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List of Publications by Year
in descending order

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66 papers	5,263 citations	218677 26 h-index	88630 70 g-index
81 all docs	81 docs citations	81 times ranked	6021 citing authors

#	Article	IF	Citations
1	Regional disparities in the exposure to heat-related mortality risk under 1.5 Â°C and 2 Â°C global warming. Environmental Research Letters, 2022, 17, 054009.	5.2	3
2	Discontinuity of Diurnal Temperature Range Along Elevated Regions. Geophysical Research Letters, 2022, 49, .	4.0	4
3	Assessment of spatiotemporal dynamics of diurnal fog occurrence in subtropical montane cloud forests. Agricultural and Forest Meteorology, 2022, 317, 108899.	4.8	3
4	Observing severe precipitation near complex topography during the Yilan Experiment of Severe Rainfall in 2020 (<scp>YESR2020</scp>). Quarterly Journal of the Royal Meteorological Society, 2022, 148, 1663-1682.	2.7	3
5	The increased frequency of combined El NiÃ±o and positive IOD events since 1965s and its impacts on maritime continent hydroclimates. Scientific Reports, 2022, 12, 7532.	3.3	13
6	Interdecadal variability of Southâ€“Southeast Asian rainfall and crossâ€equatorial flows during Aprilâ€“May. International Journal of Climatology, 2021, 41, 1066-1079.	3.5	1
7	Temporal Changes in Land Surface Coupling Strength: An Example in a Semi-Arid Region of Australia. Journal of Climate, 2021, 34, 1503-1513.	3.2	8
8	The Seasonality of Global Land and Ocean Mass and the Changing Water Cycle. Geophysical Research Letters, 2021, 48, e2020GL091248.	4.0	11
9	The role of El NiÃ±o in modulating the effects of deforestation in the Maritime Continent. Environmental Research Letters, 2021, 16, 054056.	5.2	5
10	GRACE Satellites Enable Long-Lead Forecasts of Mountain Contributions to Streamflow in the Low-Flow Season. Remote Sensing, 2021, 13, 1993.	4.0	1
11	Intense agricultural irrigation induced contrasting precipitation changes in Saudi Arabia. Environmental Research Letters, 2021, 16, 064049.	5.2	6
12	The annual cycle of terrestrial water storage anomalies in CMIP6 models evaluated against GRACE data. Journal of Climate, 2021, , 1-40.	3.2	7
13	Early Peak of Latent Heat Fluxes Regulates Diurnal Temperature Range in Montane Cloud Forests. Journal of Hydrometeorology, 2021, , .	1.9	3
14	Terrestrial Water Storage Anomalies Emphasize Interannual Variations in Global Mean Sea Level During 1997â€“1998 and 2015â€“2016 El NiÃ±o Events. Geophysical Research Letters, 2021, 48, e2021GL094104.	4.0	8
15	GMD perspective: The quest to improve the evaluation of groundwater representation in continental- to global-scale models. Geoscientific Model Development, 2021, 14, 7545-7571.	3.6	38
16	Central Taiwanâ€™s hydroclimate in response to land use/cover change. Environmental Research Letters, 2020, 15, 034015.	5.2	12
17	Divergent effects of climate change on future groundwater availability in key mid-latitude aquifers. Nature Communications, 2020, 11, 3710.	12.8	151
18	Amplified seasonal cycle in hydroclimate over the Amazon river basin and its plume region. Nature Communications, 2020, 11, 4390.	12.8	29

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19	The GLACE-Hydrology Experiment: Effects of Landâ€“Atmosphere Coupling on Soil Moisture Variability and Predictability. Journal of Climate, 2020, 33, 6511-6529.	3.2	9
20	Global climate response to idealized deforestation in CMIP6 models. Biogeosciences, 2020, 17, 5615-5638.	3.3	55
21	Observed controls on resilience of groundwater to climate variability in sub-Saharan Africa. Nature, 2019, 572, 230-234.	27.8	168
22	Thermodynamic and Dynamic Responses to Deforestation in the Maritime Continent: A Modeling Study. Journal of Climate, 2019, 32, 3505-3527.	3.2	25
23	The influence of groundwater representation on hydrological simulation and its assessment using satelliteâ€based water storage variation. Hydrological Processes, 2019, 33, 1218-1230.	2.6	14
24	The mechanisms behind changes in the seasonality of global precipitation found in reanalysis products and CMIP5 simulations. Climate Dynamics, 2019, 53, 4173-4187.	3.8	10
25	Tracking Seasonal Fluctuations in Land Water Storage Using Global Models and GRACE Satellites. Geophysical Research Letters, 2019, 46, 5254-5264.	4.0	84
26	Evaluation of Groundwater Simulations in Benin from the ALMIP2 Project. Journal of Hydrometeorology, 2019, 20, 339-354.	1.9	2
27	Using MODIS/Terra and Landsat imageries to improve surface water quantification in Sylhet, Bangladesh. Terrestrial, Atmospheric and Oceanic Sciences, 2019, 30, 111-126.	0.6	2
28	Impact of a shallow groundwater table on the global water cycle in the IPSL landâ€“atmosphere coupled model. Climate Dynamics, 2018, 50, 3505-3522.	3.8	17
29	Post-Monsoon Season Precipitation Reduction over South Asia: Impacts of Anthropogenic Aerosols and Irrigation. Atmosphere, 2018, 9, 311.	2.3	8
30	Irrigation-Induced Landâ€“Atmosphere Feedbacks and Their Impacts on Indian Summer Monsoon. Journal of Climate, 2018, 31, 8785-8801.	3.2	31
31	Emerging trends in global freshwater availability. Nature, 2018, 557, 651-659.	27.8	1,087
32	Concurrent increases in wet and dry extremes projected in Texas and combined effects on groundwater. Environmental Research Letters, 2018, 13, 054002.	5.2	17
33	Separating decadal global water cycle variability from sea level rise. Scientific Reports, 2017, 7, 995.	3.3	14
34	Relation between precipitation location and antecedent/subsequent soil moisture spatial patterns. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6319-6328.	3.3	32
35	Integrated multi-parameter approach for delineating groundwater potential zones in a crystalline aquifer of southern India. Arabian Journal of Geosciences, 2017, 10, 1.	1.3	2
36	Recent Changes in Land Water Storage and its Contribution to Sea Level Variations. Surveys in Geophysics, 2017, 38, 131-152.	4.6	59

