# Cathleen E Jones

List of Publications by Year
in descending order



| 27 | 1,021 | 516710 16 | 610901 24 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 34 | 34 | 34 | 958 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Polarimetric Analysis of Backscatter From the Deepwater Horizon Oil Spill Using L-Band Synthetic Aperture Radar. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3812-3830. | 6.3 | 198 |
| 2 | UAVSAR Polarimetric Calibration. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3481-3491. | 6.3 | 109 |
| 3 | Anthropogenic and geologic influences on subsidence in the vicinity of New Orleans, Louisiana. Journal of Geophysical Research: Solid Earth, 2016, 121, 3867-3887. | 3.4 | 81 |
| 4 | Measurement and modeling of oil slick transport. Journal of Geophysical Research: Oceans, 2016, 121, 7759-7775. | 2.6 | 75 |
| 5 | Classification of oil spill by thicknesses using multiple remote sensors. Remote Sensing of Environment, 2020, 236, 111421. | 11.0 | 71 |
| 6 | The effect of vertical mixing on the horizontal drift of oil spills. Ocean Science, 2018, 14, 1581-1601. | 3.4 | 59 |
| 7 | Analysis of Evolving Oil Spills in Full-Polarimetric and Hybrid-Polarity SAR. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4190-4210. | 6.3 | 54 |
| 8 | SAR Imagery for Detecting Sea Surface Slicks: Performance Assessment of Polarization-Dependent Parameters. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4237-4257. | 6.3 | 46 |
| 9 | A Multisensor Comparison of Experimental Oil Spills in Polarimetric SAR for High Wind Conditions. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4948-4961. | 4.9 | 44 |
| 10 | First deformation results using the NASA/JPL UAVSAR instrument. , 2009, , . | | 36 |
| 11 | Multi-frequency and polarimetric quantitative analysis of the Gulf of Mexico oil spill event comparing different SAR systems. Remote Sensing of Environment, 2016, 183, 26-42. | 11.0 | 33 |
| 12 | Effect of wind direction and incidence angle on polarimetric SAR observations of slicked and unslicked sea surfaces. Remote Sensing of Environment, 2018, 213, 73-91. | 11.0 | 30 |
| 13 | Experimental L-Band Airborne SAR for Oil Spill Response at Sea and in Coastal Waters. Sensors, 2018, 18, 641. | 3.8 | 28 |
| 14 | Oil-Spill-Response-Oriented Information Products Derived From a Rapid-Repeat Time Series of SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3448-3461. | 4.9 | 23 |
| 15 | Cross-Correlation Between Polarization Channels in SAR Imagery Over Oceanographic Features. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 997-1001. | 3.1 | 20 |
| 16 | Exploiting UAVSAR for a comprehensive analysis of subsidence in the Sacramento Delta. Remote Sensing of Environment, 2019, 220, 124-134. | 11.0 | 20 |
| 17 | The Impact of System Noise in Polarimetric SAR Imagery on Oil Spill Observations. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4194-4214. | 6.3 | 20 |
| 18 | Deep Learning for Mineral and Biogenic Oil Slick Classification With Airborne Synthetic Aperture Radar Data. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8455-8469. | 6.3 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Monitoring of subsidence with UAVSAR on Sherman Island in California's Sacramentoâ€“San Joaquin Delta. Remote Sensing of Environment, 2016, 181, 218-236. | 11.0 | 12 |
| 20 | Adaptive Multilooking of Multitemporal Differential SAR Interferometric Data Stack Using Directional Statistics. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6706-6721. | 6.3 | 10 |
| 21 | Integrating Connectivity Into Hydrodynamic Models: An Automated Openâ€Source Method to Refine an Unstructured Mesh Using Remote Sensing. Journal of Advances in Modeling Earth Systems, 2022, 14, . | 3.8 | 9 |
| 22 | InSAR Phase Unwrapping Error Correction for Rapid Repeat Measurements of Water Level Change in Wetlands. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15. | 6.3 | 8 |
| 23 | Value of InSAR for Monitoring Land Subsidence to Support Water Management in the San Joaquin Valley, California. Journal of the American Water Resources Association, 2022, 58, 995-1001. | 2.4 | 8 |
| 24 | Factors and Processes Affecting Levee System Vulnerability. San Francisco Estuary and Watershed Science, 2016, 14, . | 0.4 | 7 |
| 25 | Coherent Microwave Scattering Model of Marsh Grass. Radio Science, 2017, 52, 1578-1595. | 1.6 | 2 |
| 26 | Measuring Subsidence in California and Its Impact on Water Conveyance Infrastructure. Springer Remote Sensing/photogrammetry, 2021, , 211-226. | 0.4 | 0 |
| 27 | Thank You to Our 2021 Reviewers. Earth and Space Science, 2022, 9, . | 2.6 | 0 |