# Joel R Norris

## List of Publications by Citations



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|---|---|---|---|
| 76 papers | 3,832 citations | 37 h-index | 61 g-index |
| 79 ext. papers | 4,251 ext. citations | 6.6 avg, IF | 5.9 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 76 | Observational and model evidence for positive low-level cloud feedback. *Science*, **2009**, 325, 460-4 | 33.3 | 285 |
| 75 | Trends in aerosol radiative effects over Europe inferred from observed cloud cover, solar dimming, and solar brightening. *Journal of Geophysical Research*, **2007**, 112, | | 201 |
| 74 | Recent Northern Hemisphere tropical expansion primarily driven by black carbon and tropospheric ozone. *Nature*, **2012**, 485, 350-4 | 50.4 | 185 |
| 73 | Evidence for climate change in the satellite cloud record. *Nature*, **2016**, 536, 72-5 | 50.4 | 180 |
| 72 | interannual Variability in Stratiform Cloudiness and Sea Surface Temperature. *Journal of Climate*, **1994**, 7, 1915-1925 | 4.4 | 143 |
| 71 | Low Cloud Type over the Ocean from Surface Observations. Part II: Geographical and Seasonal Variations. *Journal of Climate*, **1998**, 11, 383-403 | 4.4 | 141 |
| 70 | On the Relationships among Low-Cloud Structure, Sea Surface Temperature, and Atmospheric Circulation in the Summertime Northeast Pacific. *Journal of Climate*, **1995**, 8, 1140-1155 | 4.4 | 138 |
| 69 | Trends in aerosol radiative effects over China and Japan inferred from observed cloud cover, solar dimming, and solar brightening. *Journal of Geophysical Research*, **2009**, 114, | | 116 |
| 68 | Influence of anthropogenic aerosols and the Pacific Decadal Oscillation on tropical belt width. *Nature Geoscience*, **2014**, 7, 270-274 | 18.3 | 111 |
| 67 | Observational Evidence That Enhanced Subsidence Reduces Subtropical Marine Boundary Layer Cloudiness. *Journal of Climate*, **2013**, 26, 7507-7524 | 4.4 | 110 |
| 66 | Advances in Understanding Top-of-Atmosphere Radiation Variability from Satellite Observations. *Surveys in Geophysics*, **2012**, 33, 359-385 | 7.6 | 100 |
| 65 | Low Cloud Type over the Ocean from Surface Observations. Part I: Relationship to Surface Meteorology and the Vertical Distribution of Temperature and Moisture. *Journal of Climate*, **1998**, 11, 369-382 | 4.4 | 98 |
| 64 | Role of Low Clouds in Summertime Atmosphere–Ocean Interactions over the North Pacific. *Journal of Climate*, **1998**, 11, 2482-2490 | 4.4 | 84 |
| 63 | Meteorological bias in satellite estimates of aerosol-cloud relationships. *Geophysical Research Letters*, **2007**, 34, | 4.9 | 81 |
| 62 | Improved Techniques for Evaluating GCM Cloudiness Applied to the NCAR CCM3. *Journal of Climate* , **2001**, 14, 2540-2550 | 4.4 | 80 |
| 61 | Positive Low Cloud and Dust Feedbacks Amplify Tropical North Atlantic Multidecadal Oscillation. *Geophysical Research Letters*, **2016**, 43, 1349-1356 | 4.9 | 74 |
| 60 | North Pacific Cloud Feedbacks Inferred from Synoptic-Scale Dynamic and Thermodynamic Relationships. *Journal of Climate*, **2005**, 18, 4862-4878 | 4.4 | 72 |

