.	0.2	3
47	Site Response of Strong Motion Stations in the Umbria, Central Italy, Region. Bulletin of the Seismological Society of America, 2004, 94, 576-590.	1.1	54
48	Determination of crustal thickness beneath Chiapas, Mexico usingSandSpwaves. Geophysical Journal International, 2004, 157, 215-228.	1.0	9
49	Structure, soilâ€“structure response and effects of damage based on observations of horizontal-to-vertical spectral ratios of microtremors. Soil Dynamics and Earthquake Engineering, 2004, 24, 487-495.	1.9	90
50	The 1997-1998 Umbria-Marche sequence (central Italy): Source, path, and site effects estimated from strong motion data recorded in the epicentral area. Journal of Geophysical Research, 2004, 109, .	3.3	49
51	Attenuation and Site Effects in the Region of Guadeloupe, Lesser Antilles. Bulletin of the Seismological Society of America, 2003, 93, 612-626.	1.1	16
52	An attenuation study using earthquakes from the 1997 Umbria-Marche sequence. Journal of Seismology, 2002, 6, 43-59.	0.6	28
53	Crustal thickness of the Peninsular Ranges and Gulf Extensional Province in the Californias. Journal of Geophysical Research, 2001, 106, 13599-13611.	3.3	60
54	Stochastic Simulation of Strong-Motion Records from the 26 September 1997 (Mw 6), Umbria-Marche (Central Italy) Earthquake. Bulletin of the Seismological Society of America, 2001, 91, 27-39.	1.1	47

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55	Source Characteristics of a 5.5 Magnitude Earthquake that Occurred in the Transform Fault System of the Delfin Basin in the Gulf of California. Bulletin of the Seismological Society of America, 2001, 91, 781-791.	1.1	20
56	Site Response of the Dam El Infiernillo, Guerrero-Michoacan, Mexico. Bulletin of the Seismological Society of America, 2000, 90, 1446-1453.	1.1	8
57	The spectral decay parameter Î° in the region of Umbria-Marche, Italy. Journal of Geophysical Research, 2000, 105, 23811-23823.	3.3	28
58	P- and S-wave attenuation in the region of Marche, Italy. Tectonophysics, 1999, 302, 123-132.	0.9	23
59	S wave attenuation in the coastal region of Jaliscoâ€“Colima, MÃ©xico. Physics of the Earth and Planetary Interiors, 1999, 115, 247-257.	0.7	8
60	P- and S-Wave Site Response of the Seismic Network RESNOM Determined from Earthquakes of Northern Baja California, Mexico. Pure and Applied Geophysics, 1998, 152, 125-138.	0.8	7
61	An empirical model for estimating horizontal acceleration Fourier spectra for the Imperial-Mexicali Valley region. Geofisica International, 1998, 37, 17-28.	0.2	1
62	Regional variations of seismic attenuation ofLgwaves in southern Mexico. Journal of Geophysical Research, 1997, 102, 27501-27509.	3.3	12
63	Direct body-wave Q estimates in northern Baja California, Mexico. Physics of the Earth and Planetary Interiors, 1997, 103, 33-38.	0.7	13
64	Determination of S-wave energy release of earthquakes in the region of Friuli, Italy. Geophysical Journal International, 1997, 128, 399-408.	1.0	10
65	Swave attenuation and site effects in the region of Friuli, Italy. Journal of Geophysical Research, 1996, 101, 22355-22369.	3.3	60
66	Estimates of the site effects in Oaxaca, Mexico using horizontal to vertical spectral ratios. Geofisica International, 1996, 35, 371-375.	0.2	0
67	Stress orientation and anisotropy based on shear-wave splitting observations in the Cerro Prieto fault area, Baja California, Mexico. Pure and Applied Geophysics, 1995, 144, 39-57.	0.8	14
68	Attenuation of P and S waves in the Oaxaca, Mexico, subduction zone. Physics of the Earth and Planetary Interiors, 1993, 76, 179-187.	0.7	27
69	Seismicity Remotely Triggered by the Magnitude 7.3 Landers, California, Earthquake. Science, 1993, 260, 1617-1623.	6.0	808
70	The Mexico Earthquake of September 19, 1985â€”An Empirical Model to Predict Fourier Amplitude Spectra of Horizontal Ground Motion. Earthquake Spectra, 1988, 4, 675-685.	1.6	20
71	Seismic gap of Michoacan, Mexico. Geophysical Research Letters, 1980, 7, 69-72.	1.5	22