

Yizi shang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6430770/publications.pdf>

Version: 2024-02-01

66
papers

1,185
citations

393982

19
h-index

433756

31
g-index

67
all docs

67
docs citations

67
times ranked

1087
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Drivers of industrial water use during 2003-2012 in Tianjin, China: A structural decomposition analysis. <i>Journal of Cleaner Production</i> , 2017, 140, 1136-1147. | 4.6 | 55 |
| 5 | 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 |
| 6 | Decomposition methods for analyzing changes of industrial water use. <i>Journal of Hydrology</i> , 2016, 543, 808-817. | 2.3 | 46 |
| 7 | Beijing's Water Resources: Challenges and Solutions. <i>Journal of the American Water Resources Association</i> , 2015, 51, 614-623. | 1.0 | 41 |
| 8 | Potential assessment of optimizing energy structure in the city of carbon intensity target. <i>Applied Energy</i> , 2017, 194, 765-773. | 5.1 | 39 |
| 9 | 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 |
| 10 | 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 |
| 11 | Economic benefit analysis of joint operation of cascaded reservoirs. <i>Journal of Cleaner Production</i> , 2018, 179, 731-737. | 4.6 | 31 |
| 12 | Fuzzy Stress-based Modeling for Probabilistic Irrigation Planning Using Copula-NSPSO. <i>Water Resources Management</i> , 2021, 35, 4943-4959. | 1.9 | 30 |
| 13 | Temporal and spatial characteristics of pan evaporation trends and their attribution to meteorological drivers in the Three-River Source Region, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 6391-6408. | 1.2 | 27 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Transient flow control for an artificial open channel based on finite difference method. <i>Science China Technological Sciences</i> , 2011, 54, 781-792. | 2.0 | 19 |
| 22 | Causes of Variations in Sediment Yield in the Jinghe River Basin, China. <i>Scientific Reports</i> , 2020, 10, 18054. | 1.6 | 17 |
| 23 | 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 |
| 24 | China's environmental strategy towards reducing deep groundwater exploitation. <i>Environmental Earth Sciences</i> , 2016, 75, 1. | 1.3 | 15 |
| 25 | Flash flood early warning research in China. <i>International Journal of Water Resources Development</i> , 2018, 34, 369-385. | 1.2 | 15 |
| 26 | Influence of Daily Regulation of a Reservoir on Downstream Navigation. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, . | 0.8 | 14 |
| 27 | 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 |
| 28 | 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 |
| 29 | Improved ecological development model for lower Yellow River floodplain, China. <i>Water Science and Engineering</i> , 2020, 13, 275-285. | 1.4 | 13 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | Featured Collection Introduction: Water for Megacities " Challenges and Solutions. <i>Journal of the American Water Resources Association</i> , 2015, 51, 585-588. | 1.0 | 10 |
| 36 | Radiative Divertor Plasma Behavior in L- and H-Mode Discharges with Argon Injection in EAST. <i>Plasma Science and Technology</i> , 2013, 15, 614-618. | 0.7 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Improving Hilbertâ€“Huang transform for energy-correlation fluctuation in hydraulic engineering. Energy, 2018, 164, 1341-1350. | 4.5 | 9 |
| 38 | Performance of genetic algorithms with different selection operators for solving short-term optimized reservoir scheduling problem. Soft Computing, 2020, 24, 6771-6785. | 2.1 | 9 |
| 39 | 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 |
| 40 | Algorithm for Canal Gate Operation to Maintain Steady Water Levels Under Abrupt Water Withdrawal. Irrigation and Drainage, 2016, 65, 741-749. | 0.8 | 8 |
| 41 | Parameter identification for discharge formulas of radial gates based on measured data. Flow Measurement and Instrumentation, 2017, 58, 62-73. | 1.0 | 8 |
