Chansheng He

List of Publications by Year
in descending order

77 papers	**2,378** citations	257101 **24** h-index	223531 **46** g-index
81 all docs	**81** docs citations	**81** times ranked	**2359** citing authors

#	ARTICLE	IF	CITATIONS
1	Rainfall estimation from surface soil moisture using SM2RAIN in cold mountainous areas. Journal of Hydrology, 2022, 606, 127430.	2.3	9
2	Occurrence and controls of preferential flow in the upper stream of the Heihe River Basin, Northwest China. Journal of Hydrology, 2022, 607, 127528.	2.3	7
3	Development of a simple Budyko-based framework for the simulation and attribution of ET variability in dry regions. Journal of Hydrology, 2022, 610, 127955.	2.3	2
4	Assessment of the impact of future climate change on maize yield and water use efficiency in agroâ€pastoral ecotone of Northwestern China. Journal of Agronomy and Crop Science, 2021, 207, 317-331.	1.7	14
5	Vegetation restoration projects intensify intraregional water recycling processes in the agro-pastoral ecotone of Northern China. Journal of Hydrometeorology, 2021, , .	0.7	6
6	Historical Water Storage Changes Over China's Loess Plateau. Water Resources Research, 2021, 57, e2020WR028661.	1.7	35
7	Climate change impacts and adaptation strategies on rainfed and irrigated maize in the agro-pastoral ecotone of Northwestern China. Climate Research, 2021, 83, 75-90.	0.4	1
8	Watershed science: Linking hydrological science with sustainable management of river basins. Science China Earth Sciences, 2021, 64, 677-690.	2.3	12
9	Assessing the Effects of Spatial Scales on Regional Evapotranspiration Estimation by the SEBAL Model and Multiple Satellite Datasets: A Case Study in the Agro-Pastoral Ecotone, Northwestern China. Remote Sensing, 2021, 13, 1524.	1.8	13
10	Evaluation of Precipitation Datasets from TRMM Satellite and Down-scaled Reanalysis Products with Bias-correction in Middle Qilian Mountain, China. Chinese Geographical Science, 2021, 31, 474-490.	1.2	7
11	Tracking Sustainable Restoration in Agro-Pastoral Ecotone of Northwest China. Remote Sensing, 2021, 13, 5031.	1.8	7
12	Regional water-energy cycle response to land use/cover change in the agro-pastoral ecotone, Northwest China. Journal of Hydrology, 2020, 580, 124246.	2.3	28
13	Estimating Regional Soil Moisture Distribution Based on NDVI and Land Surface Temperature Time Series Data in the Upstream of the Heihe River Watershed, Northwest China. Remote Sensing, 2020, 12, 2414.	1.8	14
14	Rational Planning of Land Use Can Maintain Water Yield Without Damaging Ecological Stability in Upstream of Inland River: Case Study in the Hei River Basin of China. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032727.	1.2	9
15	Applicability of cosmic-ray neutron sensor for measuring soil moisture at the agricultural-pastoral ecotone in northwest China. Science China Earth Sciences, 2020, 63, 1730-1744.	2.3	12
16	Comparison of water resources management between China and the United States. Geography and Sustainability, 2020, 1, 98-108.	1.9	33
17	Estimating daily evapotranspiration in the agricultural-pastoral ecotone in Northwest China: A comparative analysis of the Complementary Relationship, WRF-CLM4.0, and WRF-Noah methods. Science of the Total Environment, 2020, 729, 138635.	3.9	17
18	Estimation of subsurface soil moisture from surface soil moisture in cold mountainous areas. Hydrology and Earth System Sciences, 2020, 24, 4659-4674.	1.9	17

