Joseph Galewsky

List of Publications by Year
in descending order

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51 papers	2,351 citations	201674 27 h-index	223800 46 g-index
57 all docs	57 docs citations	57 times ranked	2789 citing authors

#	Article	IF	Citations
1	An initial-value problem for testing numerical models of the global shallow-water equations. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 56, 429.	1.7	84
2	Marine Boundary Layer Decoupling and the Stable Isotopic Composition of Water Vapor. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	5
3	EUREC⁴A. Earth System Science Data, 2021, 13, 4067-4119.	9.9	88
4	Controls on the water vapor isotopic composition near the surface of tropical oceans and role of boundary layer mixing processes. Atmospheric Chemistry and Physics, 2019, 19, 12235-12260.	4.9	14
5	Reply to â€œComment on Sensitivity of glaciation in the arid subtropical Andes to changes in temperature, precipitation, and solar radiation by â€•by. Global and Planetary Change, 2019, 172, 479-481.	3.5	0
6	Sensitivity of glaciation in the arid subtropical Andes to changes in temperature, precipitation, and solar radiation. Global and Planetary Change, 2018, 163, 86-96.	3.5	8
7	Using Stable Isotopes in Water Vapor to Diagnose Relationships Between Lowerâ€Tropospheric Stability, Mixing, and Lowâ€Cloud Cover Near the Island of Hawaii. Geophysical Research Letters, 2018, 45, 297-305.	4.0	12
8	Relationships Between Inversion Strength, Lowerâ€Tropospheric Moistening, and Lowâ€Cloud Fraction in the Subtropical Southeast Pacific Derived From Stable Isotopologues of Water Vapor. Geophysical Research Letters, 2018, 45, 7701-7710.	4.0	5
9	Atmospheric Flow Patterns Around the Southern Alps of New Zealand and Implications for Paleoaltimetry. Geophysical Research Letters, 2017, 44, 11,601-11,605.	4.0	4
10	Late Cenozoic surface uplift of the southern Sierra Nevada (California, USA): A paleoclimate perspective on lee-side stable isotope paleoaltimetry. Geology, 2016, 44, 451-454.	4.4	10
11	Stable isotopes in atmospheric water vapor and applications to the hydrologic cycle. Reviews of Geophysics, 2016, 54, 809-865.	23.0	241
12	Dynamical downscaling of tropical cyclones from CCSM4 simulations of the Last Glacial Maximum. Journal of Advances in Modeling Earth Systems, 2016, 8, 1229-1247.	3.8	16
13	A Stochastic Model for Diagnosing Subtropical Humidity Dynamics with Stable Isotopologues of Water Vapor. Journals of the Atmospheric Sciences, 2016, 73, 1741-1753.	1.7	11
14	Late-glacial to late-Holocene shifts in global precipitation Î´¹⁸O. Climate of the Past, 2015, 11, 1375-1393.	3.4	57
15	Summertime Moisture Transport to the Southern South American Altiplano: Constraints from In Situ Measurements of Water Vapor Isotopic Composition. Journal of Climate, 2015, 28, 2635-2649.	3.2	24
16	Constraining Supersaturation and Transport Processes in a South American Cold-Air Outbreak Using Stable Isotopologues of Water Vapor. Journals of the Atmospheric Sciences, 2015, 72, 2055-2069.	1.7	10
17	Late Pleistocene glaciations of the arid subtropical Andes and new results from the Chajnantor Plateau, northern Chile. Quaternary Science Reviews, 2015, 128, 98-116.	3.0	24
18	Exploring landscape sensitivity to the Pacific Trade Wind Inversion on the subsiding island of Hawaii. Journal of Geophysical Research F: Earth Surface, 2014, 119, 2048-2069.	2.8	7

