

Yizi shang

List of Publications by Year in descending order

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66
papers

1,185
citations

393982

19
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433756

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67
all docs

67
docs citations

67
times ranked

1087
citing authors

#	ARTICLE	IF	CITATIONS
1	Successful and sustainable governance of the lower Yellow River, China: A floodplain utilization approach for balancing ecological conservation and development. <i>Environment, Development and Sustainability</i> , 2022, 24, 3014-3038.	2.7	7
2	A novel method for transformer fault diagnosis based on refined deep residual shrinkage network. <i>IET Electric Power Applications</i> , 2022, 16, 206-223.	1.1	13
3	Long-, Medium-, and Short-Term Nested Optimized-Scheduling Model for Cascade Hydropower Plants: Development and Practical Application. <i>Water (Switzerland)</i> , 2022, 14, 1586.	1.2	3
4	A New Method for Transformer Fault Prediction Based on Multifeature Enhancement and Refined Long Short-Term Memory. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-11.	2.4	25
5	Optimisation of reservoir operation mode to improve sediment transport capacity of silt-laden rivers. <i>Journal of Hydrology</i> , 2021, 594, 125951.	2.3	16
6	Fuzzy Stress-based Modeling for Probabilistic Irrigation Planning Using Copula-NSPSO. <i>Water Resources Management</i> , 2021, 35, 4943-4959.	1.9	30
7	Internal Nitrogen Cycle in Macrophyte-Dominated Eutrophic Lakes: Mechanisms and Implications for Ecological Restoration. <i>ACS ES&T Water</i> , 2021, 1, 2359-2369.	2.3	8
8	Performance of genetic algorithms with different selection operators for solving short-term optimized reservoir scheduling problem. <i>Soft Computing</i> , 2020, 24, 6771-6785.	2.1	9
9	Reply to Comment by Jie Qin and Teng Wu on "A Modified Particle Filter-Based Data Assimilation Method for a High-Precision 2D Hydrodynamic Model Considering Spatial-Temporal Variability of Roughness: Simulation of Dam-Break Flood Inundation". <i>Water Resources Research</i> , 2020, 56, e2020WR027315.	1.7	1
10	Causes of Variations in Sediment Yield in the Jinghe River Basin, China. <i>Scientific Reports</i> , 2020, 10, 18054.	1.6	17
11	Improved ecological development model for lower Yellow River floodplain, China. <i>Water Science and Engineering</i> , 2020, 13, 275-285.	1.4	13
12	Evaluation on Early Drought Warning System in the Jinghui Channel Irrigation Area. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 374.	1.2	4
13	Glacier variations and their response to climate change in an arid inland river basin of Northwest China. <i>Journal of Arid Land</i> , 2020, 12, 357-373.	0.9	11
14	A REGULATION ALGORITHM FOR AUTOMATIC CONTROL OF CANAL SYSTEMS UNDER EMERGENCY CONDITIONS. <i>Irrigation and Drainage</i> , 2019, 68, 646-656.	0.8	7
15	A Modified Particle Filter-Based Data Assimilation Method for a High-Precision 2D Hydrodynamic Model Considering Spatial-Temporal Variability of Roughness: Simulation of Dam-Break Flood Inundation. <i>Water Resources Research</i> , 2019, 55, 6049-6068.	1.7	8
16	Modified genetic algorithm with simulated annealing applied to optimal load dispatch of the Three Gorges Hydropower Plant in China. <i>Hydrological Sciences Journal</i> , 2019, 64, 1129-1139.	1.2	14
17	A method of direct, real-time forecasting of downstream water levels via hydropower station reregulation: A case study from Gezhouba Hydropower Plant, China. <i>Journal of Hydrology</i> , 2019, 573, 895-907.	2.3	25
18	Closure to "Influence of Daily Regulation of a Reservoir on Downstream Navigation" by Yizi Shang, Xiaofei Li, Xuerui Gao, Yanxiang Guo, Yuntao Ye, and Ling Shang. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, 07019001.	0.8	2

