

Xing Yuan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/949316/publications.pdf>

Version: 2024-02-01

106
papers

4,428
citations

117625

34
h-index

123424

61
g-index

143
all docs

143
docs citations

143
times ranked

3661
citing authors

#	ARTICLE	IF	CITATIONS
1	A Drought Monitoring and Forecasting System for Sub-Sahara African Water Resources and Food Security. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 861-882.	3.3	371
2	Anthropogenic shift towards higher risk of flash drought over China. <i>Nature Communications</i> , 2019, 10, 4661.	12.8	236
3	Increasing flash droughts over China during the recent global warming hiatus. <i>Scientific Reports</i> , 2016, 6, 30571.	3.3	179
4	A first look at Climate Forecast System version 2 (CFSv2) for hydrological seasonal prediction. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	152
5	Microwave remote sensing of short-term droughts during crop growing seasons. <i>Geophysical Research Letters</i> , 2015, 42, 4394-4401.	4.0	142
6	Multimodel seasonal forecasting of global drought onset. <i>Geophysical Research Letters</i> , 2013, 40, 4900-4905.	4.0	130
7	Regional Climate-Weather Research and Forecasting Model. <i>Bulletin of the American Meteorological Society</i> , 2012, 93, 1363-1387.	3.3	129
8	CFSv2-Based Seasonal Hydroclimatic Forecasts over the Conterminous United States. <i>Journal of Climate</i> , 2013, 26, 4828-4847.	3.2	113
9	A review on climate-model-based seasonal hydrologic forecasting: physical understanding and system development. <i>Wiley Interdisciplinary Reviews: Water</i> , 2015, 2, 523-536.	6.5	106
10	An Overview of Drought Monitoring and Prediction Systems at Regional and Global Scales. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1879-1896.	3.3	96
11	Anthropogenic Intensification of Southern African Flash Droughts as Exemplified by the 2015/16 Season. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, S86-S90.	3.3	94
12	Understanding and seasonal forecasting of hydrological drought in the Anthropocene. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 5477-5492.	4.9	92
13	Seasonal Forecasting of Global Hydrologic Extremes: System Development and Evaluation over GEWEX Basins. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1895-1912.	3.3	85
14	The key drivers for the changes in global water scarcity: Water withdrawal versus water availability. <i>Journal of Hydrology</i> , 2021, 601, 126658.	5.4	73
15	A probabilistic framework for assessing drought recovery. <i>Geophysical Research Letters</i> , 2013, 40, 3637-3642.	4.0	71
16	Probabilistic Seasonal Forecasting of African Drought by Dynamical Models. <i>Journal of Hydrometeorology</i> , 2013, 14, 1706-1720.	1.9	71
17	Two Types of Flash Drought and Their Connections with Seasonal Drought. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 1478-1490.	4.3	70
18	Downscaling precipitation or bias-correcting streamflow? Some implications for coupled general circulation model (CGCM)-based ensemble seasonal hydrologic forecast. <i>Water Resources Research</i> , 2012, 48, .	4.2	64

