

Leopold Haimberger

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2576392/publications.pdf>

Version: 2024-02-01

47
papers

12,636
citations

236612

25
h-index

214527

47
g-index

59
all docs

59
docs citations

59
times ranked

11386
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic evaluation of river discharge into the Arctic Ocean and its impact on oceanic volume transports. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 279-304.	1.9	8
2	Comparison of Surface Energy Fluxes from Global to Local Scale. <i>Journal of Climate</i> , 2022, 35, 4551-4569.	1.2	9
3	Assessing potential of sparse input reanalyses for centennial-scale land surface air temperature homogenisation. <i>International Journal of Climatology</i> , 2021, 41, E3000.	1.5	4
4	Site-scale modeling of surface ozone in Northern Bavaria using machine learning algorithms, regional dynamic models, and a hybrid model. <i>Environmental Pollution</i> , 2021, 268, 115736.	3.7	8
5	Consistency and Homogeneity of Atmospheric Energy, Moisture, and Mass Budgets in ERA5. <i>Journal of Climate</i> , 2021, 34, 3955-3974.	1.2	21
6	Intercomparisons, error assessments, and technical information on historical upper-air measurements. <i>Earth System Science Data</i> , 2021, 13, 2471-2485.	3.7	1
7	Global Climate. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, S11-S142.	1.7	36
8	The ERA5 global reanalysis: Preliminary extension to 1950. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 4186-4227.	1.0	189
9	Continuous rise of the tropopause in the Northern Hemisphere over 1980–2020. <i>Science Advances</i> , 2021, 7, eabi8065.	4.7	26
10	The vertical profile of recent tropical temperature trends: Persistent model biases in the context of internal variability. <i>Environmental Research Letters</i> , 2020, 15, 1040b4.	2.2	25
11	The ERA5 global reanalysis. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 1999-2049.	1.0	10,272
12	Global Climate. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S9-S128.	1.7	61
13	Heat stored in the Earth system: where does the energy go?. <i>Earth System Science Data</i> , 2020, 12, 2013-2041.	3.7	181
14	Flex_extract v7.1.2 – a software package to retrieve and prepare ECMWF data for use in FLEXPART. <i>Geoscientific Model Development</i> , 2020, 13, 5277-5310.	1.3	14
15	Special Issue on Development and Application of Seamless Prediction Systems. <i>Meteorologische Zeitschrift</i> , 2020, 29, 179-181.	0.5	1
16	An Improved Estimate of the Coupled Arctic Energy Budget. <i>Journal of Climate</i> , 2019, 32, 7915-7934.	1.2	50
17	Long-Term Trends in Marine Boundary Layer Properties over the Atlantic Ocean. <i>Journal of Climate</i> , 2019, 32, 2991-3004.	1.2	5
18	The Lagrangian particle dispersion model FLEXPART version 10.4. <i>Geoscientific Model Development</i> , 2019, 12, 4955-4997.	1.3	238