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19	Assessment of the Tarim River basin water resources sustainable utilization based on entropy weight set pair theory. <i>Water Science and Technology: Water Supply</i> , 2019, 19, 908-917.	1.0	5
20	The Importance of the Water-Energy Nexus for Emerging Countries When Moving Towards Below 2°C. <i>Lecture Notes in Energy</i> , 2018, , 347-369.	0.2	0
21	Analysis of changes in flood regime using a distributed hydrological model: a case study in the Second Songhua River basin, China. <i>International Journal of Water Resources Development</i> , 2018, 34, 386-404.	1.2	7
22	Flash flood early warning research in China. <i>International Journal of Water Resources Development</i> , 2018, 34, 369-385.	1.2	15
23	Remote sensing of water quality based on HJ-1A HSI imagery with modified discrete binary particle swarm optimization-partial least squares (MDBPSO-PLS) in inland waters: A case in Weishan Lake. <i>Ecological Informatics</i> , 2018, 44, 21-32.	2.3	23
24	Assessing emergency regulation technology in the Middle Route of the South-to-North Water Diversion Project, China. <i>International Journal of Water Resources Development</i> , 2018, 34, 405-417.	1.2	14
25	China's energy-water nexus: Assessing water conservation synergies of the total coal consumption cap strategy until 2050. <i>Applied Energy</i> , 2018, 210, 643-660.	5.1	111
26	Sudden water pollution accidents and reservoir emergency operations: impact analysis at Danjiangkou Reservoir. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 787-803.	1.2	21
27	Trust model for reliable node allocation based on daily computer usage behavior. <i>Concurrency Computation Practice and Experience</i> , 2018, 30, e4346.	1.4	1
28	China's energy-water nexus: Hydropower generation potential of joint operation of the Three Gorges and Qingjiang cascade reservoirs. <i>Energy</i> , 2018, 142, 14-32.	4.5	38
29	Economic benefit analysis of joint operation of cascaded reservoirs. <i>Journal of Cleaner Production</i> , 2018, 179, 731-737.	4.6	31
30	Assessment of Urban Water Supply System Based on Query Optimization Strategy. <i>Complexity</i> , 2018, 2018, 1-10.	0.9	1
31	Basic theories and methods of watershed ecological regulation and control system. <i>Journal of Water and Climate Change</i> , 2018, 9, 293-306.	1.2	11
32	Improving Hilbert-Huang transform for energy-correlation fluctuation in hydraulic engineering. <i>Energy</i> , 2018, 164, 1341-1350.	4.5	9
33	An analysis of the factors that influence industrial water use in Tianjin, China. <i>International Journal of Water Resources Development</i> , 2017, 33, 81-92.	1.2	12
34	Balancing development of major coal bases with available water resources in China through 2020. <i>Applied Energy</i> , 2017, 194, 735-750.	5.1	71
35	Decomposition of industrial water use from 2003 to 2012 in Tianjin, China. <i>Technological Forecasting and Social Change</i> , 2017, 116, 53-61.	6.2	25
36	A research on the application of fuzzy iteration clustering in the water conservancy project. <i>Journal of Cleaner Production</i> , 2017, 151, 356-360.	4.6	24