| 42 | A Modified Particle Filterâ€“Based Data Assimilation Method for a Highâ€“Precision 2â€“D Hydrodynamic Model Considering Spatialâ€“temporal Variability of Roughness: Simulation of Damâ€“Break Flood Inundation. Water Resources Research, 2019, 55, 6049-6068. | 1.7 | 8 |
| 43 | Internal Nitrogen Cycle in Macrophyte-Dominated Eutrophic Lakes: Mechanisms and Implications for Ecological Restoration. ACS ES&T Water, 2021, 1, 2359-2369. | 2.3 | 8 |
| 44 | Fault-tolerant mechanism of the distributed cluster computers. Tsinghua Science and Technology, 2007, 12, 186-191. | 4.1 | 7 |
| 45 | Analysis of changes in flood regime using a distributed hydrological model: a case study in the Second Songhua River basin, China. International Journal of Water Resources Development, 2018, 34, 386-404. | 1.2 | 7 |
| 46 | A REGULATION ALGORITHM FOR AUTOMATIC CONTROL OF CANAL SYSTEMS UNDER EMERGENCY CONDITIONS. Irrigation and Drainage, 2019, 68, 646-656. | 0.8 | 7 |
| 47 | Successful and sustainable governance of the lower Yellow River, China: A floodplain utilization approach for balancing ecological conservation and development. Environment, Development and Sustainability, 2022, 24, 3014-3038. | 2.7 | 7 |
| 48 | Fault-tolerant technique in the cluster computation of the digital watershed model. Tsinghua Science and Technology, 2007, 12, 162-168. | 4.1 | 6 |
| 49 | Research on Synergistic Development of Urbanization and Energy Consumption. Energy Procedia, 2017, 105, 3673-3676. | 1.8 | 6 |
| 50 | An approach to minimizing the uncertainty caused by sediment washing pretreatment in phosphorus adsorption experiments. Ecological Engineering, 2017, 107, 244-251. | 1.6 | 6 |
| 51 | Design and evaluation of control systems for a real canal. Science China Technological Sciences, 2012, 55, 142-154. | 2.0 | 5 |
| 52 | Assessment of the Tarim River basin water resources sustainable utilization based on entropy weight set pair theory. Water Science and Technology: Water Supply, 2019, 19, 908-917. | 1.0 | 5 |
| 53 | Parallel processing on block-based Gauss-Jordan algorithm for desktop grid. Computer Science and Information Systems, 2011, 8, 739-759. | 0.7 | 5 |
| 54 | Evaluation on Early Drought Warning System in the Jinghui Channel Irrigation Area. International Journal of Environmental Research and Public Health, 2020, 17, 374. | 1.2 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | THE EFFECTS OF RURAL DOMESTIC SEWAGE RECLAIMED WATER DRIP IRRIGATION ON CHARACTERISTICS OF RHIZOSPHERE SOIL. Applied Ecology and Environmental Research, 2017, 15, 1145-1155. | 0.2 | 3 |
| 58 | Assessment of Water Demand for Bioethanol Production from Biomass in China. , 0, , . | | 3 |
| 59 | Long-, Medium-, and Short-Term Nested Optimized-Scheduling Model for Cascade Hydropower Plants: Development and Practical Application. Water (Switzerland), 2022, 14, 1586. | 1.2 | 3 |
| 60 | Hierarchical prediction of industrial water demand based on refined Laspeyres decomposition analysis. Water Science and Technology, 2017, 76, 2876-2887. | 1.2 | 2 |
| 61 | 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. Journal of Hydrologic Engineering - ASCE, 2019, 24, 07019001. | 0.8 | 2 |
| 62 | Influencing Factor Identification of Industrial Water Use Changes in Tianjin and Their Impact Assessment. Energy Procedia, 2016, 88, 58-62. | 1.8 | 1 |
| 63 | Trust model for reliable node allocation based on daily computer usage behavior. Concurrency Computation Practice and Experience, 2018, 30, e4346. | 1.4 | 1 |
| 64 | Assessment of Urban Water Supply System Based on Query Optimization Strategy. Complexity, 2018, 2018, 1-10. | 0.9 | 1 |
| 65 | 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". Water Resources Research, 2020, 56, e2020WR027315. | 1.7 | 1 |
| 66 | The Importance of the Water-Energy Nexus for Emerging Countries When Moving Towards Below 2°C. Lecture Notes in Energy, 2018, , 347-369. | 0.2 | 0 |