Rowena B. Lohman

List of Publications by Year
in descending order

33	1,492	361413	414414
papers	citations	20 h-index	32 g-index

33	33	33	1605
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Some thoughts on the use of InSAR data to constrain models of surface deformation: Noise structure and data downsampling. Geochemistry, Geophysics, Geosystems, 2005, 6, n/a-n/a.	2.5	332
2	Earthquake swarms driven by aseismic creep in the Salton Trough, California. Journal of Geophysical Research, 2007, 112, .	3.3	260
3	Locations of selected small earthquakes in the Zagros mountains. Geochemistry, Geophysics, Geosystems, 2005, 6, n/a-n/a.	2.5	78
4	Automated fault model discretization for inversions for coseismic slip distributions. Journal of Geophysical Research, 2010, 115, .	3.3	76
5	Tropospheric corrections for InSAR: Statistical assessments and applications to the Central United States and Mexico. Remote Sensing of Environment, 2019, 232, 111326.	11.0	62
6	Earthquake swarms in South America. Geophysical Journal International, 2011, 187, 128-146.	2.4	61
7	Depths and focal mechanisms of crustal earthquakes in the central Andes determined from teleseismic waveform analysis and InSAR. Tectonics, 2012, 31, .	2.8	55
8	Location and mechanism of the Little Skull Mountain earthquake as constrained by satellite radar interferometry and seismic waveform modeling. Journal of Geophysical Research, 2002, 107, ETG 7-1.	3.3	54
9	InSAR constraints on soil moisture evolution after the March 2015 extreme precipitation event in Chile. Scientific Reports, 2017, 7, 4903.	3.3	51
10	Evaluation of earthquake triggering during the 2005â€“2008 earthquake sequence on Qeshm Island, Iran. Journal of Geophysical Research, 2010, 115, .	3.3	48
11	Phantom earthquakes and triggered aseismic creep: Vertical partitioning of strain during earthquake sequences in Iran. Geophysical Research Letters, 2013, 40, 819-823.	4.0	40
12	Short-lived pause in Central California subsidence after heavy winter precipitation of 2017. Science Advances, 2018, 4, eaar8144.	10.3	37
13	Relationships among seismic velocity, metamorphism, and seismic and aseismic fault slip in the Salton Sea Geothermal Field region. Journal of Geophysical Research: Solid Earth, 2015, 120, 2600-2615.	3.4	35
14	Active accommodation of plate convergence in Southern Iran: Earthquake locations, triggered aseismic slip, and regional strain rates. Journal of Geophysical Research: Solid Earth, 2013, 118, 5699-5711.	3.4	31
15	InSAR and Optical Constraints on Fault Slip during the 2010-2011 New Zealand Earthquake Sequence. Seismological Research Letters, 2011, 82, 815-823.	1.9	30
16	Constraints on surface deformation in the Seattle, WA, urban corridor from satellite radar interferometry time-series analysis. Geophysical Journal International, 2008, 174, 29-41.	2.4	29
17	Regional trends in active diapirism revealed by mountain rangeâ€scale InSAR time series. Geophysical Research Letters, 2012, 39, .	4.0	24
18	Surface materials and landforms as controls on InSAR permanent and transient responses to precipitation events in a hyperarid desert, Chile. Remote Sensing of Environment, 2020, 237, 111544.	11.0	23

#	Article	IF	Citations
19	Characterizing and estimating noise in InSAR and InSAR time series with MODIS. Geochemistry, Geophysics, Geosystems, 2013, 14, 4121-4132.	2.5	20
20	The 2011 Hudson volcano eruption (Southern Andes, Chile): Pre-eruptive inflation and hotspots observed with InSAR and thermal imagery. Bulletin of Volcanology, 2014, 76, 1.	3.0	20
21	Coherence-guided InSAR deformation analysis in the presence of ongoing land surface changes in the Imperial Valley, California. Remote Sensing of Environment, 2021, 253, 112160.	11.0	19
22	Cluster-Based Empirical Tropospheric Corrections Applied to InSAR Time Series Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2204-2212.	6.3	17
23	Sensitivity of earthquake source inversions to atmospheric noise and corrections of InSAR data. Journal of Geophysical Research: Solid Earth, 2016, 121, 4031-4044.	3.4	15
24	An Incomplete Inventory of Suspected Human-Induced Surface Deformation in North America Detected by Satellite Interferometric Synthetic-Aperture Radar. Remote Sensing, 2017, 9, 1296.	4.0	13
25	The SCEC Geodetic Transient-Detection Validation Exercise. Seismological Research Letters, 2013, 84, 419-425.	1.9	12
26	Andean earthquakes triggered by the 2010 Maule, Chile (Mw 8.8) earthquake: Comparisons of geodetic, seismic and geologic constraints. Journal of South American Earth Sciences, 2014, 50, 27-39.	1.4	12
27	Time-Varying Elevation Change at the Centralia Coal Mine in Centralia, Washington (USA), Constrained with InSAR, ASTER, and Optical Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 919-925.	4.9	10
28	The variety of subaerial active salt deformations in the Kuqa fold-thrust belt (China) constrained by InSAR. Earth and Planetary Science Letters, 2016, 450, 83-95.	4.4	8
29	Forest Canopy Heights in the Pacific Northwest Based on InSAR Phase Discontinuities across Short Spatial Scales. Remote Sensing, 2014, 6, 3210-3226.	4.0	7
30	An Alternative Approach for Constraining 3Dâ€Displacements With InSAR, Applied to a Faultâ€Bounded Groundwater Entrainment Field in California. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021137.	3.4	6
31	Highâ€Resolution Soil Moisture Evolution in Hyperâ€Arid Regions: A Comparison of InSAR, SAR, Microwave, Optical, and Data Assimilation Systems in the Southern Arabian Peninsula. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2021JF006158.	2.8	4
32	Impact of Forest Disturbance on InSAR Surface Displacement Time Series. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 128-138.	6.3	3
33	Crustal Deformation During the Seismic Cycle, Interpreting Geodetic Observations of. , 2011, , 79-94.		0