#	ARTICLE	IF	CITATIONS
19	Assessing PM2.5 concentrations in Tehran, Iran, from space using MAIAC, deep blue, and dark target AOD and machine learning algorithms. <i>Atmospheric Pollution Research</i> , 2019, 10, 889-903.	1.8	46
20	Unprecedented 2015/2016 Indo-Pacific Heat Transfer Speeds Up Tropical Pacific Heat Recharge. <i>Geophysical Research Letters</i> , 2018, 45, 3274-3284.	1.5	43
21	Radiosondes Show That After Decades of Cooling, the Lower Stratosphere Is Now Warming. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 12,509.	1.2	18
22	Prediction of aerosol optical depth in West Asia using deterministic models and machine learning algorithms. <i>Aeolian Research</i> , 2018, 35, 69-84.	1.1	20
23	CERA-20C: A Coupled Reanalysis of the Twentieth Century. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 1172-1195.	1.3	212
24	Observations for Reanalyses. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 1851-1866.	1.7	35
25	The EU-FP7 ERA-CLIM2 Project Contribution to Advancing Science and Production of Earth System Climate Reanalyses. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 1003-1014.	1.7	26
26	Sensitivity of WRF-chem predictions to dust source function specification in West Asia. <i>Aeolian Research</i> , 2017, 24, 115-131.	1.1	55
27	The potential value of early (1939-1967) upper-air data in atmospheric climate reanalysis. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 1197-1210.	1.0	19
28	Toward Consistent Diagnostics of the Coupled Atmosphere and Ocean Energy Budgets. <i>Journal of Climate</i> , 2017, 30, 9225-9246.	1.2	38
29	ENSO-driven energy budget perturbations in observations and CMIP models. <i>Climate Dynamics</i> , 2016, 47, 4009-4029.	1.7	19
30	Climatology of dust distribution over West Asia from homogenized remote sensing data. <i>Aeolian Research</i> , 2016, 21, 93-107.	1.1	62
31	New estimates of tropical mean temperature trend profiles from zonal mean historical radiosonde and pilot balloon wind shear observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 3700-3713.	1.2	3
32	Statistically downscaled projections of local scale temperature in the topographically complex terrain of Austria up to the end of the 21st century. <i>Meteorologische Zeitschrift</i> , 2015, 24, 425-440.	0.5	3
33	Estimating Snow Cover Duration from Ground Temperature. <i>Journal of Applied Meteorology and Climatology</i> , 2015, 54, 959-965.	0.6	11
34	On the Energy Exchange between Tropical Ocean Basins Related to ENSO*. <i>Journal of Climate</i> , 2014, 27, 6393-6403.	1.2	48
35	A global radiosonde and tracked balloon archive on 16 pressure levels (GRASP) back to 1905 - Part 1: Merging and interpolation to 00:00 and 12:00 GMT. <i>Earth System Science Data</i> , 2014, 6, 185-200.	3.7	16
36	A "Global Radiosonde and tracked-balloon Archive on Sixteen Pressure levels" (GRASP) going back to 1905 - Part 2: homogeneity adjustments for pilot balloon and radiosonde wind data. <i>Earth System Science Data</i> , 2014, 6, 297-316.	3.7	8

#	ARTICLE	IF	CITATIONS
37	The Response of Tropical Atmospheric Energy Budgets to ENSO*. Journal of Climate, 2013, 26, 4710-4724.	1.2	32
38	Agreement in late twentieth century Southern Hemisphere stratospheric temperature trends in observations and CCMVala€2, CMIP3, and CMIP5 models. Journal of Geophysical Research D: Atmospheres, 2013, 118, 605-613.	1.2	27
39	Homogenization of the Global Radiosonde Temperature Dataset through Combined Comparison with Reanalysis Background Series and Neighboring Stations. Journal of Climate, 2012, 25, 8108-8131.	1.2	132
40	Poleward Atmospheric Energy Transports and Their Variability as Evaluated from ECMWF Reanalysis Data. Journal of Climate, 2012, 25, 734-752.	1.2	60
41	A quantification of uncertainties in historical tropical tropospheric temperature trends from radiosondes. Journal of Geophysical Research, 2011, 116, .	3.3	48
42	A New Approach to Homogenize Daily Radiosonde Humidity Data. Journal of Climate, 2011, 24, 965-991.	1.2	118
43	Interannual changes in mass consistent energy budgets from ERAa€Interim and satellite data. Journal of Geophysical Research, 2010, 115, .	3.3	26
44	Toward Elimination of the Warm Bias in Historic Radiosonde Temperature Recordsa€Some New Results from a Comprehensive Intercomparison of Upper-Air Data. Journal of Climate, 2008, 21, 4587-4606.	1.2	141
45	On the homogeneity of radiosonde wind time series. Meteorologische Zeitschrift, 2008, 17, 631-643.	0.5	22
46	Homogenization of Radiosonde Temperature Time Series Using Innovation Statistics. Journal of Climate, 2007, 20, 1377-1403.	1.2	165
47	Snow cover duration in Switzerland compared to Austria. Meteorologische Zeitschrift, 2004, 13, 13-17.	0.5	30