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37	Sustainability of water resources for agriculture considering grain production, trade and consumption in China from 2004 to 2013. <i>Journal of Cleaner Production</i> , 2017, 149, 1210-1218.	4.6	72
38	Influence of Daily Regulation of a Reservoir on Downstream Navigation. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	0.8	14
39	Improved genetic algorithm for economic load dispatch in hydropower plants and comprehensive performance comparison with dynamic programming method. <i>Journal of Hydrology</i> , 2017, 554, 306-316.	2.3	50
40	Parameter identification for discharge formulas of radial gates based on measured data. <i>Flow Measurement and Instrumentation</i> , 2017, 58, 62-73.	1.0	8
41	Hierarchical prediction of industrial water demand based on refined Laspeyres decomposition analysis. <i>Water Science and Technology</i> , 2017, 76, 2876-2887.	1.2	2
42	Research on Synergistic Development of Urbanization and Energy Consumption. <i>Energy Procedia</i> , 2017, 105, 3673-3676.	1.8	6
43	An approach to minimizing the uncertainty caused by sediment washing pretreatment in phosphorus adsorption experiments. <i>Ecological Engineering</i> , 2017, 107, 244-251.	1.6	6
44	Drivers of industrial water use during 2003â€“2012 in Tianjin, China: A structural decomposition analysis. <i>Journal of Cleaner Production</i> , 2017, 140, 1136-1147.	4.6	55
45	Potential assessment of optimizing energy structure in the city of carbon intensity target. <i>Applied Energy</i> , 2017, 194, 765-773.	5.1	39
46	Forecasting and Providing Warnings of Flash Floods for Ungauged Mountainous Areas Based on a Distributed Hydrological Model. <i>Water (Switzerland)</i> , 2017, 9, 776.	1.2	24
47	THE EFFECTS OF RURAL DOMESTIC SEWAGE RECLAIMED WATER DRIP IRRIGATION ON CHARACTERISTICS OF RHIZOSPHERE SOIL. <i>Applied Ecology and Environmental Research</i> , 2017, 15, 1145-1155.	0.2	3
48	Processing conversion and parallel control platform: a parallel approach to serial hydrodynamic simulators for complex hydrodynamic simulations. <i>Journal of Hydroinformatics</i> , 2016, 18, 851-866.	1.1	12
49	Influencing Factor Identification of Industrial Water Use Changes in Tianjin and Their Impact Assessment. <i>Energy Procedia</i> , 2016, 88, 58-62.	1.8	1
50	Chinaâ€™s environmental strategy towards reducing deep groundwater exploitation. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	15
51	Decomposition methods for analyzing changes of industrial water use. <i>Journal of Hydrology</i> , 2016, 543, 808-817.	2.3	46
52	Algorithm for Canal Gate Operation to Maintain Steady Water Levels Under Abrupt Water Withdrawal. <i>Irrigation and Drainage</i> , 2016, 65, 741-749.	0.8	8
53	Suitability analysis of China's energy development strategy in the context of water resource management. <i>Energy</i> , 2016, 96, 286-293.	4.5	34
54	Temporal and spatial characteristics of pan evaporation trends and their attribution to meteorological drivers in the Threeâ€“River Source Region, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 6391-6408.	1.2	27

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55	Beijing's Water Resources: Challenges and Solutions. Journal of the American Water Resources Association, 2015, 51, 614-623.	1.0	41
56	Featured Collection Introduction: Water for Megacities " Challenges and Solutions. Journal of the American Water Resources Association, 2015, 51, 585-588.	1.0	10
57	China's campaign to create artificial water surfaces in drought-affected regions must consider prevention measures for ecological problems. Environmental Earth Sciences, 2015, 74, 5457-5462.	1.3	3
58	Using the High-Level Based Program Interface to Facilitate the Large Scale Scientific Computing. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	3
59	Radiative Divertor Plasma Behavior in L- and H-Mode Discharges with Argon Injection in EAST. Plasma Science and Technology, 2013, 15, 614-618.	0.7	9
60	Design and evaluation of control systems for a real canal. Science China Technological Sciences, 2012, 55, 142-154.	2.0	5
61	Transient flow control for an artificial open channel based on finite difference method. Science China Technological Sciences, 2011, 54, 781-792.	2.0	19
62	Parallel processing on block-based Gauss-Jordan algorithm for desktop grid. Computer Science and Information Systems, 2011, 8, 739-759.	0.7	5
63	Simulation of transport channel in China's middle route south-to-north water transfer project. Tsinghua Science and Technology, 2009, 14, 367-377.	4.1	8
64	Fault-tolerant technique in the cluster computation of the digital watershed model. Tsinghua Science and Technology, 2007, 12, 162-168.	4.1	6
65	Fault-tolerant mechanism of the distributed cluster computers. Tsinghua Science and Technology, 2007, 12, 186-191.	4.1	7
66	Assessment of Water Demand for Bioethanol Production from Biomass in China. , 0, , .		3