

Chansheng He

List of Publications by Year in descending order

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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	Assessing the soil erosion control service of ecosystems change in the Loess Plateau of China. <i>Ecological Complexity</i> , 2011, 8, 284-293.	1.4	681
2	Evaluating the coupling effects of climate aridity and vegetation restoration on soil erosion over the Loess Plateau in China. <i>Science of the Total Environment</i> , 2016, 539, 436-449.	3.9	191
3	Assessment of crop growth and soil water modules in SWAT2000 using extensive field experiment data in an irrigation district of the Yellow River Basin. <i>Journal of Hydrology</i> , 2008, 352, 139-156.	2.3	112
4	Integration of geographic information systems and simulation model for watershed management. <i>Environmental Modelling and Software</i> , 2003, 18, 809-813.	1.9	80
5	Quantifying the impacts of land use/land cover change on groundwater depletion in Northwestern China – A case study of the Dunhuang oasis. <i>Agricultural Water Management</i> , 2014, 146, 270-279.	2.4	62
6	Contrasting streamflow regimes induced by melting glaciers across the Tien Shan – Pamir – North Karakoram. <i>Scientific Reports</i> , 2018, 8, 16470.	1.6	54
7	A conceptual framework for integrating hydrological and biological indicators into watershed management. <i>Landscape and Urban Planning</i> , 2000, 49, 25-34.	3.4	53
8	A modified water demand estimation method for drought identification over arid and semiarid regions. <i>Agricultural and Forest Meteorology</i> , 2016, 230-231, 58-66.	1.9	53
9	Variability in Soil Hydraulic Conductivity and Soil Hydrological Response Under Different Land Covers in the Mountainous Area of the Heihe River Watershed, Northwest China. <i>Land Degradation and Development</i> , 2017, 28, 1437-1449.	1.8	51
10	Modeling irrigation management for water conservation by DSSAT-maize model in arid northwestern China. <i>Agricultural Water Management</i> , 2016, 177, 37-45.	2.4	46
11	Dynamic response patterns of profile soil moisture wetting events under different land covers in the Mountainous area of the Heihe River Watershed, Northwest China. <i>Agricultural and Forest Meteorology</i> , 2019, 271, 225-239.	1.9	46
12	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. <i>Hydrological Processes</i> , 2015, 29, 3318-3327.	1.1	40
13	INTEGRATION OF GEOGRAPHIC INFORMATION SYSTEMS AND A COMPUTER MODEL TO EVALUATE IMPACTS OF AGRICULTURAL RUNOFF ON WATER QUALITY. <i>Journal of the American Water Resources Association</i> , 1993, 29, 891-900.	1.0	37
14	Distributed-Parameter Large Basin Runoff Model. I: Model Development. <i>Journal of Hydrologic Engineering - ASCE</i> , 2005, 10, 173-181.	0.8	36
15	Attribution of Runoff Decline in the Amu Darya River in Central Asia during 1951–2007. <i>Journal of Hydrometeorology</i> , 2016, 17, 1543-1560.	0.7	35
16	Historical Water Storage Changes Over China's Loess Plateau. <i>Water Resources Research</i> , 2021, 57, e2020WR028661.	1.7	35
17	Comparison of water resources management between China and the United States. <i>Geography and Sustainability</i> , 2020, 1, 98-108.	1.9	33
18	Applying support vector regression to water quality modelling by remote sensing data. <i>International Journal of Remote Sensing</i> , 2011, 32, 8615-8627.	1.3	31