#	ARTICLE	IF	CITATIONS
19	Impact of vegetation dynamics on hydrological processes in a semi-arid basin by using a land surface-hydrology coupled model. <i>Journal of Hydrology</i> , 2017, 551, 116-131.	5.4	63
20	CFSv2-based sub-seasonal precipitation and temperature forecast skill over the contiguous United States. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 1477-1490.	4.9	63
21	WRF ensemble downscaling seasonal forecasts of China winter precipitation during 1982â€“2008. <i>Climate Dynamics</i> , 2012, 39, 2041-2058.	3.8	60
22	Water budget closure based on GRACE measurements and reconstructed evapotranspiration using GLDAS and water use data for two large densely-populated mid-latitude basins. <i>Journal of Hydrology</i> , 2017, 547, 585-599.	5.4	59
23	The Influence of Atlantic Tropical Cyclones on Drought over the Eastern United States (1980â€“2007). <i>Journal of Climate</i> , 2013, 26, 3067-3086.	3.2	58
24	Effects of water table dynamics on regional climate: A case study over east Asian monsoon area. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	57
25	Unprecedented Europe Heat in Juneâ€“July 2019: Risk in the Historical and Future Context. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087809.	4.0	56
26	Rapid reduction in ecosystem productivity caused by flash droughts based on decade-long FLUXNET observations. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 5579-5593.	4.9	55
27	Seasonal drought predictability and forecast skill over China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 8264-8275.	3.3	53
28	An experimental seasonal hydrological forecasting system over the Yellow River basin â€“ Part 1: Understanding the role of initial hydrological conditions. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2437-2451.	4.9	49
29	Hydrologic post-processing of MOPEX streamflow simulations. <i>Journal of Hydrology</i> , 2014, 508, 147-156.	5.4	47
30	Do Lateral Flows Matter for the Hyperresolution Land Surface Modeling?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 12,077.	3.3	45
31	Evaluation of a Conjunctive Surfaceâ€“Subsurface Process Model (CSSP) over the Contiguous United States at Regionalâ€“Local Scales. <i>Journal of Hydrometeorology</i> , 2011, 12, 579-599.	1.9	43
32	Highâ€“Resolution Land Surface Modeling of Hydrological Changes Over the Sanjiangyuan Region in the Eastern Tibetan Plateau: 1. Model Development and Evaluation. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2806-2828.	3.8	43
33	Does a Strong El NiÃ±o Imply a Higher Predictability of Extreme Drought?. <i>Scientific Reports</i> , 2017, 7, 40741.	3.3	42
34	Challenges in predicting and simulating summer rainfall in the eastern China. <i>Climate Dynamics</i> , 2019, 52, 2217-2233.	3.8	39
35	Global assessment of future sectoral water scarcity under adaptive inner-basin water allocation measures. <i>Science of the Total Environment</i> , 2021, 783, 146973.	8.0	38
36	Integrating weather and climate prediction: Toward seamless hydrologic forecasting. <i>Geophysical Research Letters</i> , 2014, 41, 5891-5896.	4.0	37

#	ARTICLE	IF	CITATIONS
37	Ensemble streamflow forecasting over a cascade reservoir catchment with integrated hydrometeorological modeling and machine learning. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 265-278.	4.9	37
38	An experimental seasonal hydrological forecasting system over the Yellow River basin – Part 2: The added value from climate forecast models. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2453-2466.	4.9	36
39	Anthropogenic Speeding Up of South China Flash Droughts as Exemplified by the 2019 Summer–Autumn Transition Season. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091901.	4.0	36
40	Remote sensing of the impact of flash drought events on terrestrial carbon dynamics over China. <i>Carbon Balance and Management</i> , 2020, 15, 20.	3.2	34
41	The interactions between hydrological drought evolution and precipitation-streamflow relationship. <i>Journal of Hydrology</i> , 2021, 597, 126210.	5.4	33
42	Improving cold season precipitation prediction by the nested CWRP-CFS system. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	32
43	Effect of Teleconnected Land–Atmosphere Coupling on Northeast China Persistent Drought in Spring–Summer of 2017. <i>Journal of Climate</i> , 2019, 32, 7403-7420.	3.2	32
44	High-Resolution Land Surface Modeling of Hydrological Changes Over the Sanjiangyuan Region in the Eastern Tibetan Plateau: 2. Impact of Climate and Land Cover Change. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2829-2843.	3.8	31
45	CMIP6 projects less frequent seasonal soil moisture droughts over China in response to different warming levels. <i>Environmental Research Letters</i> , 2021, 16, 044053.	5.2	31
46	Impact of climate and population changes on the increasing exposure to summertime compound hot extremes. <i>Science of the Total Environment</i> , 2021, 772, 145004.	8.0	31
47	Did a skillful prediction of sea surface temperatures help or hinder forecasting of the 2012 Midwestern US drought?. <i>Environmental Research Letters</i> , 2014, 9, 034005.	5.2	30
48	Measuring and modeling the impact of a severe drought on terrestrial ecosystem CO ₂ and water fluxes in a subtropical forest. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2576-2587.	3.0	30
49	A hydrological perspective on drought risk-assessment in the Yellow River Basin under future anthropogenic activities. <i>Journal of Environmental Management</i> , 2021, 289, 112429.	7.8	30
50	On the clustering of climate models in ensemble seasonal forecasting. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	28
51	Hydroclimatic variability and predictability: a survey of recent research. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3777-3798.	4.9	28
52	Attribution of 2019 Extreme Spring–Early Summer Hot Drought over Yunnan in Southwestern China. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, S91-S96.	3.3	28
53	Attribution of the Persistent Spring–Summer Hot and Dry Extremes over Northeast China in 2017. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, S85-S89.	3.3	26
54	More Persistent Summer Compound Hot Extremes Caused by Global Urbanization. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093721.	4.0	26