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37	The 2015 Borneo fires: What have we learned from the 1997 and 2006 El NiÃ±os?. Environmental Research Letters, 2016, 11, 104003.	5.2	26
38	Fate of water pumped from underground and contributions to sea-level rise. Nature Climate Change, 2016, 6, 777-780.	18.8	103
39	Remote detection of water management impacts on evapotranspiration in the Colorado River Basin. Geophysical Research Letters, 2016, 43, 5089-5097.	4.0	37
40	Terrestrial water flux responses to global warming in tropical rainforest areas. Earth's Future, 2016, 4, 210-224.	6.3	14
41	Assessing the radiative impacts of precipitating clouds on winter surface air temperatures and land surface properties in general circulation models using observations. Journal of Geophysical Research D: Atmospheres, 2016, 121, 11,536.	3.3	1
42	Diagnosing the possible dynamics controlling Sahel precipitation in the short-range ensemble community atmospheric model hindcasts. Climate Dynamics, 2016, 47, 2747-2764.	3.8	2
43	Mapping the locations of asymmetric and symmetric discharge responses in global rivers to the two types of El NiÃ±o. Environmental Research Letters, 2016, 11, 044012.	5.2	12
44	Reply to comment by Sahoo et al. on â€œQuantifying renewable groundwater stress with GRACEâ€• Water Resources Research, 2016, 52, 4188-4192.	4.2	6
45	A decade of sea level rise slowed by climate-driven hydrology. Science, 2016, 351, 699-703.	12.6	219
46	Potential negative effects of groundwater dynamics on dry season convection in the Amazon River basin. Climate Dynamics, 2016, 46, 1001-1013.	3.8	12
47	Uncertainty in global groundwater storage estimates in a <scp>T</scp>otal <scp>G</scp>roundwater <scp>S</scp>tress framework. Water Resources Research, 2015, 51, 5198-5216.	4.2	180
48	Quantifying renewable groundwater stress with <scp>GRACE</scp>. Water Resources Research, 2015, 51, 5217-5238.	4.2	588
49	The changing influence of El NiÃ±o on the Great Plains lowâ€level jet. Atmospheric Science Letters, 2015, 16, 512-517.	1.9	16
50	Potential impacts of wintertime soil moisture anomalies from agricultural irrigation at low latitudes on regional and global climates. Geophysical Research Letters, 2015, 42, 8605-8614.	4.0	29
51	Increases in the annual range of soil water storage at northern middle and high latitudes under global warming. Geophysical Research Letters, 2015, 42, 3903-3910.	4.0	30
52	An improved hindcast approach for evaluation and diagnosis of physical processes in global climate models. Journal of Advances in Modeling Earth Systems, 2015, 7, 1810-1827.	3.8	54
53	The impacts of heterogeneous land surface fluxes on the diurnal cycle precipitation: A framework for improving the GCM representation of landâ€atmosphere interactions. Journal of Geophysical Research D: Atmospheres, 2015, 120, 3714-3727.	3.3	24
54	Using satellite-based estimates of evapotranspiration and groundwater changes to determine anthropogenic water fluxes in land surface models. Geoscientific Model Development, 2015, 8, 3021-3031.	3.6	32

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55	Asymmetric responses of land hydroclimatology to two types of El NiÃ±o in the Mississippi River Basin. Geophysical Research Letters, 2014, 41, 582-588.	4.0	21
56	The response of coastal stratocumulus clouds to agricultural irrigation in California. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6044-6051.	3.3	10
57	Irrigation in California's Central Valley strengthens the southwestern U.S. water cycle. Geophysical Research Letters, 2013, 40, 301-306.	4.0	202
58	Groundwater depletion in the Middle East from GRACE with implications for transboundary water management in the Tigrisâ€Euphratesâ€Western Iran region. Water Resources Research, 2013, 49, 904-914.	4.2	601
59	Recent increase in high tropical cyclone heat potential area in the Western North Pacific Ocean. Geophysical Research Letters, 2013, 40, 4680-4684.	4.0	61
60	Assessing surface water consumption using remotelyâ€sensed groundwater, evapotranspiration, and precipitation. Geophysical Research Letters, 2012, 39, .	4.0	38
61	Satellites measure recent rates of groundwater depletion in California's Central Valley. Geophysical Research Letters, 2011, 38, .	4.0	703
62	Precipitation response to land subsurface hydrologic processes in atmospheric general circulation model simulations. Journal of Geophysical Research, 2011, 116, .	3.3	29
63	Improving parameter estimation and water table depth simulation in a land surface model using GRACE water storage and estimated base flow data. Water Resources Research, 2010, 46, .	4.2	124
64	Effect of water table dynamics on land surface hydrologic memory. Journal of Geophysical Research, 2010, 115, .	3.3	56
65	Constraining water table depth simulations in a land surface model using estimated baseflow. Advances in Water Resources, 2008, 31, 1552-1564.	3.8	40
66	Asymmetric Responses of Tropical Precipitation during ENSO. Journal of Climate, 2007, 20, 3411-3433.	3.2	21