

# Yongqin David Chen

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81  
papers

3,285  
citations

34  
h-index

56  
g-index

81  
ext. papers

3,686  
ext. citations

4.3  
avg, IF

5.32  
L-index

#	Paper	IF	Citations
81	Global compound floods from precipitation and storm surge: Hazards and the roles of cyclones. <i>Journal of Climate</i> , <b>2021</b> , 1-55	4.4	4
80	Greater flood risks in response to slowdown of tropical cyclones over the coast of China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 14751-14755	11.5	27
79	Proposing a trend-based time-varying approach to assess climate- and human-induced impacts on streamflow. <i>Hydrological Sciences Journal</i> , <b>2020</b> , 65, 2043-2056	3.5	2
78	Tackling resolution mismatch of precipitation extremes from gridded GCMs and site-scale observations: Implication to assessment and future projection. <i>Atmospheric Research</i> , <b>2020</b> , 239, 104908	5.4	5
77	Provincial virtual energy-water use and its flows within China: A multiregional input-output approach. <i>Resources, Conservation and Recycling</i> , <b>2019</b> , 151, 104486	11.9	12
76	Environmental enforcement and compliance in Pennsylvania's Marcellus shale gas development. <i>Resources, Conservation and Recycling</i> , <b>2019</b> , 144, 24-31	11.9	4
75	Consistency and Discrepancy of Global Surface Soil Moisture Changes From Multiple Model-Based Data Sets Against Satellite Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 1474-1495	4.4	12
74	Synoptic moisture pathways associated with mean and extreme precipitation over Canada for summer and fall. <i>Climate Dynamics</i> , <b>2019</b> , 52, 2959-2979	4.2	6
73	Applications of multiple change point detections to monthly streamflow and rainfall in Xijiang River in southern China, part II: trend and mean. <i>Theoretical and Applied Climatology</i> , <b>2019</b> , 136, 489-497	3	1
72	Synoptic moisture pathways associated with mean and extreme precipitation over Canada for winter and spring. <i>Climate Dynamics</i> , <b>2019</b> , 53, 2663-2681	4.2	3
71	The River Chief System and River Pollution Control in China: A Case Study of Foshan. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 1606	3	12
70	Applications of multiscale change point detections to monthly stream flow and rainfall in Xijiang River in southern China, part I: correlation and variance. <i>Theoretical and Applied Climatology</i> , <b>2019</b> , 136, 237-248	3	2
69	Assessment of Flood Losses with Household Responses: Agent-Based Simulation in an Urban Catchment Area. <i>Environmental Modeling and Assessment</i> , <b>2018</b> , 23, 369-388	2	25
68	Elevated increases in human-perceived temperature under climate warming. <i>Nature Climate Change</i> , <b>2018</b> , 8, 43-47	21.4	66
67	Projected changes in seasonal temperature extremes across China from 2017 to 2100 based on statistical downscaling. <i>Global and Planetary Change</i> , <b>2018</b> , 166, 30-40	4.2	6
66	Moisture sources and pathways associated with the spatial variability of seasonal extreme precipitation over Canada. <i>Climate Dynamics</i> , <b>2018</b> , 50, 629-640	4.2	15
65	Evaluation of Future Water Use for Electricity Generation under Different Energy Development Scenarios in China. <i>Sustainability</i> , <b>2018</b> , 10, 30	3.6	10