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| 59 | Low-Cloud Feedbacks from Cloud-Controlling Factors: A Review. *Surveys in Geophysics*, **2017**, 38, 1307-1329 | 7.9 | 71 |
| 58 | Eddy–Wind Interaction in the California Current System: Dynamics and Impacts. *Journal of Physical Oceanography*, **2016**, 46, 439-459 | 2.4 | 68 |
| 57 | On the Relationships between Subtropical Clouds and Meteorology in Observations and CMIP3 and CMIP5 Models*. *Journal of Climate*, **2015**, 28, 2945-2967 | 4.4 | 63 |
| 56 | On Trends and Possible Artifacts in Global Ocean Cloud Cover between 1952 and 1995. *Journal of Climate*, **1999**, 12, 1864-1870 | 4.4 | 63 |
| 55 | Reducing the uncertainty in subtropical cloud feedback. *Geophysical Research Letters*, **2016**, 43, 2144-2148 | 4.9 | 63 |
| 54 | Evaluation of multidecadal variability in CMIP5 surface solar radiation and inferred underestimation of aerosol direct effects over Europe, China, Japan, and India. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 6311-6336 | 4.4 | 61 |
| 53 | Empirical Removal of Artifacts from the ISCCP and PATMOS-x Satellite Cloud Records. *Journal of Atmospheric and Oceanic Technology*, **2015**, 32, 691-702 | 2 | 60 |
| 52 | Seasonality of Large-Scale Atmosphere–Ocean Interaction over the North Pacific. *Journal of Climate*, **1998**, 11, 2473-2481 | 4.4 | 60 |
| 51 | How do aerosol histories affect solar "dimming" and "brightening" over Europe?: IPCC-AR4 models versus observations. *Journal of Geophysical Research*, **2009**, 114, | | 58 |
| 50 | A spurious jump in the satellite record: has Antarctic sea ice expansion been overestimated?. *Cryosphere*, **2014**, 8, 1289-1296 | 5.5 | 56 |
| 49 | Low Cloud Type over the Ocean from Surface Observations. Part III: Relationship to Vertical Motion and the Regional Surface Synoptic Environment. *Journal of Climate*, **2000**, 13, 245-256 | 4.4 | 53 |
| 48 | What Can Cloud Observations Tell Us About Climate Variability?. *Space Science Reviews*, **2000**, 94, 375-380 | 7.5 | 53 |
| 47 | Assessing the Impact of Meteorological History on Subtropical Cloud Fraction. *Journal of Climate*, **2010**, 23, 2926-2940 | 4.4 | 51 |
| 46 | Multidecadal changes in near-global cloud cover and estimated cloud cover radiative forcing. *Journal of Geophysical Research*, **2005**, 110, | | 51 |
| 45 | Cluster analysis of cloud regimes and characteristic dynamics of midlatitude synoptic systems in observations and a model. *Journal of Geophysical Research*, **2005**, 110, | | 50 |
| 44 | Interannual and Interdecadal Variability in the Storm Track, Cloudiness, and Sea Surface Temperature over the Summertime North Pacific. *Journal of Climate*, **2000**, 13, 422-430 | 4.4 | 49 |
| 43 | Extratropical Atmosphere–Ocean Variability in CCSM3. *Journal of Climate*, **2006**, 19, 2496-2525 | 4.4 | 48 |
| 42 | Potential Feedbacks Between Pacific Ocean Ecosystems and Interdecadal Climate Variations. *Bulletin of the American Meteorological Society*, **2003**, 84, 617-634 | 6.1 | 45 |

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| 41 | Changes in Earth's Energy Budget during and after the "Pause" in Global Warming: An Observational Perspective. *Climate*, **2018**, 6, 62 | 3.1 | 41 |
| 40 | Meteorological Drivers and Large-Scale Climate Forcing of West Antarctic Surface Melt. *Journal of Climate*, **2019**, 32, 665-684 | 4.4 | 37 |
| 39 | Trends in upper-level cloud cover and surface divergence over the tropical Indo-Pacific Ocean between 1952 and 1997. *Journal of Geophysical Research*, **2005**, 110, | | 36 |
| 38 | How Has Subtropical Stratocumulus and Associated Meteorology Changed since the 1980s?*. *Journal of Climate*, **2015**, 28, 8396-8410 | 4.4 | 35 |
| 37 | Has northern Indian Ocean Cloud cover changed due to increasing anthropogenic aerosol?. *Geophysical Research Letters*, **2001**, 28, 3271-3274 | 4.9 | 34 |
| 36 | Fewer clouds in the Mediterranean: consistency of observations and climate simulations. *Scientific Reports*, **2017**, 7, 41475 | 4.9 | 33 |
| 35 | Do climate models reproduce observed solar dimming and brightening over China and Japan?. *Journal of Geophysical Research*, **2010**, 115, | | 33 |
| 34 | The equilibrium response to idealized thermal forcings in a comprehensive GCM: implications for recent tropical expansion. *Atmospheric Chemistry and Physics*, **2012**, 12, 4795-4816 | 6.8 | 30 |
| 33 | Is there evidence for an aerosol indirect effect during the recent aerosol optical depth decline in Europe?. *Journal of Geophysical Research*, **2010**, 115, | | 27 |
| 32 | An examination of the differences between surface and free-air temperature trend at high-elevation sites: Relationships with cloud cover, snow cover, and wind. *Journal of Geophysical Research*, **2005**, 110, | | 26 |
| 31 | Low-Level Cloud Response to the Gulf Stream Front in Winter Using CALIPSO*. *Journal of Climate*, **2014**, 27, 4421-4432 | 4.4 | 24 |
| 30 | Observational constraints on low cloud feedback reduce uncertainty of climate sensitivity. *Nature Climate Change*, **2021**, 11, 501-507 | 21.4 | 23 |
| 29 | Observational and Model Estimates of Cloud Amount Feedback over the Indian and Pacific Oceans. *Journal of Climate*, **2014**, 27, 925-940 | 4.4 | 22 |
| 28 | Cluster analysis of midlatitude oceanic cloud regimes: mean properties and temperature sensitivity. *Atmospheric Chemistry and Physics*, **2010**, 10, 6435-6459 | 6.8 | 21 |
| 27 | Low-Level Cloud Variability over the Equatorial Cold Tongue in Observations and Models. *Journal of Climate*, **2007**, 20, 1555-1570 | 4.4 | 19 |
| 26 | Continental liquid water cloud variability and its parameterization using Atmospheric Radiation Measurement data. *Journal of Geophysical Research*, **2005**, 110, | | 17 |
| 25 | Observed Sensitivity of Low-Cloud Radiative Effects to Meteorological Perturbations over the Global Oceans. *Journal of Climate*, **2020**, 33, 7717-7734 | 4.4 | 17 |
| 24 | Cloud cover climatologies in the Mediterranean obtained from satellites, surface observations, reanalyses, and CMIP5 simulations: validation and future scenarios. *Climate Dynamics*, **2016**, 47, 249-269 | 4.2 | 13 |

