

Jennifer Haase

List of Publications by Year in descending order

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66
papers

2,013
citations

236925

25
h-index

254184

43
g-index

67
all docs

67
docs citations

67
times ranked

1924
citing authors

#	ARTICLE	IF	CITATIONS
1	The Pre-Depression Investigation of Cloud-Systems in the Tropics (PREDICT) Experiment: Scientific Basis, New Analysis Tools, and Some First Results. <i>Bulletin of the American Meteorological Society</i> , 2012, 93, 153-172.	3.3	139
2	A new seismogeodetic approach applied to GPS and accelerometer observations of the 2012 Brawley seismic swarm: Implications for earthquake early warning. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 2124-2142.	2.5	124
3	Accuracy and Variability of GPS Tropospheric Delay Measurements of Water Vapor in the Western Mediterranean. <i>Journal of Applied Meteorology and Climatology</i> , 2003, 42, 1547-1568.	1.7	118
4	Modeling the rupture process of the 2003 September 25 Tokachi-Oki (Hokkaido) earthquake using 1-Hz GPS data. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	109
5	Three-dimensional VP and VS Velocity Models of the Los Angeles basin and central Transverse Ranges, California. <i>Journal of Geophysical Research</i> , 1997, 102, 5423-5453.	3.3	105
6	Recovering Seismic Displacements through Combined Use of 1-Hz GPS and Strong-Motion Accelerometers. <i>Bulletin of the Seismological Society of America</i> , 2007, 97, 357-378.	2.3	95
7	Nearly Instantaneous Tsunamis Following the M_w 7.5 2018 Palu Earthquake. <i>Geophysical Research Letters</i> , 2019, 46, 5117-5126.	4.0	93
8	Earthquake magnitude scaling using seismogeodetic data. <i>Geophysical Research Letters</i> , 2013, 40, 6089-6094.	4.0	92
9	Investigation of ionospheric electron content variations before earthquakes in southern California, 2003–2004. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	84
10	The Concordiasi Project in Antarctica. <i>Bulletin of the American Meteorological Society</i> , 2010, 91, 69-86.	3.3	78
11	Rapid modeling of the 2011 M_w 9.0 Tohoku-oki earthquake with seismogeodesy. <i>Geophysical Research Letters</i> , 2013, 40, 2963-2968.	4.0	64
12	Seismogeodesy of the 2014 M_w 6.1 Napa earthquake, California: Rapid response and modeling of fast rupture on a dipping strike-slip fault. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 5013-5033.	3.4	56
13	The Use of Ground-Based GPS Precipitable Water Measurements over China to Assess Radiosonde and ERA-Interim Moisture Trends and Errors from 1999 to 2015. <i>Journal of Climate</i> , 2017, 30, 7643-7667.	3.2	50
14	Crustal Structure and Fault Geometry of the 2010 Haiti Earthquake from Temporary Seismometer Deployments. <i>Bulletin of the Seismological Society of America</i> , 2013, 103, 2305-2325.	2.3	43
15	National Weather Service Forecasters Use GPS Precipitable Water Vapor for Enhanced Situational Awareness during the Southern California Summer Monsoon. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1867-1877.	3.3	42
16	GPS measurements of ocean loading and its impact on zenith tropospheric delay estimates: a case study in Brittany, France. <i>Journal of Geodesy</i> , 2002, 76, 419-427.	3.6	41
17	Seismic Hazard Maps for Haiti. <i>Earthquake Spectra</i> , 2011, 27, 23-41.	3.1	40
18	Seismogeodesy Using GPS and Low-Cost MEMS Accelerometers: Perspectives for Earthquake Early Warning and Rapid Response. <i>Bulletin of the Seismological Society of America</i> , 2016, 106, 2469-2489.	2.3	40

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19	Coseismic Slip Distribution of the 2010 M 7.0 Haiti Earthquake and Resulting Stress Changes on Regional Faults. <i>Bulletin of the Seismological Society of America</i> , 2013, 103, 2326-2343.	2.3	39
20	West Coast Forecast Challenges and Development of Atmospheric River Reconnaissance. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1357-E1377.	3.3	35
21	Detection of ionospheric perturbations using a dense GPS array in Southern California. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	34
22	Reducing satellite orbit error effects in near real-time GPS zenith tropospheric delay estimation for meteorology. <i>Geophysical Research Letters</i> , 2000, 27, 1915-1918.	4.0	29
23	A method for detecting ionospheric disturbances and estimating their propagation speed and direction using a large GPS network. <i>Radio Science</i> , 2007, 42, .	1.6	29
24	Joint estimation of GPS/BDS real-time clocks and initial results. <i>GPS Solutions</i> , 2016, 20, 665-676.	4.3	29
25	Profiling the Atmosphere Using the Airborne GPS Radio Occultation Technique: A Sensitivity Study. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2008, 46, 3424-3435.	6.3	28
26	Modeling the Sources of the 2018 Palu, Indonesia, Tsunami Using Videos From Social Media. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018675.	3.4	26
27	Detection and modelling of the ionospheric perturbation caused by a Space Shuttle launch using a network of ground-based Global Positioning System stations. <i>Geophysical Journal International</i> , 2013, 192, 1324-1331.	2.4	25
28	A Study of the Characteristics and Assimilation of Retrieved MODIS Total Precipitable Water Data in Severe Weather Simulations. <i>Monthly Weather Review</i> , 2008, 136, 3608-3628.	1.4	24
29	First results from an airborne GPS radio occultation system for atmospheric profiling. <i>Geophysical Research Letters</i> , 2014, 41, 1759-1765.	4.0	22
30	Estimation of Sea Surface Roughness Effects in Microwave Radiometric Measurements of Salinity Using Reflected Global Navigation Satellite System Signals. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2011, 8, 1170-1174.	3.1	18
31	Sensitivity of zenith total delay accuracy to GPS orbit errors and implications for near-real-time GPS meteorology. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 12-1.	3.3	16
32	Non-Stationary Probabilistic Tsunami Hazard Assessments Incorporating Climate-Change-Driven Sea Level Rise. <i>Earth's Future</i> , 2021, 9, e2021EF002007.	6.3	16
33	French transportable laser ranging station: scientific objectives, technical features, and performance. <i>Applied Optics</i> , 2000, 39, 402.	2.1	15
34	Open-Loop Tracking of Rising and Setting GPS Radio-Occultation Signals From an Airborne Platform: Signal Model and Error Analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 3967-3984.	6.3	15
35	Data Gaps within Atmospheric Rivers over the Northeastern Pacific. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E492-E524.	3.3	15
36	Probabilistic Seismic-Hazard Assessment Including Site Effects for Evansville, Indiana, and the Surrounding Region. <i>Bulletin of the Seismological Society of America</i> , 2011, 101, 1039-1054.	2.3	14