#	ARTICLE	IF	CITATIONS
19	Impacts of water resource planning on regional water consumption pattern: A case study in Dunhuang Oasis, China. Journal of Arid Land, 2019, 11, 713-728.	0.9	9
20	Detecting Vegetation Variations and Main Drivers over the Agropastoral Ecotone of Northern China through the Ensemble Empirical Mode Decomposition Method. Remote Sensing, 2019, 11, 1860.	1.8	28
21	Soil Water Content and Temperature Dynamics under Grassland Degradation: A Multi-Depth Continuous Measurement from the Agricultural Pastoral Ecotone in Northwest China. Sustainability, 2019, 11, 4188.	1.6	15
22	Dynamic response patterns of profile soil moisture wetting events under different land covers in the Mountainous area of the Heihe River Watershed, Northwest China. Agricultural and Forest Meteorology, 2019, 271, 225-239.	1.9	46
23	Evaluation of the SMOS and SMAP soil moisture products under different vegetation types against two sparse in situ networks over arid mountainous watersheds, Northwest China. Science China Earth Sciences, 2019, 62, 703-718.	2.3	23
24	A Modified Groundwater Module in SWAT for Improved Streamflow Simulation in a Large, Arid Endorheic River Watershed in Northwest China. Chinese Geographical Science, 2018, 28, 47-60.	1.2	13
25	Water sustainability and watershed ecosystem health. Ecosystem Health and Sustainability, 2018, 4, .	1.5	2
26	Contrasting streamflow regimes induced by melting glaciers across the Tien Shan â€" Pamir â€" North Karakoram. Scientific Reports, 2018, 8, 16470.	1.6	54
27	Is There a Change From a Warmâ€Dry to a Warmâ€Wet Climate in the Inland River Area of China? Interpretation and Analysis Through Surface Water Balance. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7114-7131.	1.2	19
28	A Comparison of Markov Chain Random Field and Ordinary Kriging Methods for Calculating Soil Texture in a Mountainous Watershed, Northwest China. Sustainability, 2018, 10, 2819.	1.6	6
29	Comparison of IDW and Physically Based IDEW Method in Hydrological Modelling for a Large Mountainous Watershed, Northwest China. River Research and Applications, 2017, 33, 912-924.	0.7	13
30	Variability in Soil Hydraulic Conductivity and Soil Hydrological Response Under Different Land Covers in the Mountainous Area of the Heihe River Watershed, Northwest China. Land Degradation and Development, 2017, 28, 1437-1449.	1.8	51
31	Physically Based Adjustment Factors for Precipitation Estimation in a Large Arid Mountainous Watershed, Northwest China. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	0.8	3
32	Human settlement and changes in the distribution of river systems in the Minqin Basin over the past 2000 years in Northwest China. Ecosystem Health and Sustainability, 2017, 3, .	1.5	5
33	Multi-Scale Evaluation of the SMAP Product Using Sparse In-Situ Network over a High Mountainous Watershed, Northwest China. Remote Sensing, 2017, 9, 1111.	1.8	19
34	Hydrologic Simulation of a Winter Wheatâ€"Summer Maize Cropping System in an Irrigation District of the Lower Yellow River Basin, China. Water (Switzerland), 2017, 9, 7.	1.2	14
35	Hydrometeorological Observation and Study in High Altitude Area. Advances in Meteorology, 2016, 2016, 1-2.	0.6	1
36	Modeling irrigation management for water conservation by DSSAT-maize model in arid northwestern China. Agricultural Water Management, 2016, 177, 37-45.	2.4	46

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37	A modified water demand estimation method for drought identification over arid and semiarid regions. Agricultural and Forest Meteorology, 2016, 230-231, 58-66.	1.9	53
38	Quantifying drivers of the sediment load reduction in the Yellow River Basin. National Science Review, 2016, 3, 155-156.	4.6	4
39	Attribution of Runoff Decline in the Amu Darya River in Central Asia during 1951â€"2007. Journal of Hydrometeorology, 2016, 17, 1543-1560.	0.7	35
40	Comparison of SWAT and DLBRM for Hydrological Modeling of a Mountainous Watershed in Arid Northwest China. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	31
41	Evaluating the coupling effects of climate aridity and vegetation restoration on soil erosion over the Loess Plateau in China. Science of the Total Environment, 2016, 539, 436-449.	3.9	191
42	Modelling the impacts of spatial heterogeneity in soil hydraulic properties on hydrological process in the upper reach of the Heihe River in the Qilian Mountains, Northwest China. Hydrological Processes, 2015, 29, 3318-3327.	1.1	40
43	A new method for instant correction of numerical weather prediction products in China. Science China Earth Sciences, 2015, 58, 231-244.	2.3	1
44	Watershed science: Bridging new advances in hydrological science with good management of river basins. Science China Earth Sciences, 2015, 58, 1-2.	2.3	31
45	Analysis of Agricultural Land Use Change in the Middle Reach of the Heihe River Basin, Northwest China. International Journal of Environmental Research and Public Health, 2014, 11, 2698-2712.	1.2	13
46	Farmersâ€™ Sustainable Strategies for Soil Conservation on Sloping Arable Lands in the Upper Yangtze River Basin, China. Sustainability, 2014, 6, 4795-4806.	1.6	7
47	Quantifying the impacts of land use/land cover change on groundwater depletion in Northwestern China â€" A case study of the Dunhuang oasis. Agricultural Water Management, 2014, 146, 270-279.	2.4	62
48	Development of an instant correction and display system of numerical weather prediction products in China. Chinese Geographical Science, 2014, 24, 682-693.	1.2	1
49	Estimating point and non-point source nutrient loads in the Saginaw Bay watersheds. Journal of Great Lakes Research, 2014, 40, 11-17.	0.8	9
50	Evaluation of agricultural nonpoint source pollution potential risk over China with a Transformed-Agricultural Nonpoint Pollution Potential Index method. Environmental Technology (United Kingdom), 2013, 34, 2951-2963.	1.2	20
51	Spectral Analysis and Estimations of Soil Salt and Organic Matter Contents. Soil Science, 2013, 178, 138-146.	0.9	7
52	Simulation of River Flow for Downstream Water Allocation in the Heihe River Watershed, Northwest China. , 2013, , 173-186.		1
53	MULTI-SCALE ANALYSIS OF THE LONG-TERM TREND OF THE HYDROMETEOROLOGICAL VARIABLES IN THE UPPER REACH OF THE HEIHE RIVER,NORTHWEST CHINA. Marine Geology & Quaternary Geology, 2013, 33, 37.	0.1	4
54	Comparison of two methods for estimation of soil water content from measured reflectance. Canadian Journal of Soil Science, 2012, 92, 845-857.	0.5	7

