

# Yongqin David Chen

## List of Publications by Citations

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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 | 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       |
| 80 | 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       |
| 79 | 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       |
| 78 | 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       |
| 77 | 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       |
| 76 | 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       |
| 75 | 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        |
| 74 | Regional Frequency Analysis of Droughts in China: A Multivariate Perspective. <i>Water Resources Management</i> , <b>2015</b> , 29, 1767-1787  | 3.7  | 69        |
| 73 | Elevated increases in human-perceived temperature under climate warming. <i>Nature Climate Change</i> , <b>2018</b> , 8, 43-47   | 21.4 | 66        |
| 72 | Water problems and opportunities in the hydrological sciences in China. <i>Hydrological Sciences Journal</i> , <b>2001</b> , 46, 907-921   | 3.5  | 64        |
| 71 | 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        |
| 70 | 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        |
| 69 | 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        |
| 68 | 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        |
| 67 | 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        |
| 66 | 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        |
| 65 | 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        |

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| 64 | 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 |
| 63 | 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 |
| 62 | 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 |
| 61 | 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 |
| 60 | 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 |
| 59 | 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 |
| 58 | Regionalization study of a conceptual hydrological model in Dongjiang basin, south China. <i>Quaternary International</i> , <b>2009</b> , 208, 129-137   | 2   | 43 |
| 57 | Precipitation extremes in the Yangtze River Basin, China: regional frequency and spatiotemporal patterns. <i>Theoretical and Applied Climatology</i> , <b>2014</b> , 116, 447-461                                  | 3   | 40 |
| 56 | 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 |
| 55 | 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 |
| 54 | 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 |
| 53 | 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 |
| 52 | 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 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 |
| 48 | Comparison of detrending methods for fluctuation analysis in hydrology. <i>Journal of Hydrology</i> , <b>2011</b> , 400, 121-132   | 6   | 34 |
| 47 | 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 |

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| 46 | 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 |
| 45 | 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 |
| 44 | 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 |
| 43 | 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 |
| 42 | 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 |
| 41 | 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 |
| 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 | 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 |
| 38 | 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 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | Changes in site-scale temperature extremes over China during 2071-2100 in CMIP5 simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 2732-2749  | 4.4  | 18 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | 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 |
| 29 | 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 |

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| 28 | 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 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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  |
| 17 | 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  |
| 16 | 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  |
| 15 | 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  |
| 14 | 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  |
| 13 | 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  |
| 12 | 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  |
| 11 | 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  |

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|----|--|-----|---|
| 10 | 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 |
| 9  | 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 |
| 8  | 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 |
| 7  | 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 |
| 6  | 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 |
| 5  | 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 |
| 4  | 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 |
| 3  | Amplification of soil moisture deficit and high temperature in a drought-heatwave co-occurrence in southwestern China. <i>Natural Hazards</i> , 1  | 3   | 0 |
| 2  | 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 |
| 1  | 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 |   |