# Jesse M Nusbaumer

List of Publications by Year
in descending order



| 32 | 1,098 | 393982 | 414034 |
|---|---|---|---|
| papers | citations | 19 h-index | 32 g-index |

| 32 | 32 | 32 | 1448 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Tracking Shallow Convective Mixing and Its Influence on Lowâ€Level Clouds With Stable Water Isotopes in Vapor. Journal of Geophysical Research D: Atmospheres, 2022, 127, . | 1.2 | 5 |
| 2 | Constraining Clouds and Convective Parameterizations in a Climate Model Using Paleoclimate Data. Journal of Advances in Modeling Earth Systems, 2022, 14, . | 1.3 | 5 |
| 3 | Hydroclimate footprint of pan-Asian monsoon water isotope during the last deglaciation. Science Advances, 2021, 7, . | 4.7 | 66 |
| 4 | Enhancing Understanding of the Hydrological Cycle via Pairing of Processâ€Oriented and Isotope Ratio Tracers. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002648. | 1.3 | 7 |
| 5 | The Role of Isotopeâ€Enabled GCM Complexity in Simulating Tropical Circulation Changes in Highâ€CO<sub>2</sub> Scenarios. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002163. | 1.3 | 1 |
| 6 | Lipid Biomarker Record Documents Hydroclimatic Variability of the Mississippi River Basin During the Common Era. Geophysical Research Letters, 2020, 47, e2020GL087237. | 1.5 | 6 |
| 7 | Influence of sea-ice anomalies on Antarctic precipitation using source attribution in the Community Earth System Model. Cryosphere, 2020, 14, 429-444. | 1.5 | 16 |
| 8 | Volcanic Eruption Signatures in the Isotopeâ€Enabled Last Millennium Ensemble. Paleoceanography and Paleoclimatology, 2019, 34, 1534-1552. | 1.3 | 24 |
| 9 | The Connected Isotopic Water Cycle in the Community Earth System Model Version 1. Journal of Advances in Modeling Earth Systems, 2019, 11, 2547-2566. | 1.3 | 111 |
| 10 | Evaluating a Moist Isentropic Framework for Poleward Moisture Transport: Implications for Water Isotopes Over Antarctica. Geophysical Research Letters, 2019, 46, 7819-7827. | 1.5 | 15 |
| 11 | Nonequilibrium Fractionation During Ice Cloud Formation in iCAM5: Evaluating the Common Parameterization of Supersaturation as a Linear Function of Temperature. Journal of Advances in Modeling Earth Systems, 2019, 11, 3777-3793. | 1.3 | 15 |
| 12 | Spatial Shift of Greenland Moisture Sources Related toÂEnhanced Arctic Warming. Geophysical Research Letters, 2019, 46, 14723-14731. | 1.5 | 23 |
| 13 | Deciphering Oxygen Isotope Records From Chinese Speleothems With an Isotopeâ€Enabled Climate Model. Paleoceanography and Paleoclimatology, 2019, 34, 2098-2112. | 1.3 | 66 |
| 14 | Twentieth Century Seawater Î´<sup>18</sup>O Dynamics and Implications for Coralâ€Based Climate Reconstruction. Paleoceanography and Paleoclimatology, 2018, 33, 606-625. | 1.3 | 17 |
| 15 | Impact of Convective Activity on Precipitation Î´<sup>18</sup>O in Isotopeâ€Enabled General Circulation Models. Journal of Geophysical Research D: Atmospheres, 2018, 123, 13,595. | 1.2 | 22 |
| 16 | Interpreting Precessionâ€Driven Î´<sup>18</sup>O Variability in the South Asian Monsoon Region. Journal of Geophysical Research D: Atmospheres, 2018, 123, 5927-5946. | 1.2 | 49 |
| 17 | Numerical Evaluation of the Modern and Future Origins of Atmospheric River Moisture Over the West Coast of the United States. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6423-6442. | 1.2 | 32 |
| 18 | Tracking the Strength of the Walker Circulation With Stable Isotopes in Water Vapor. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7254-7270. | 1.2 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Reduced ENSO variability at the LGM revealed by an isotopeâ€enabled Earth system model. Geophysical Research Letters, 2017, 44, 6984-6992. | 1.5 | 71 |
| 20 | Detecting shifts in tropical moisture imbalances with satelliteâ€derived isotope ratios in water vapor. Journal of Geophysical Research D: Atmospheres, 2017, 122, 5763-5779. | 1.2 | 19 |
| 21 | Congo Basin precipitation: Assessing seasonality, regional interactions, and sources of moisture. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6882-6898. | 1.2 | 95 |
| 22 | Investigating the Direct Meltwater Effect in Terrestrial Oxygenâ€isotope Paleoclimate Records Using an Isotopeâ€Enabled Earth System Model. Geophysical Research Letters, 2017, 44, 12,501. | 1.5 | 10 |
| 23 | Evaluating hydrological processes in the <scp>C</scp>ommunity <scp>A</scp>tmosphere <scp>M</scp>odel <scp>V</scp>ersion 5 (<scp>C</scp>AM5) using stable isotope ratios of water. Journal of Advances in Modeling Earth Systems, 2017, 9, 949-977. | 1.3 | 93 |
| 24 | Evaluation of modeled landâ€atmosphere exchanges with a comprehensive water isotope fractionation scheme in version 4 of the <scp>C</scp>ommunity <scp>L</scp>and <scp>M</scp>odel. Journal of Advances in Modeling Earth Systems, 2017, 9, 978-1001. | 1.3 | 92 |
| 25 | A mathematical framework for analysis of water tracers: Part 1: Development of theory and application to the preindustrial mean state. Journal of Advances in Modeling Earth Systems, 2016, 8, 991-1013. | 1.3 | 27 |
| 26 | A Mathematical Framework for Analysis of Water Tracers. Part II: Understanding Large-Scale Perturbations in the Hydrological Cycle due to CO2 Doubling. Journal of Climate, 2016, 29, 6765-6782. | 1.2 | 20 |
| 27 | Greater aerial moisture transport distances with warming amplify interbasin salinity contrasts. Geophysical Research Letters, 2016, 43, 8677-8684. | 1.5 | 17 |
| 28 | Characterizing seawater oxygen isotopic variability in a regional ocean modeling framework: Implications for coral proxy records. Paleoceanography, 2015, 30, 1573-1593. | 3.0 | 23 |
| 29 | Precipitation efficiency derived from isotope ratios in water vapor distinguishes dynamical and microphysical influences on subtropical atmospheric constituents. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9119-9137. | 1.2 | 24 |
| 30 | Determining water sources in the boundary layer from tall tower profiles of water vapor and surface water isotope ratios after a snowstorm in Colorado. Atmospheric Chemistry and Physics, 2013, 13, 1607-1623. | 1.9 | 47 |
| 31 | Investigating tropical cycloneâ€climate feedbacks using the TRMM Microwave Imager and the Quick Scatterometer. Geochemistry, Geophysics, Geosystems, 2008, 9, . | 1.0 | 46 |
| 32 | Climate and carbon cycle changes under the overshoot scenario. Global and Planetary Change, 2008, 62, 164-172. | 1.6 | 14 |