#	ARTICLE	IF	CITATIONS
55	Effects of meteorological forcings and land surface model on soil moisture simulation over China. <i>Journal of Hydrology</i> , 2021, 603, 126978.	5.4	26
56	Incorporating Reanalysis-Based Short-Term Forecasts from a Regional Climate Model in an Irrigation Scheduling Optimization Problem. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014, 140, 699-713.	2.6	25
57	Reconciling the Attribution of Changes in Streamflow Extremes From a Hydroclimate Perspective. <i>Water Resources Research</i> , 2018, 54, 3886-3895.	4.2	25
58	Accelerated hydrological cycle over the Sanjiangyuan region induces more streamflow extremes at different global warming levels. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 5439-5451.	4.9	25
59	Streamflow droughts aggravated by human activities despite management. <i>Environmental Research Letters</i> , 2022, 17, 044059.	5.2	24
60	Attribution of hydrologic forecast uncertainty within scalable forecast windows. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 775-786.	4.9	23
61	More severe hydrological drought events emerge at different warming levels over the Wudinghe watershed in northern China. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 621-635.	4.9	23
62	Intensified Impacts of Central Pacific ENSO on the Reversal of December and January Surface Air Temperature Anomaly over China since 1997. <i>Journal of Climate</i> , 2021, 34, 1601-1618.	3.2	23
63	Hydrological monitoring and seasonal forecasting: Progress and perspectives. <i>Journal of Chinese Geography</i> , 2016, 26, 904-920.	3.9	22
64	Do Climate Change and El Niño Increase Likelihood of Yangtze River Extreme Rainfall?. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, S113-S117.	3.3	22
65	Multiscale Land-Atmosphere Coupling and Its Application in Assessing Subseasonal Forecasts over East Asia. <i>Journal of Hydrometeorology</i> , 2018, 19, 745-760.	1.9	22
66	Dissolved organic carbon response to hydrological drought characteristics: Based on long-term measurements of headwater streams. <i>Water Research</i> , 2022, 215, 118252.	11.3	22
67	A Framework for Diagnosing Seasonal Prediction through Canonical Event Analysis. <i>Monthly Weather Review</i> , 2015, 143, 2404-2418.	1.4	20
68	Spatiotemporal prediction of shallow water table depths in continental China. <i>Water Resources Research</i> , 2008, 44, .	4.2	19
69	Critical Role of Soil Moisture Memory in Predicting the 2012 Central United States Flash Drought. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	18
70	Extending seasonal predictability of Yangtze River summer floods. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4201-4211.	4.9	17
71	Anthropogenic Contributions to the 2018 Extreme Flooding over the Upper Yellow River Basin in China. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S89-S94.	3.3	16
72	Reservoirs regulate the relationship between hydrological drought recovery water and drought characteristics. <i>Journal of Hydrology</i> , 2021, 603, 127127.	5.4	16

#	ARTICLE	IF	CITATIONS
73	Upwind Droughts Enhance Half of the Heatwaves Over North China. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	16
74	Joint effects of three oceans on the 2020 super meiâ€yu. <i>Atmospheric and Oceanic Science Letters</i> , 2022, 15, 100127.	1.3	15
75	Prediction of water table under streamâ€aquifer interactions over an arid region. <i>Hydrological Processes</i> , 2010, 24, 160-169.	2.6	14
76	Mechanisms and Early Warning of Drought Disasters: Experimental Drought Meteorology Research over China. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 673-687.	3.3	14
77	Causes and Predictability of the 2021 Spring Southwestern China Severe Drought. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 1766-1776.	4.3	14
78	A First Look at Decadal Hydrological Predictability by Land Surface Ensemble Simulations. <i>Geophysical Research Letters</i> , 2018, 45, 2362-2369.	4.0	13
79	Benchmark decadal forecast skill for terrestrial water storage estimated by an elasticity framework. <i>Nature Communications</i> , 2019, 10, 1237.	12.8	13
80	Quantifying the uncertainty of internal variability in future projections of seasonal soil moisture droughts over China. <i>Science of the Total Environment</i> , 2022, 824, 153817.	8.0	13
81	Prediction of water table depths under soil water-groundwater interaction and stream water conveyance. <i>Science China Earth Sciences</i> , 2011, 54, 420-430.	5.2	12
82	Influence of Internal Variability and Global Warming on Multidecadal Changes in Regional Drought Severity over the Continental United States. <i>Journal of Hydrometeorology</i> , 2019, 20, 411-429.	1.9	12
83	Atmospheric Radiative Processes Accelerate Ground Surface Warming over the Southeastern Tibetan Plateau during 1998â€2013. <i>Journal of Climate</i> , 2020, 33, 1881-1895.	3.2	12
84	Global warming induces significant changes in the fraction of stored precipitation in the surface soil. <i>Global and Planetary Change</i> , 2021, 205, 103616.	3.5	12
85	Climate warming outweighs vegetation greening in intensifying flash droughts over China. <i>Environmental Research Letters</i> , 2022, 17, 054041.	5.2	12
86	Superensemble seasonal forecasting of soil moisture by NMME. <i>International Journal of Climatology</i> , 2018, 38, 2565-2574.	3.5	11
87	An agent-based framework for high-resolution modeling of domestic water use. <i>Resources, Conservation and Recycling</i> , 2021, 169, 105520.	10.8	11
88	Crucial role of natural processes in detecting human influence on evapotranspiration by multisource data analysis. <i>Journal of Hydrology</i> , 2020, 580, 124350.	5.4	10
89	Underestimation of the Warming Trend over the Tibetan Plateau during 1998â€2013 by Global Land Data Assimilation Systems and Atmospheric Reanalyses. <i>Journal of Meteorological Research</i> , 2020, 34, 88-100.	2.4	9
90	A Moderate Mitigation Can Significantly Delay the Emergence of Compound Hot Extremes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	9

