

Zhuping Sheng

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

932
citations

516561

16
h-index

501076

28
g-index

77
all docs

77
docs citations

77
times ranked

973
citing authors

#	ARTICLE	IF	CITATIONS
1	An aquifer storage and recovery system with reclaimed wastewater to preserve native groundwater resources in El Paso, Texas. <i>Journal of Environmental Management</i> , 2005, 75, 367-377.	3.8	100
2	Mechanisms of Earth Fissuring Caused by Groundwater Withdrawal. <i>Environmental and Engineering Geoscience</i> , 2003, 9, 351-362.	0.3	85
3	Modeling arid/semi-arid irrigated agricultural watersheds with SWAT: Applications, challenges, and solution strategies. <i>Journal of Hydrology</i> , 2020, 590, 125418.	2.3	53
4	Saltcedar control and water salvage on the Pecos river, Texas, 1999â€“2003. <i>Journal of Environmental Management</i> , 2005, 75, 399-409.	3.8	44
5	Did water-saving irrigation protect water resources over the past 40 years? A global analysis based on water accounting framework. <i>Agricultural Water Management</i> , 2021, 249, 106793.	2.4	44
6	SOIL SALINITY AND SODICITY APPRAISAL BY ELECTROMAGNETIC INDUCTION IN SOILS IRRIGATED TO GROW COTTON. <i>Land Degradation and Development</i> , 2014, 25, 228-235.	1.8	43
7	Impacts of groundwater pumping and climate variability on groundwater availability in the Rio Grande Basin. <i>Ecosphere</i> , 2013, 4, 1-25.	1.0	42
8	Evaluating the accuracy of soil water sensors for irrigation scheduling to conserve freshwater. <i>Applied Water Science</i> , 2012, 2, 119-125.	2.8	41
9	Reconstructed natural runoff helps to quantify the relationship between upstream water use and downstream water scarcity in China's river basins. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 2491-2505.	1.9	40
10	Linkage of Climatic Factors and Human Activities with Water Level Fluctuations in Qinghai Lake in the Northeastern Tibetan Plateau, China. <i>Water (Switzerland)</i> , 2017, 9, 552.	1.2	27
11	Hydrologic impacts of drought-adaptive agricultural water management in a semi-arid river basin: Case of Rincon Valley, New Mexico. <i>Agricultural Water Management</i> , 2018, 209, 206-218.	2.4	24
12	Integration of aspect and slope in snowmelt runoff modeling in a mountain watershed. <i>Water Science and Engineering</i> , 2016, 9, 265-273.	1.4	21
13	An improved method of Newmark analysis for mapping hazards of coseismic landslides. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 713-726.	1.5	20
14	Water allocation under the constraint of total water-use quota: a case from Dongjiang River Basin, South China. <i>Hydrological Sciences Journal</i> , 2018, 63, 154-167.	1.2	18
15	Impact of water transfer on interaction between surface water and groundwater in the lowland area of North China Plain. <i>Hydrological Processes</i> , 2018, 32, 2044-2057.	1.1	18
16	Cut soil slope stability analysis along National Highway at Wozekaâ€“Gidole Road, Ethiopia. <i>Modeling Earth Systems and Environment</i> , 2018, 4, 591-600.	1.9	17
17	Understanding and managing the stressed Mexico-USA transboundary Hueco bolson aquifer in the El Paso del Norte region as a complex system. <i>Hydrogeology Journal</i> , 2005, 13, 813-825.	0.9	16
18	A novel regional irrigation water productivity model coupling irrigation- and drainage-driven soil hydrology and salinity dynamics and shallow groundwater movement in arid regions in China. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 2399-2418.	1.9	16