64	Catching environmental noncompliance in shale gas development in China and the United States. <i>Resources, Conservation and Recycling</i> , <b>2017</b> , 121, 73-81	11.9	17
63	Transition probability behaviors of drought events in the Pearl River basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2017</b> , 31, 159-170	3.5	6
62	Response of Winter Moisture Circulation to the IndiaBurma Trough and Its Modulation by the South Asian Waveguide. <i>Journal of Climate</i> , <b>2017</b> , 30, 1197-1210	4.4	13
61	Response of long-term water availability to more extreme climate in the Pearl River Basin, China. <i>International Journal of Climatology</i> , <b>2017</b> , 37, 3223-3237	3.5	11
60	Temporal clustering of floods and impacts of climate indices in the Tarim River basin, China. <i>Global and Planetary Change</i> , <b>2016</b> , 147, 12-24	4.2	15
59	Detecting the origins of moisture over southeast China: Seasonal variation and heavy rainfall. <i>Advances in Atmospheric Sciences</i> , <b>2016</b> , 33, 319-329	2.9	26
58	Future Changes in Floods and Water Availability across China: Linkage with Changing Climate and Uncertainties. <i>Journal of Hydrometeorology</i> , <b>2016</b> , 17, 1295-1314	3.7	27
57	Probabilistic forecasting of seasonal droughts in the Pearl River basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2016</b> , 30, 2031-2040	3.5	24
56	Changes in site-scale temperature extremes over China during 2071-100 in CMIP5 simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 2732-2749	4.4	18
55	Assessment of Regional Drought Trend and Risk over China: A Drought Climate Division Perspective. <i>Journal of Climate</i> , <b>2015</b> , 28, 7025-7037	4.4	50
54	Future joint probability behaviors of precipitation extremes across China: Spatiotemporal patterns and implications for flood and drought hazards. <i>Global and Planetary Change</i> , <b>2015</b> , 124, 107-122	4.2	48
53	Effects of land-use/cover change on hydrological processes using a GIS/RS-based integrated hydrological model: case study of the East River, China. <i>Hydrological Sciences Journal</i> , <b>2015</b> , 60, 1724-1738	3.5	11
52	Regional Frequency Analysis of Droughts in China: A Multivariate Perspective. <i>Water Resources Management</i> , <b>2015</b> , 29, 1767-1787	3.7	69
51	Spatio-temporal variations of precipitation in arid and semiarid regions of China: The Yellow River basin as a case study. <i>Global and Planetary Change</i> , <b>2014</b> , 114, 38-49	4.2	79
50	Fracking and pollution: can China rescue its environment in time?. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 891-2	10.3	23
49	Max-stable based evaluation of impacts of climate indices on extreme precipitation processes across the Poyang Lake basin, China. <i>Global and Planetary Change</i> , <b>2014</b> , 122, 271-281	4.2	38
48	Multifractal analyses of daily rainfall time series in Pearl River basin of China. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2014</b> , 405, 193-202	3.3	36
47	Precipitation extremes in the Yangtze River Basin, China: regional frequency and spatialtemporal patterns. <i>Theoretical and Applied Climatology</i> , <b>2014</b> , 116, 447-461	3	40

46	Evaluation of risk of hydrological droughts by the trivariate Plackett copula in the East River basin (China). <i>Natural Hazards</i> , <b>2013</b> , 68, 529-547	3	34
45	GCMs-based spatiotemporal evolution of climate extremes during the 21st century in China. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 11,017-11,035	4.4	51
44	Landfalling tropical cyclones activities in the south China: intensifying or weakening?. <i>International Journal of Climatology</i> , <b>2012</b> , 32, 1815-1824	3.5	18
43	Multiscale variability of streamflow changes in the Pearl River basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2012</b> , 26, 235-246	3.5	13
42	Precipitation variability (1956-2002) in the Dongjiang River (Zhujiang River basin, China) and associated large-scale circulation. <i>Quaternary International</i> , <b>2011</b> , 244, 130-137	2	31
41	Comparison of detrending methods for fluctuation analysis in hydrology. <i>Journal of Hydrology</i> , <b>2011</b> , 400, 121-132	6	34
40	Improving the effectiveness of planning EIA (PEIA) in China: Integrating planning and assessment during the preparation of Shenzhen's Master Urban Plan. <i>Environmental Impact Assessment Review</i> , <b>2011</b> , 31, 561-571	5.3	23
39	Flood, drought and typhoon disasters during the last half-century in the Guangdong province, China. <i>Natural Hazards</i> , <b>2011</b> , 57, 267-278	3	51
38	Comparison of evapotranspiration variations between the Yellow River and Pearl River basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2011</b> , 25, 139-150	3.5	51
37	Human-induced regulations of river channels and implications for hydrological alterations in the Pearl River Delta, China. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2011</b> , 25, 1001-1011	3.5	18
36	Observed changes of temperature extremes during 1960-2005 in China: natural or human-induced variations?. <i>Theoretical and Applied Climatology</i> , <b>2011</b> , 106, 417-431	3	52
35	Copula-Based Analysis of Hydrological Extremes and Implications of Hydrological Behaviors in the Pearl River Basin, China. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2011</b> , 16, 598-607	1.8	38
34	Variability of water levels and impacts of streamflow changes and human activity within the Pearl River Delta, China. <i>Hydrological Sciences Journal</i> , <b>2010</b> , 55, 512-525	3.5	7
33	Multiscale streamflow variations of the Pearl River basin and possible implications for the water resource management within the Pearl River Delta, China. <i>Quaternary International</i> , <b>2010</b> , 226, 44-53	2	22
32	Changes of atmospheric water vapor budget in the Pearl River basin and possible implications for hydrological cycle. <i>Theoretical and Applied Climatology</i> , <b>2010</b> , 102, 185-195	3	35
31	Hydrologic alteration along the Middle and Upper East River (Dongjiang) basin, South China: a visually enhanced mining on the results of RVA method. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2010</b> , 24, 9-18	3.5	61
30	Wavelet-based characterization of water level behaviors in the Pearl River estuary, China. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2010</b> , 24, 81-92	3.5	17
29	Climate changes and their impacts on water resources in the arid regions: a case study of the Tarim River basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2010</b> , 24, 349-358	3.5	139