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37	GPS/INS navigation precision and its effect on airborne radio occultation retrieval accuracy. <i>GPS Solutions</i> , 2011, 15, 207-218.	4.3	14
38	Airborne GPS radio occultation refractivity profiles observed in tropical storm environments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 1690-1709.	3.3	14
39	Development and testing of the GISMOS instrument. , 2007, , .		13
40	Exploration of remote triggering: A survey of multiple fault structures in Haiti. <i>Earth and Planetary Science Letters</i> , 2016, 455, 14-24.	4.4	12
41	The Impact of Airborne Radio Occultation Observations on the Simulation of Hurricane Karl (2010). <i>Monthly Weather Review</i> , 2018, 146, 329-350.	1.4	12
42	Improved Forecast Skill Through the Assimilation of Dropsonde Observations From the Atmospheric River Reconnaissance Program. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034967.	3.3	9
43	Liquefaction Hazard near the Ohio River from Midwestern Scenario Earthquakes. <i>Environmental and Engineering Geoscience</i> , 2011, 17, 165-181.	0.9	8
44	Seismic fragility analysis using nonlinear autoregressive neural networks with exogenous input. <i>Structure and Infrastructure Engineering</i> , 2022, 18, 1251-1265.	3.7	8
45	A proof-of-concept balloon-borne Global Positioning System radio occultation profiling instrument for polar studies. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	7
46	Application of the full spectrum inversion algorithm to simulated airborne GPS radio occultation signals. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 5077-5087.	3.1	7
47	The Potential for Discriminating Microphysical Processes in Numerical Weather Forecasts Using Airborne Polarimetric Radio Occultations. <i>Remote Sensing</i> , 2019, 11, 2268.	4.0	7
48	Modeling Uncertainties of Bathymetry Predicted With Satellite Altimetry Data and Application to Tsunami Hazard Assessments. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019735.	3.4	7
49	Probabilistic Seismic Hazard Estimates Incorporating Site Effects--An Example from Indiana, U.S.A. <i>Environmental and Engineering Geoscience</i> , 2010, 16, 369-388.	0.9	6
50	The Risks of Contracting the Acquisition and Processing of the Nation's Weather and Climate Data to the Private Sector. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 869-870.	3.3	6
51	Multi-GNSS Airborne Radio Occultation Observations as a Complement to Dropsondes in Atmospheric River Reconnaissance. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034865.	3.3	6
52	Earthquake Scenario Ground Motions for the Urban Area of Evansville, Indiana. <i>Seismological Research Letters</i> , 2011, 82, 177-187.	1.9	5
53	Improvements to GPS Airborne Radio Occultation in the Lower Troposphere Through Implementation of the Phase Matching Method. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10,266.	3.3	5
54	Sensitivity of airborne radio occultation to tropospheric properties over ocean and land. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 763-780.	3.1	5

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55	Augmenting Onshore GNSS Displacements With Offshore Observations to Improve Slip Characterization for Cascadia Subduction Zone Earthquakes. <i>Geophysical Research Letters</i> , 2018, 45, 6008-6017.	4.0	5
56	Atmospheric River Reconnaissance 2021: A Review. <i>Weather and Forecasting</i> , 2022, , .	1.4	5
57	Recent experiments in Ocean remote sensing with bistatic radar using Navigation Satellite Signals. , 2009, , .		2
58	Open-loop tracking of rising and setting GNSS radio-occultation signals from an Airborne Platform: Signal model and statistical analysis. , 2013, , .		2
59	Topographicâ€Thermal Circulations and GPS-Measured Moisture Variability around Mayaguez, Puerto Rico. <i>Earth Interactions</i> , 2015, 19, 1-16.	1.5	2
60	Robust Closed-loop Tracking of Airborne Low-Elevation GPS Radio-Occultation Signals. , 0, , .		2
61	Improvement of stratospheric balloon GPS positioning and the impact on gravity wave parameter estimation for the Concordiasi campaign in Antarctica. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9977-9997.	3.3	1
62	An Integrated Framework for Seismic Risk Assessment of Reinforced Concrete Buildings Based on Structural Health Monitoring. , 2019, , .		1
63	Study of MODIS retrieved total precipitable water data and their impact on weather simulations. , 2006, , .		0
64	Reply to comment by M. HernÃ¡ndezâ€Pajares et al. on â€œA method for detecting ionospheric disturbances and estimating their propagation speed and direction using a large GPS networkâ€•. <i>Radio Science</i> , 2008, 43, .	1.6	0
65	Hybrid Carrier Tracking and Position Determination using the Low Elevation Satellite Signals. , 0, , .		0
66	Atmospheric River Reconnaissance Workshop Promotes Research and Operations Partnership. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E810-E816.	3.3	0