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55	Assessing the soil erosion control service of ecosystems change in the Loess Plateau of China. Ecological Complexity, 2011, 8, 284-293.	1.4	681
56	Application of a Distributed Large Basin Runoff Model to Lake Erie: Model Calibration and Analysis of Parameter Spatial Variation. Journal of Hydrologic Engineering - ASCE, 2011, 16, 193-202.	0.8	14
57	Applying support vector regression to water quality modelling by remote sensing data. International Journal of Remote Sensing, 2011, 32, 8615-8627.	1.3	31
58	Estimating Phosphorous Load from a Large Watershed in the Great Lakes Basin. , 2010, , .		1
59	Roles of the combined irrigation, drainage, and storage of the canal network in improving water reuse in the irrigation districts along the lower Yellow River, China. Journal of Hydrology, 2010, 391, 157-174.	2.3	27
60	Chinaâ€™s Southâ€to€North Water Transfer Project: Is it Needed?. Geography Compass, 2010, 4, 1312-1323.	1.5	27
61	Assessment of crop growth and soil water modules in SWAT2000 using extensive field experiment data in an irrigation district of the Yellow River Basin. Journal of Hydrology, 2008, 352, 139-156.	2.3	112
62	Hydrological Resource Sheds. Journal of Hydrologic Engineering - ASCE, 2008, 13, 873-885.	0.8	7
63	Application of a distributed large basin runoff model in the Great Lakes basin. Control Engineering Practice, 2007, 15, 1001-1011.	3.2	23
64	Watershed Surface and Subsurface Spatial Intraflows Model. Journal of Hydrologic Engineering - ASCE, 2006, 11, 12-20.	0.8	22
65	Distributed-Parameter Large Basin Runoff Model. II: Application. Journal of Hydrologic Engineering - ASCE, 2005, 10, 182-191.	0.8	24
66	Desiccation of the Yellow River and the South Water Northward Transfer Project. Water International, 2005, 30, 261-268.	0.4	14
67	Distributed-Parameter Large Basin Runoff Model. I: Model Development. Journal of Hydrologic Engineering - ASCE, 2005, 10, 173-181.	0.8	36
68	Integration of geographic information systems and simulation model for watershed management. Environmental Modelling and Software, 2003, 18, 809-813.	1.9	80
69	A WINDOWS-BASED GIS-AGNPS INTERFACE. Journal of the American Water Resources Association, 2001, 37, 395-406.	1.0	26
70	A conceptual framework for integrating hydrological and biological indicators into watershed management. Landscape and Urban Planning, 2000, 49, 25-34.	3.4	53
71	Assessing Regional Crop Irrigation Requirements and Streamflow Availability for Irrigation Development in Saginaw Bay, Michigan. Geographical Analysis, 1999, 31, 169-186.	1.9	3
72	Use of Hydrologic Budget and Chemical Data for Ground-Water Assessment. Journal of Water Resources Planning and Management - ASCE, 1999, 125, 234-238.	1.3	2

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73	Assessing Regional Crop Irrigation Requirements and Streamflow Availability for Irrigation Development in Saginaw Bay, Michigan. Geographical Analysis, 1999, 31, 169-186.	1.9	1
74	Incorporating Soil Associations into Linear Programming Models for Development of Irrigation Scenarios. Geographical Analysis, 1999, 31, 236-248.	1.9	4
75	A PRELIMINARY ANALYSIS OF ANIMAL MANURE DISTRIBUTION IN MICHIGAN FOR NUTRIENT UTILIZATION. Journal of the American Water Resources Association, 1998, 34, 1341-1354.	1.0	9
76	MODELING HYDROLOGIC IMPACT OF WITHDRAWING THE GREAT LAKES WATER FOR AGRICULTURAL IRRIGATION. Journal of the American Water Resources Association, 1997, 33, 1055-1068.	1.0	9
77	INTEGRATION OF GEOGRAPHIC INFORMATION SYSTEMS AND A COMPUTER MODEL TO EVALUATE IMPACTS OF AGRICULTURAL RUNOFF ON WATER QUALITY. Journal of the American Water Resources Association, 1993, 29, 891-900.	1.0	37