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19	Surface and groundwater flow modeling for calibrating steady state using MODFLOW in Colorado River Delta, Baja California, Mexico. <i>Modeling Earth Systems and Environment</i> , 2017, 3, 815-824.	1.9	14
20	Salinity Management Using an Anionic Polymer in a Pecan Field with Calcareous-Sodic Soil. <i>Journal of Environmental Quality</i> , 2011, 40, 1314-1321.	1.0	13
21	Assessing aquifer storage and recovery feasibility in the Gulf Coastal Plains of Texas. <i>Journal of Hydrology: Regional Studies</i> , 2017, 14, 92-108.	1.0	13
22	Assess Effectiveness of Salt Removal by a Subsurface Drainage with Bundled Crop Straws in Coastal Saline Soil Using HYDRUS-3D. <i>Water (Switzerland)</i> , 2019, 11, 943.	1.2	13
23	The dissolution mechanism and karst development of carbonate rocks in karst rocky desertification area of Zhenfengâ€“Guanlingâ€“Huajiang County, Guizhou, China. <i>Carbonates and Evaporites</i> , 2019, 34, 45-51.	0.4	12
24	Soil Salinity and Maize Growth under Cycle Irrigation in Coastal Soils. <i>Agronomy Journal</i> , 2019, 111, 2276-2286.	0.9	11
25	Comparative Study of AI-Based Methodsâ€“Application of Analyzing Inflow and Infiltration in Sanitary Sewer Subcatchments. <i>Sustainability</i> , 2020, 12, 6254.	1.6	11
26	Featured Collection Introduction: Water for Megacities â€“ Challenges and Solutions. <i>Journal of the American Water Resources Association</i> , 2015, 51, 585-588.	1.0	10
27	Special Issue on Managed Aquifer Recharge: Powerful Management Tool for Meeting Water Resources Challenges. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015, 20, .	0.8	10
28	Combination of CFCs and stable isotopes to characterize the mechanism of groundwaterâ€“surface water interactions in a headwater basin of the North China Plain. <i>Hydrological Processes</i> , 2018, 32, 1571-1587.	1.1	10
29	Comparison of the Performance of Statistical Models in Forecasting Monthly Total Dissolved Solids in the Rio Grande¹. <i>Journal of the American Water Resources Association</i> , 2012, 48, 10-23.	1.0	9
30	Tamarix transpiration along a semiarid river has negligible impact on water resources. <i>Water Resources Research</i> , 2015, 51, 5117-5127.	1.7	9
31	Prediction of Relative Air Permeability of Porous Media With Weibull Pore Size Distribution. <i>Water Resources Research</i> , 2019, 55, 10037-10049.	1.7	9
32	Studies of a regulated dryland river: surfaceâ€“groundwater interactions. <i>Hydrological Processes</i> , 2013, 27, 1819-1828.	1.1	8
33	Assessment of Water Availability and Scarcity Based on Hydrologic Components in an Irrigated Agricultural Watershed Using SWAT. <i>Journal of the American Water Resources Association</i> , 2021, 57, 186-203.	1.0	8
34	Trend-outflow method for understanding interactions of surface water with groundwater and atmospheric water for eight reaches of the Upper Rio Grande. <i>Journal of Hydrology</i> , 2011, 409, 710-723.	2.3	7
35	Seasonal variation of infiltration rates through pond bed in a managed aquifer recharge system in <sc>Stâ€“AndrÃ©</sc>, Belgium. <i>Hydrological Processes</i> , 2020, 34, 3807-3823.	1.1	7
36	Optimizing Multiwell Aquifer Storage and Recovery Systems for Energy Use and Recovery Efficiency. <i>Ground Water</i> , 2021, 59, 629-643.	0.7	7