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19	Water vapor isotopic composition of a stratospheric air intrusion: Measurements from the Chajnantor Plateau, Chile. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9679-9691.	3.3	16
20	Deuterium excess in subtropical free troposphere water vapor: Continuous measurements from the Chajnantor Plateau, northern Chile. Geophysical Research Letters, 2014, 41, 8652-8659.	4.0	35
21	Upwind convective influences on the isotopic composition of atmospheric water vapor over the tropical Andes. Journal of Geophysical Research D: Atmospheres, 2014, 119, 7051-7063.	3.3	52
22	Refining paleoaltimetry reconstructions of the Sierra Nevada, California, using air parcel trajectories. Geology, 2013, 41, 259-262.	4.4	32
23	Tropical Cyclone Genesis Factors in Simulations of the Last Glacial Maximum. Journal of Climate, 2012, 25, 4348-4365.	3.2	55
24	Variations in Tropical Cyclone Genesis Factors in Simulations of the Holocene Epoch. Journal of Climate, 2012, 25, 8196-8211.	3.2	51
25	A test of the advectionâ€condensation model for subtropical water vapor using stable isotopologue observations from Mauna Loa Observatory, Hawaii. Journal of Geophysical Research, 2012, 117, .	3.3	24
26	Surface measurements of upper tropospheric water vapor isotopic composition on the Chajnantor Plateau, Chile. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	38
27	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. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	85
28	Estimate of bias in Aura TES HDO/H₂O profiles from comparison of TES and in situ HDO/H₂O measurements at the Mauna Loa observatory. Atmospheric Chemistry and Physics, 2011, 11, 4491-4503.	4.9	59
29	Hydrogen isotope correction for laser instrument measurement bias at low water vapor concentration using conventional isotope analyses: application to measurements from Mauna Loa Observatory, Hawaii. Rapid Communications in Mass Spectrometry, 2011, 25, 608-616.	1.5	54
30	Diagnosis of Zonal Mean Relative Humidity Changes in a Warmer Climate. Journal of Climate, 2010, 23, 4556-4569.	3.2	46
31	A Last Saturation Analysis of ENSO Humidity Variability in the Subtropical Pacific. Journal of Climate, 2010, 23, 918-931.	3.2	14
32	A lastâ€saturation diagnosis of subtropical water vapor response to global warming. Geophysical Research Letters, 2010, 37, .	4.0	19
33	An advectionâ€condensation model for subtropical water vapor isotopic ratios. Journal of Geophysical Research, 2010, 115, .	3.3	65
34	Orographic precipitation isotopic ratios in stratified atmospheric flows: Implications for paleoelevation studies. Geology, 2009, 37, 791-794.	4.4	46
35	Demonstration of highâ€precision continuous measurements of water vapor isotopologues in laboratory and remote field deployments using wavelengthâ€scanned cavity ringâ€down spectroscopy (WSâ€CRDS) technology. Rapid Communications in Mass Spectrometry, 2009, 23, 2534-2542.	1.5	273
36	Rain shadow development during the growth of mountain ranges: An atmospheric dynamics perspective. Journal of Geophysical Research, 2009, 114, .	3.3	41

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37	Orographic Clouds in Terrain-Blocked Flows: An Idealized Modeling Study. Journals of the Atmospheric Sciences, 2008, 65, 3460-3478.	1.7	27
38	Measurements of water vapor D/H ratios from Mauna Kea, Hawaii, and implications for subtropical humidity dynamics. Geophysical Research Letters, 2007, 34, .	4.0	49
39	Tropical cyclone triggering of sediment discharge in Taiwan. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	41
40	Diagnosis of Subtropical Humidity Dynamics Using Tracers of Last Saturation. Journals of the Atmospheric Sciences, 2005, 62, 3353-3367.	1.7	97
41	Moist Dynamics and Orographic Precipitation in Northern and Central California during the New Yearâ€™s Flood of 1997. Monthly Weather Review, 2005, 133, 1594-1612.	1.4	52
42	An initial-value problem for testing numerical models of the global shallow-water equations. Tellus, Series A: Dynamic Meteorology and Oceanography, 2004, 56, 429-440.	1.7	88
43	The post-Variscan thermal and denudational history of Ireland. Geological Society Special Publication, 2002, 196, 371-399.	1.3	16
44	Flexural-eustatic numerical model for drowning of the Eocene perialpine carbonate ramp and implications for Alpine geodynamics. Bulletin of the Geological Society of America, 2001, 113, 1052-1066.	3.3	49
45	The dynamics of foreland basin carbonate platforms: tectonic and eustatic controls. Basin Research, 1998, 10, 409-416.	2.7	23
46	Convergent margin extension associated with arc-continent collision: The Finsch Deep, Papua New Guinea. Tectonics, 1997, 16, 77-87.	2.8	9
47	Tectonic controls on facies transitions in an oblique collision: The western Solomon Sea, Papua New Guinea. Bulletin of the Geological Society of America, 1997, 109, 1266-1278.	3.3	24
48	Measurement of tectonic surface uplift rate in a young collisional mountain belt. Nature, 1997, 385, 501-507.	27.8	100
49	Foredeep tectonics and carbonate platform dynamics in the Huon Gulf, Papua New Guinea. Geology, 1996, 24, 819.	4.4	51
50	Variation in structure, style, and driving mechanism of adjoining segments of the North Panama deformed belt. Special Paper of the Geological Society of America, 1995, , 225-234.	0.5	16
51	Structural evolution of a modern arc-continent collision in Papua New Guinea. Tectonics, 1994, 13, 1007-1034.	2.8	69