

John Worden

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,032
citations

394421

19
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1898
citing authors

#	ARTICLE	IF	CITATIONS
1	Isotopic changes due to convective moistening of the lower troposphere associated with variations in the ENSO and IOD from 2005 to 2006. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 67, 26177.	1.6	12
2	Satellite Observations of the Tropical Terrestrial Carbon Balance and Interactions With the Water Cycle During the 21st Century. <i>Reviews of Geophysics</i> , 2021, 59, e2020RG000711.	23.0	13
3	Where Does Moisture Come From Over the Congo Basin?. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006024.	3.0	15
4	Earth's water reservoirs in a changing climate. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20190458.	2.1	36
5	Comparison of optimal estimation HDO ⁺ H ₂ O retrievals from AIRS with ORACLES measurements. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 1825-1834.	3.1	6
6	Importance of depth and intensity of convection on the isotopic composition of water vapor as seen from IASI and TES δ D observations. <i>Earth and Planetary Science Letters</i> , 2018, 481, 387-394.	4.4	24
7	Stable isotopes in atmospheric water vapor and applications to the hydrologic cycle. <i>Reviews of Geophysics</i> , 2016, 54, 809-865.	23.0	241
8	Impact of atmospheric convection on south Tibet summer precipitation isotopologue composition using a combination of in situ measurements, satellite data, and atmospheric general circulation modeling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 3852-3871.	3.3	66
9	Evaluating climate model performance in the tropics with retrievals of water isotopic composition from Aura TES. <i>Geophysical Research Letters</i> , 2014, 41, 6030-6036.	4.0	34
10	Upwind convective influences on the isotopic composition of atmospheric water vapor over the tropical Andes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 7051-7063.	3.3	52
11	Role of continental recycling in intraseasonal variations of continental moisture as deduced from model simulations and water vapor isotopic measurements. <i>Water Resources Research</i> , 2013, 49, 4136-4156.	4.2	96
12	A seasonality of δ D of water vapor (850-500 hPa) observed from space over Jeju Island, Korea. <i>Geosciences Journal</i> , 2013, 17, 87-95.	1.2	16
13	Characteristics of tropical and subtropical atmospheric moistening derived from Lagrangian mass balance constrained by measurements of HDO and H ₂ O. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 54-72.	3.3	15
14	Asian monsoon hydrometeorology from TES and SCIAMACHY water vapor isotope measurements and LMDZ simulations: Implications for speleothem climate record interpretation. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	87
15	Process evaluation of tropospheric humidity simulated by general circulation models using water vapor isotopologues: 1. Comparison between models and observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	114
16	Process evaluation of tropospheric humidity simulated by general circulation models using water vapor isotopic observations: 2. Using isotopic diagnostics to understand the mid and upper tropospheric moist bias in the tropics and subtropics. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	77
17	A test of the advection-condensation model for subtropical water vapor using stable isotopologue observations from Mauna Loa Observatory, Hawaii. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	24
18	Properties of air mass mixing and humidity in the subtropics from measurements of the D/H isotope ratio of water vapor at the Mauna Loa Observatory. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	85

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19	Comparison of an isotopic atmospheric general circulation model with new quasi-global satellite measurements of water vapor isotopologues. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	66
20	Understanding the Sahelian water budget through the isotopic composition of water vapor and precipitation. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	95
21	Observed vertical distribution of tropospheric ozone during the Asian summertime monsoon. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	59
22	Comparison of atmospheric hydrology over convective continental regions using water vapor isotope measurements from space. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	66
23	Importance of rain evaporation and continental convection in the tropical water cycle. <i>Nature</i> , 2007, 445, 528-532.	27.8	401
24	Tropospheric Emission Spectrometer observations of the tropospheric HDO/H ₂ O ratio: Estimation approach and characterization. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	167
25	Predicted errors of tropospheric emission spectrometer nadir retrievals from spectral window selection. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	165