#	ARTICLE	IF	CITATIONS
91	Characteristics and circulation patterns for wet and dry compound day-night heat waves in mid-eastern China. <i>Global and Planetary Change</i> , 2022, 213, 103839.	3.5	9
92	Evaluation of Model-Based Soil Moisture Drought Monitoring over Three Key Regions in China. <i>Journal of Applied Meteorology and Climatology</i> , 2018, 57, 1989-2004.	1.5	8
93	Evaluation of summer drought ensemble prediction over the Yellow River basin. <i>Atmospheric and Oceanic Science Letters</i> , 2018, 11, 314-321.	1.3	7
94	High-Resolution Land Surface Modeling of the Effect of Long-Term Urbanization on Hydrothermal Changes Over Beijing Metropolitan Area. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034787.	3.3	7
95	Incorporating groundwater dynamics and surface/subsurface runoff mechanisms in regional climate modeling over river basins in China. <i>Advances in Atmospheric Sciences</i> , 2013, 30, 983-996.	4.3	6
96	Recent Intensified Influence of the Winter North Pacific Sea Surface Temperature on the Mei-Yu Withdrawal Date. <i>Journal of Climate</i> , 2021, 34, 3869-3887.	3.2	6
97	Global Freshwater Storage Capability across Time Scales in the GRACE Satellite Era. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 905-917.	4.3	5
98	Unraveling human influence on evapotranspiration over East Asian monsoon river basins by using GRACE/GRACE-FO data and land surface models. <i>Journal of Hydrology</i> , 2022, 605, 127349.	5.4	5
99	Sensitivity of regionalized transfer-function noise models to the input and parameter transfer method / Sensibilit� de mod�les de type fonction de transfert bruit r�gionalis�e (FTBR) aux donn�es d'entr�e et aux m�thodes de transfert de param�tres. <i>Hydrological Sciences Journal</i> , 2009, 54, 639-651.	2.6	4
100	Skillful Decadal Prediction of Droughts Over Large-Scale River Basins Across the Globe. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089738.	4.0	4
101	Modeling the Influence of Upstream Land-atmosphere Coupling on the 2017 Persistent Drought over Northeast China. <i>Journal of Climate</i> , 2021, , 1-62.	3.2	4
102	The anthropogenic acceleration and intensification of flash drought over the southeastern coastal region of China will continue into the future. <i>Atmospheric and Oceanic Science Letters</i> , 2022, 15, 100262.	1.3	2
103	Seasonal Drought Forecasting on the Example of the USA. , 2015, , 1-9.		1
104	Impact of the false intensification and recovery on the hydrological drought internal propagation. <i>Weather and Climate Extremes</i> , 2022, 36, 100430.	4.1	1
105	Soil Moisture Estimation Using Active and Passive Remote Sensing Techniques. , 2016, , 37-56.		0
106	Seasonal Drought Forecasting on the Example of the USA. , 2019, , 1279-1287.		0