28	Simulating the integrated effects of topography and soil properties on runoff generation in hilly forested catchments, South China. <i>Hydrological Processes</i> , <b>2010</b> , 24, 714-725	3.3	12
27	Changing properties of hydrological extremes in south China: natural variations or human influences?. <i>Hydrological Processes</i> , <b>2010</b> , 24, 1421-1432	3.3	47
26	Abrupt behaviors of the streamflow of the Pearl River basin and implications for hydrological alterations across the Pearl River Delta, China. <i>Journal of Hydrology</i> , <b>2009</b> , 377, 274-283	6	38
25	Spatial assessment of hydrologic alteration across the Pearl River Delta, China, and possible underlying causes. <i>Hydrological Processes</i> , <b>2009</b> , 23, 1565-1574	3.3	45
24	Changing properties of precipitation concentration in the Pearl River basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2009</b> , 23, 377-385	3.5	155
23	Changes of temperature extremes for 1960-2004 in Far-West China. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2009</b> , 23, 721-735	3.5	62
22	Extreme value analysis of annual maximum water levels in the Pearl River Delta, China. <i>Frontiers of Earth Science</i> , <b>2009</b> , 3, 154-163		6
21	Change-point alterations of extreme water levels and underlying causes in the Pearl River Delta, China. <i>River Research and Applications</i> , <b>2009</b> , 25, 1153-1168	2.3	20
20	Multifractal analysis of streamflow records of the East River basin (Pearl River), China. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2009</b> , 388, 927-934	3.3	52
19	Regionalization study of a conceptual hydrological model in Dongjiang basin, south China. <i>Quaternary International</i> , <b>2009</b> , 208, 129-137	2	43
18	Spatial and temporal variability of precipitation maxima during 1960-2005 in the Yangtze River basin and possible association with large-scale circulation. <i>Journal of Hydrology</i> , <b>2008</b> , 353, 215-227	6	271
17	Flood/drought variability in the Yangtze Delta and association with the climatic changes from the Guliya ice core: A wavelet approach. <i>Quaternary International</i> , <b>2008</b> , 189, 163-172	2	13
16	Base-Flow Separation in the Source Region of the Yellow River. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2008</b> , 13, 541-548	1.8	14
15	A spatial assessment of hydrologic alteration caused by dam construction in the middle and lower Yellow River, China. <i>Hydrological Processes</i> , <b>2008</b> , 22, 3829-3843	3.3	190
14	Multifractal detrended fluctuation analysis of streamflow series of the Yangtze River basin, China. <i>Hydrological Processes</i> , <b>2008</b> , 22, 4997-5003	3.3	62
13	Comparison of hydrological impacts of climate change simulated by six hydrological models in the Dongjiang Basin, South China. <i>Journal of Hydrology</i> , <b>2007</b> , 336, 316-333	6	264
12	A distributed monthly hydrological model for integrating spatial variations of basin topography and rainfall. <i>Hydrological Processes</i> , <b>2007</b> , 21, 242-252	3.3	37
11	Channel changes of the Makou-Tianjiazhen reach in the middle Yangtze River during the past 40 years. <i>Journal of Chinese Geography</i> , <b>2007</b> , 17, 442-452	3.7	4

10	A Numerical Modeling System of the Hydrological Cycle for Estimation of Water Fluxes in the Huaihe River Plain Region, China. <i>Journal of Hydrometeorology</i> , <b>2007</b> , 8, 702-714	3.7	4
9	Restoration of marine coastal ecosystem health as a new goal for integrated catchment management in Tolo Harbor, Hong Kong, China. <i>Environmental Management</i> , <b>2006</b> , 37, 540-52	3.1	8
8	International Conference on Hydrological Sciences for Managing Water Resources in the Asian Developing World, Guangzhou, China, June 8-10, 2006. <i>Water International</i> , <b>2006</b> , 31, 275-276	2.4	
7	Regional analysis of low flow using L-moments for Dongjiang basin, South China. <i>Hydrological Sciences Journal</i> , <b>2006</b> , 51, 1051-1064	3.5	57
6	Evaluation of seasonal and spatial variations of lumped water balance model sensitivity to precipitation data errors. <i>Journal of Hydrology</i> , <b>2006</b> , 324, 80-93	6	37
5	Sensitivity of the Penman-Monteith reference evapotranspiration to key climatic variables in the Changjiang (Yangtze River) basin. <i>Journal of Hydrology</i> , <b>2006</b> , 329, 620-629	6	300
4	Sustainable Development and Management of Water Resources for Urban Water Supply in Hong Kong. <i>Water International</i> , <b>2001</b> , 26, 119-128	2.4	22
3	Water problems and opportunities in the hydrological sciences in China. <i>Hydrological Sciences Journal</i> , <b>2001</b> , 46, 907-921	3.5	64
2	Amplification of soil moisture deficit and high temperature in a drought-heatwave co-occurrence in southwestern China. <i>Natural Hazards</i> , 1	3	0
1	Lessons learnt from Typhoons Fitow and In-Fa: implications for improving urban flood resilience in Asian Coastal Cities. <i>Natural Hazards</i> , 1	3	0