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| 23 | Factors Controlling Stratocumulus Cloud Lifetime over Coastal Land. *Journals of the Atmospheric Sciences*, **2016**, 73, 2961-2983 | 2.1 | 12 |
| 22 | Reconciling and Validating the Cloud Thickness and Liquid Water Path Tendencies Proposed by R. Wood and J. J. van der Dussen et al.. *Journals of the Atmospheric Sciences*, **2015**, 72, 2033-2040 | 2.1 | 10 |
| 21 | Global Dimming and Brightening: International Workshop of the Israel Science Foundation on Global Dimming and Brightening; Ein Gedi, Israel, 10–14 February 2008. *Eos*, **2008**, 89, 212-212 | 1.5 | 10 |
| 20 | Observational Evidence that Radiative Heating Modifies the Life Cycle of Tropical Anvil Clouds. *Journal of Climate*, **2020**, 33, 8621-8640 | 4.4 | 10 |
| 19 | An analysis of high cloud variability: imprints from the El Niño–Southern Oscillation. *Climate Dynamics*, **2017**, 48, 447-457 | 4.2 | 9 |
| 18 | GPM Satellite Radar Observations of Precipitation Mechanisms in Atmospheric Rivers. *Monthly Weather Review*, **2020**, 148, 1449-1463 | 2.4 | 8 |
| 17 | A Case Study of the Physical Processes Associated with the Atmospheric River Initial-Condition Sensitivity from an Adjoint Model. *Journals of the Atmospheric Sciences*, **2020**, 77, 691-709 | 2.1 | 8 |
| 16 | Dropsonde Observations of the Ageostrophy within the Pre-Cold-Frontal Low-Level Jet Associated with Atmospheric Rivers. *Monthly Weather Review*, **2020**, 148, 1389-1406 | 2.4 | 7 |
| 15 | Low-Cloud Feedbacks from Cloud-Controlling Factors: A Review. *Space Sciences Series of ISSI*, **2017**, 135-157 | 6.1 | 7 |
| 14 | Observed Variations of the Atmospheric Boundary Layer and Stratocumulus over a Warm Eddy in the Kuroshio Extension. *Monthly Weather Review*, **2019**, 147, 1581-1591 | 2.4 | 6 |
| 13 | On global changes in effective cloud height. *Geophysical Research Letters*, **2012**, 39, n/a-n/a | 4.9 | 6 |
| 12 | Is the Net Cloud Radiative Effect Constrained to be Uniform Over the Tropical Warm Pools?. *Geophysical Research Letters*, **2019**, 46, 12495-12503 | 4.9 | 5 |
| 11 | Dynamical controls on sub‐global climate model grid-scale cloud variability for Atmospheric Radiation Measurement Program (ARM) case 4. *Journal of Geophysical Research*, **2005**, 110, | | 4 |
| 10 | Observed monsoon precipitation suppression caused by anomalous interhemispheric aerosol transport. *Climate Dynamics*, **2020**, 54, 1077-1091 | 4.2 | 4 |
| 9 | Response to Comment on "Observational and Model Evidence for Positive Low-Level Cloud Feedback". *Science*, **2010**, 329, 277-277 | 33.3 | 3 |
| 8 | The Observed Water Vapor Budget in an Atmospheric River over the Northeast Pacific. *Journal of Hydrometeorology*, **2020**, 21, 2655-2673 | 3.7 | 3 |
| 7 | Comments on "Trends in Global Marine Cloudiness and Anthropogenic Sulfur". *Journal of Climate*, **1995**, 8, 2109-2110 | 4.4 | 2 |
| 6 | Temporal and Spatial Variability of Clouds and Related Aerosols **2009**, 127-148 | | 2 |

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| 5 | Advances in Understanding Top-of-Atmosphere Radiation Variability from Satellite Observations. *Space Sciences Series of ISSI*, **2012**, 27-53 | 0.1 | 2 |
| 4 | Impacts of aerosols produced by biomass burning on the stratocumulus-to-cumulus transition in the equatorial Atlantic. *Atmospheric Science Letters*, **2021**, 22, e1025 | 2.4 | 2 |
| 3 | What can Cloud Observations Tell us about Climate Variability?. *Space Sciences Series of ISSI*, **2000**, 375-380 | 0.1 | 1 |
| 2 | Observational Constraints on Southern Ocean Cloud-Phase Feedback. *Journal of Climate*, **2022**, 1-44 | 4.4 | 1 |
| 1 | Coastal Stratocumulus Dissipation Dependence on Initial Conditions and Boundary Forcings in a Mixed-Layer Model. *Journals of the Atmospheric Sciences*, **2020**, 77, 2717-2741 | 2.1 | 0 |