

Rowena B. Lohman

List of Publications by Year in descending order

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33
papers

1,492
citations

361413

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docs citations

33
times ranked

1605
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Impact of Forest Disturbance on InSAR Surface Displacement Time Series. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 128-138.	6.3	3
3	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
4	An Alternative Approach for Constraining 3D Displacements With InSAR, Applied to a Fault-Bounded Groundwater Entrainment Field in California. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021137.	3.4	6
5	High-Resolution Soil Moisture Evolution in Hyper-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
6	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
7	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
8	Short-lived pause in Central California subsidence after heavy winter precipitation of 2017. Science Advances, 2018, 4, eaar8144.	10.3	37
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	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
11	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
12	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
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	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
15	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
16	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
17	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
18	Characterizing and estimating noise in InSAR and InSAR time series with MODIS. Geochemistry, Geophysics, Geosystems, 2013, 14, 4121-4132.	2.5	20

#	ARTICLE	IF	CITATIONS
19	Active accommodation of plate convergence in Southern Iran: Earthquake locations, triggered aseismic slip, and regional strain rates. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 5699-5711.	3.4	31
20	Phantom earthquakes and triggered aseismic creep: Vertical partitioning of strain during earthquake sequences in Iran. <i>Geophysical Research Letters</i> , 2013, 40, 819-823.	4.0	40
21	The SCEC Geodetic Transient-Detection Validation Exercise. <i>Seismological Research Letters</i> , 2013, 84, 419-425.	1.9	12
22	Depths and focal mechanisms of crustal earthquakes in the central Andes determined from teleseismic waveform analysis and InSAR. <i>Tectonics</i> , 2012, 31, .	2.8	55
23	Regional trends in active diapirism revealed by mountain range-scale InSAR time series. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	24
24	Earthquake swarms in South America. <i>Geophysical Journal International</i> , 2011, 187, 128-146.	2.4	61
25	InSAR and Optical Constraints on Fault Slip during the 2010-2011 New Zealand Earthquake Sequence. <i>Seismological Research Letters</i> , 2011, 82, 815-823.	1.9	30
26	Crustal Deformation During the Seismic Cycle, Interpreting Geodetic Observations of. , 2011, , 79-94.		0
27	Automated fault model discretization for inversions for coseismic slip distributions. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	76
28	Evaluation of earthquake triggering during the 2005-2008 earthquake sequence on Qeshm Island, Iran. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	48
29	Constraints on surface deformation in the Seattle, WA, urban corridor from satellite radar interferometry time-series analysis. <i>Geophysical Journal International</i> , 2008, 174, 29-41.	2.4	29
30	Earthquake swarms driven by aseismic creep in the Salton Trough, California. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	260
31	Some thoughts on the use of InSAR data to constrain models of surface deformation: Noise structure and data downsampling. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	2.5	332
32	Locations of selected small earthquakes in the Zagros mountains. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	2.5	78
33	Location and mechanism of the Little Skull Mountain earthquake as constrained by satellite radar interferometry and seismic waveform modeling. <i>Journal of Geophysical Research</i> , 2002, 107, ETG 7-1.	3.3	54