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37	Drought Scenario Analysis Using RiverWare: A Case Study in Urumqi River Basin, China. <i>Civil Engineering Journal (Iran)</i> , 2018, 4, 1837.	1.2	7
38	Evaluate River Water Salinity in a Semi-Arid Agricultural Watershed by Coupling Ensemble Machine Learning Technique with SWAT Model. <i>Journal of the American Water Resources Association</i> , 2022, 58, 1175-1188.	1.0	7
39	An Explicit Scheme to Represent the Bidirectional Hydrologic Exchanges Between the Vadose Zone, Phreatic Aquifer, and River. <i>Water Resources Research</i> , 2020, 56, e2020WR027571.	1.7	6
40	Field Experiments on Reducing Pollutants in Agricultural-Drained Water Using Soil-Vegetation Buffer Strips. <i>Polish Journal of Environmental Studies</i> , 2016, 25, 195-204.	0.6	6
41	Impact of time lags on diurnal estimates of canopy transpiration and canopy conductance from sap-flow measurements of <i>Populus cathayana</i> in the Qinghai-Tibetan Plateau. <i>Journal of Forestry Research</i> , 2017, 28, 481-490.	1.7	5
42	Effect of Surface Straw Incorporation Rate on Water-Salt Balance and Maize Yield in Soil Subject to Secondary Salinization with Brackish Water Irrigation. <i>Agronomy</i> , 2019, 9, 341.	1.3	5
43	Heavy Metal Distribution in Open Canals and Drains in the Upper Rio Grande Basin. <i>Soil and Sediment Contamination</i> , 2003, 12, 305-323.	1.1	4
44	Rapid Economic Assessment of Flood-control Failure along the Rio Grande: A Case Study. <i>International Journal of Water Resources Development</i> , 2005, 21, 629-649.	1.2	4
45	Effect on Soil Properties and Maize Growth by Alternate Irrigation with Brackish Water. <i>Transactions of the ASABE</i> , 2019, 62, 485-493.	1.1	4
46	A Karez System's Dilemma: A Cultural Heritage on a Shelf or Still a Viable Technique for Water Resiliency in Arid Regions. , 2019, , 507-525.		4
47	Effect of multilayered groundwater mounds on water dynamics beneath a recharge basin: Numerical simulation and assessment of surface injection. <i>Hydrological Processes</i> , 2021, 35, e14193.	1.1	4
48	Comparing the effect of different irrigation water scenarios on arid region pecan orchard using a system dynamics approach. <i>Agricultural Water Management</i> , 2022, 265, 107547.	2.4	4
49	Quantification of surface water and groundwater salinity sources in irrigated lowland area of North China Plain. <i>Hydrological Processes</i> , 2021, 35, e14037.	1.1	3
50	Current Status and Future Directions in Modeling a Transboundary Aquifer: A Case Study of Hueco Bolson. <i>Water (Switzerland)</i> , 2021, 13, 3178.	1.2	3
51	Climate Change Impacts on Agricultural Water Availability in the Middle Rio Grande Basin. <i>Journal of the American Water Resources Association</i> , 0, , .	1.0	3
52	Assessment of Water Conservation by Lining Canals in the Paso Del Norte Region: The Franklin Canal Case Study. , 2003, , 1.		2
53	Control of atmospheric fluxes from a pecan orchard by physiology, meteorology, and canopy structure: Modeling and measurement. <i>Agricultural Water Management</i> , 2013, 129, 200-211.	2.4	2
54	Special Section on Interconnection of Atmospheric Water, Surface Water, and Groundwater. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 1191-1192.	0.8	2

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55	Management Strategies for the Hueco Bolson in the El Paso, Texas, USA and Ciudad Juarez, Mexico Region. , 2001, , 1.		1
56	COMPARATIVE STUDY IN WATER RESOURCES DEVELOPMENT OF WESTERN REGIONS IN THE U.S. AND CHINA. Transactions of the American Society of Agricultural Engineers, 2005, 48, 1015-1024.	0.9	1
57	Statistical Analysis of Flow Exchange and Salt Loading between the Rio Grande and Underlying Aquifers. , 2010, , .		1
58	Water Resources Management Strategies for Development of a Water-Saving Society in Golmu City, Qinghai Province, China. , 2010, , .		1
59	Sustainability of Ancient Karez Systems in Arid Lands: A Case Study in Turpan Region of China. , 2012, , .		1
60	Impacts of Urbanization and Intensification of Agriculture on Transboundary Aquifers: A Case Study. Journal of the American Water Resources Association, 2021, 57, 170-185.	1.0	1
61	Wellhead Protection Program Safeguards Groundwater. Opflow, 2001, 27, 10-14.	0.1	0
62	Synopsis of the El Paso-Las Cruces Regional Sustainable Water Project. , 2001, , 1.		0
63	Impacts of Inundation of Houziyan Reservoir on Zang Nationality Blockhouse Group Relics along the Dadu River. , 2006, , 1.		0
64	Runoffs of the Xiangride and Qaidum Rivers in the Arid Qaidum Basin, Northwest China. , 2009, , .		0
65	Analytical-Numerical Solution for Seepage along an Earth Canal Disconnected from the Shallow Aquifer. , 2009, , .		0
66	Evaluation of Well Heads by Using Different Approaches: Well Package, Multi-Node Well Package, and Analytical Solution. , 2011, , .		0
67	Development of Groundwater Resources. , 2011, , 203-294.		0
68	Understanding Surface Water and Groundwater Interactions in the Mesilla Basin. , 2012, , .		0
69	Soil Moisture Status in an Irrigated Pecan Field. Journal of Irrigation and Drainage Engineering - ASCE, 2013, 139, 26-40.	0.6	0
70	Experimental Study on Coupled Stress-Dissolution of Carbonate Rocks in Rocky Desertification Area of Karst Plateau, Guizhou, China. , 2019, , 123-131.		0
71	Introduction to the Featured Collection: Water Security “New Technologies, Strategies, Policies, and Institutions. Journal of the American Water Resources Association, 2021, 57, 527-529.	1.0	0
72	Virtual Water Flows in Internal and External Agricultural Product Trade in Central Asia. Journal of the American Water Resources Association, 0, , .	1.0	0