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19	Watershed science: Bridging new advances in hydrological science with good management of river basins. <i>Science China Earth Sciences</i> , 2015, 58, 1-2.	2.3	31
20	Comparison of SWAT and DLBRM for Hydrological Modeling of a Mountainous Watershed in Arid Northwest China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, .	0.8	31
21	Detecting Vegetation Variations and Main Drivers over the Agropastoral Ecotone of Northern China through the Ensemble Empirical Mode Decomposition Method. <i>Remote Sensing</i> , 2019, 11, 1860.	1.8	28
22	Regional water-energy cycle response to land use/cover change in the agro-pastoral ecotone, Northwest China. <i>Journal of Hydrology</i> , 2020, 580, 124246.	2.3	28
23	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. <i>Journal of Hydrology</i> , 2010, 391, 157-174.	2.3	27
24	China's South-to-North Water Transfer Project: Is it Needed?. <i>Geography Compass</i> , 2010, 4, 1312-1323.	1.5	27
25	A WINDOWS-BASED GIS-AGNPS INTERFACE. <i>Journal of the American Water Resources Association</i> , 2001, 37, 395-406.	1.0	26
26	Distributed-Parameter Large Basin Runoff Model. II: Application. <i>Journal of Hydrologic Engineering - ASCE</i> , 2005, 10, 182-191.	0.8	24
27	Application of a distributed large basin runoff model in the Great Lakes basin. <i>Control Engineering Practice</i> , 2007, 15, 1001-1011.	3.2	23
28	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. <i>Science China Earth Sciences</i> , 2019, 62, 703-718.	2.3	23
29	Watershed Surface and Subsurface Spatial Intraflows Model. <i>Journal of Hydrologic Engineering - ASCE</i> , 2006, 11, 12-20.	0.8	22
30	Evaluation of agricultural nonpoint source pollution potential risk over China with a Transformed-Agricultural Nonpoint Pollution Potential Index method. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 2951-2963.	1.2	20
31	Multi-Scale Evaluation of the SMAP Product Using Sparse In-Situ Network over a High Mountainous Watershed, Northwest China. <i>Remote Sensing</i> , 2017, 9, 1111.	1.8	19
32	Is There a Change From a Warm-Dry to a Warm-Wet Climate in the Inland River Area of China? Interpretation and Analysis Through Surface Water Balance. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7114-7131.	1.2	19
33	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. <i>Science of the Total Environment</i> , 2020, 729, 138635.	3.9	17
34	Estimation of subsurface soil moisture from surface soil moisture in cold mountainous areas. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 4659-4674.	1.9	17
35	Soil Water Content and Temperature Dynamics under Grassland Degradation: A Multi-Depth Continuous Measurement from the Agricultural Pastoral Ecotone in Northwest China. <i>Sustainability</i> , 2019, 11, 4188.	1.6	15
36	Desiccation of the Yellow River and the South Water Northward Transfer Project. <i>Water International</i> , 2005, 30, 261-268.	0.4	14

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37	Application of a Distributed Large Basin Runoff Model to Lake Erie: Model Calibration and Analysis of Parameter Spatial Variation. <i>Journal of Hydrologic Engineering - ASCE</i> , 2011, 16, 193-202.	0.8	14
38	Hydrologic Simulation of a Winter Wheat–Summer Maize Cropping System in an Irrigation District of the Lower Yellow River Basin, China. <i>Water (Switzerland)</i> , 2017, 9, 7.	1.2	14
39	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. <i>Remote Sensing</i> , 2020, 12, 2414.	1.8	14
40	Assessment of the impact of future climate change on maize yield and water use efficiency in agro–pastoral ecotone of Northwestern China. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 317-331.	1.7	14
41	Analysis of Agricultural Land Use Change in the Middle Reach of the Heihe River Basin, Northwest China. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 2698-2712.	1.2	13
42	Comparison of IDW and Physically Based IDEW Method in Hydrological Modelling for a Large Mountainous Watershed, Northwest China. <i>River Research and Applications</i> , 2017, 33, 912-924.	0.7	13
43	A Modified Groundwater Module in SWAT for Improved Streamflow Simulation in a Large, Arid Endorheic River Watershed in Northwest China. <i>Chinese Geographical Science</i> , 2018, 28, 47-60.	1.2	13
44	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. <i>Remote Sensing</i> , 2021, 13, 1524.	1.8	13
45	Applicability of cosmic-ray neutron sensor for measuring soil moisture at the agricultural-pastoral ecotone in northwest China. <i>Science China Earth Sciences</i> , 2020, 63, 1730-1744.	2.3	12
46	Watershed science: Linking hydrological science with sustainable management of river basins. <i>Science China Earth Sciences</i> , 2021, 64, 677-690.	2.3	12
47	MODELING HYDROLOGIC IMPACT OF WITHDRAWING THE GREAT LAKES WATER FOR AGRICULTURAL IRRIGATION. <i>Journal of the American Water Resources Association</i> , 1997, 33, 1055-1068.	1.0	9
48	A PRELIMINARY ANALYSIS OF ANIMAL MANURE DISTRIBUTION IN MICHIGAN FOR NUTRIENT UTILIZATION. <i>Journal of the American Water Resources Association</i> , 1998, 34, 1341-1354.	1.0	9
49	Estimating point and non-point source nutrient loads in the Saginaw Bay watersheds. <i>Journal of Great Lakes Research</i> , 2014, 40, 11-17.	0.8	9
50	Impacts of water resource planning on regional water consumption pattern: A case study in Dunhuang Oasis, China. <i>Journal of Arid Land</i> , 2019, 11, 713-728.	0.9	9
51	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. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032727.	1.2	9
52	Rainfall estimation from surface soil moisture using SM2RAIN in cold mountainous areas. <i>Journal of Hydrology</i> , 2022, 606, 127430.	2.3	9
53	Hydrological Resource Sheds. <i>Journal of Hydrologic Engineering - ASCE</i> , 2008, 13, 873-885.	0.8	7
54	Comparison of two methods for estimation of soil water content from measured reflectance. <i>Canadian Journal of Soil Science</i> , 2012, 92, 845-857.	0.5	7

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55	Spectral Analysis and Estimations of Soil Salt and Organic Matter Contents. <i>Soil Science</i> , 2013, 178, 138-146.	0.9	7
56	Farmersâ€™ Sustainable Strategies for Soil Conservation on Sloping Arable Lands in the Upper Yangtze River Basin, China. <i>Sustainability</i> , 2014, 6, 4795-4806.	1.6	7
57	Evaluation of Precipitation Datasets from TRMM Satellite and Down-scaled Reanalysis Products with Bias-correction in Middle Qilian Mountain, China. <i>Chinese Geographical Science</i> , 2021, 31, 474-490.	1.2	7
58	Occurrence and controls of preferential flow in the upper stream of the Heihe River Basin, Northwest China. <i>Journal of Hydrology</i> , 2022, 607, 127528.	2.3	7
59	Tracking Sustainable Restoration in Agro-Pastoral Ecotone of Northwest China. <i>Remote Sensing</i> , 2021, 13, 5031.	1.8	7
60	A Comparison of Markov Chain Random Field and Ordinary Kriging Methods for Calculating Soil Texture in a Mountainous Watershed, Northwest China. <i>Sustainability</i> , 2018, 10, 2819.	1.6	6
61	Vegetation restoration projects intensify intraregional water recycling processes in the agro-pastoral ecotone of Northern China. <i>Journal of Hydrometeorology</i> , 2021, , .	0.7	6
62	Human settlement and changes in the distribution of river systems in the Minqin Basin over the past 2000 years in Northwest China. <i>Ecosystem Health and Sustainability</i> , 2017, 3, .	1.5	5
63	Incorporating Soil Associations into Linear Programming Models for Development of Irrigation Scenarios. <i>Geographical Analysis</i> , 1999, 31, 236-248.	1.9	4
64	Quantifying drivers of the sediment load reduction in the Yellow River Basin. <i>National Science Review</i> , 2016, 3, 155-156.	4.6	4
65	MULTI-SCALE ANALYSIS OF THE LONG-TERM TREND OF THE HYDROMETEOROLOGICAL VARIABLES IN THE UPPER REACH OF THE HEIHE RIVER,NORTHWEST CHINA. <i>Marine Geology & Quaternary Geology</i> , 2013, 33, 37.	0.1	4
66	Assessing Regional Crop Irrigation Requirements and Streamflow Availability for Irrigation Development in Saginaw Bay, Michigan. <i>Geographical Analysis</i> , 1999, 31, 169-186.	1.9	3
67	Physically Based Adjustment Factors for Precipitation Estimation in a Large Arid Mountainous Watershed, Northwest China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	0.8	3
68	Use of Hydrologic Budget and Chemical Data for Ground-Water Assessment. <i>Journal of Water Resources Planning and Management - ASCE</i> , 1999, 125, 234-238.	1.3	2
69	Water sustainability and watershed ecosystem health. <i>Ecosystem Health and Sustainability</i> , 2018, 4, .	1.5	2
70	Development of a simple Budyko-based framework for the simulation and attribution of ET variability in dry regions. <i>Journal of Hydrology</i> , 2022, 610, 127955.	2.3	2
71	Estimating Phosphorous Load from a Large Watershed in the Great Lakes Basin. , 2010, , .		1
72	Assessing Regional Crop Irrigation Requirements and Streamflow Availability for Irrigation Development in Saginaw Bay, Michigan. <i>Geographical Analysis</i> , 1999, 31, 169-186.	1.9	1

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73	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
74	A new method for instant correction of numerical weather prediction products in China. Science China Earth Sciences, 2015, 58, 231-244.	2.3	1
75	Hydrometeorological Observation and Study in High Altitude Area. Advances in Meteorology, 2016, 2016, 1-2.	0.6	1
76	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
77	Simulation of River Flow for Downstream Water Allocation in the Heihe River Watershed, Northwest China. , 2013, , 173-186.		1