# Yuanlai Cui

## List of Publications by Year
in descending order

| 59 | 1,283 | 331670 21 | 395702 33 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 60 | 60 | 60 | 1246 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
| 1 | Development and test of SWAT for modeling hydrological processes in irrigation districts with paddy rice. Journal of Hydrology, 2011, 396, 61-71. | 5.4 | 147 |
| 2 | Effect of irrigation method and N-fertilizer management on rice yield, water productivity and nutrient-use efficiencies in typical lowland rice conditions in China. Paddy and Water Environment, 2004, 2, 195-206. | 1.8 | 142 |
| 3 | Impacts of land use and land cover changes on regional climate in the Lhasa River basin, Tibetan Plateau. Science of the Total Environment, 2020, 742, 140570. | 8.0 | 58 |
| 4 | Short-term forecasting of daily reference evapotranspiration using the Penman-Monteith model and public weather forecasts. Agricultural Water Management, 2016, 177, 329-339. | 5.6 | 52 |
| 5 | Test study of the optimal design for hydraulic performance and treatment performance of free water surface flow constructed wetland. Bioresource Technology, 2017, 238, 461-471. | 9.6 | 46 |
| 6 | Short-term forecasting of daily reference evapotranspiration using the reduced-set Penman-Monteith model and public weather forecasts. Agricultural Water Management, 2019, 211, 70-80. | 5.6 | 44 |
| 7 | Irrigation scheduling of paddy rice using short-term weather forecast data. Agricultural Water Management, 2019, 213, 714-723. | 5.6 | 43 |
| 8 | Using boosted tree regression and artificial neural networks to forecast upland rice yield under climate change in Sahel. Computers and Electronics in Agriculture, 2019, 166, 105031. | 7.7 | 41 |
| 9 | Driving force analysis of irrigation water consumption using principal component regression analysis. Agricultural Water Management, 2020, 234, 106089. | 5.6 | 32 |
| 10 | Evaluation of six equations for daily reference evapotranspiration estimating using public weather forecast message for different climate regions across China. Agricultural Water Management, 2019, 222, 386-399. | 5.6 | 31 |
| 11 | Assessment of uncertainty and sensitivity analyses for ORYZA model under different ranges of parameter variation. European Journal of Agronomy, 2017, 91, 54-62. | 4.1 | 30 |
| 12 | Global sensitivity analysis of outputs over rice-growth process in ORYZA model. Environmental Modelling and Software, 2016, 83, 36-46. | 4.5 | 28 |
| 13 | Assessment of spatiotemporal variability of reference evapotranspiration and controlling climate factors over decades in China using geospatial techniques. Agricultural Water Management, 2019, 213, 499-511. | 5.6 | 28 |
| 14 | Tracer study of the hydraulic performance of constructed wetlands planted with three different aquatic plant species. Ecological Engineering, 2017, 102, 433-442. | 3.6 | 27 |
| 15 | Improved test to determine design parameters for optimization of free surface flow constructed wetlands. Bioresource Technology, 2019, 280, 199-212. | 9.6 | 27 |
| 16 | Reuse of return flows and its scale effect in irrigation systems based on modified SWAT model. Agricultural Water Management, 2019, 213, 280-288. | 5.6 | 27 |
| 17 | Analysis of alternative climate datasets and evapotranspiration methods for the Upper Mississippi River Basin using SWAT within HAWQS. Science of the Total Environment, 2020, 720, 137562. | 8.0 | 27 |
| 18 | Transport and transformation of water and nitrogen under different irrigation modes and urea application regimes in paddy fields. Agricultural Water Management, 2021, 255, 107024. | 5.6 | 25 |

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|---|---------|-----|-----------|
| 19 | Integrating Ecological Restoration of Agricultural Non-Point Source Pollution in Poyang Lake Basin in China. Water (Switzerland), 2017, 9, 745. | 2.7 | 24 |
| 20 | Influence of water management on the water cycle in a small watershed irrigation system based on a distributed hydrologic model. Agricultural Water Management, 2016, 174, 52-60. | 5.6 | 22 |
| 21 | Improvement and testing of SWAT for multi-source irrigation systems with paddy rice. Journal of Hydrology, 2019, 568, 1031-1041. | 5.4 | 22 |
| 22 | Web-based decision support system for canal irrigation management. Computers and Electronics in Agriculture, 2019, 161, 312-321. | 7.7 | 21 |
| 23 | Application of system dynamics approach for time varying water balance in aerobic paddy fields. Paddy and Water Environment, 2009, 7, 1-9. | 1.8 | 20 |
| 24 | Irrigation efficiency and water-saving potential considering reuse of return flow. Agricultural Water Management, 2019, 221, 519-527. | 5.6 | 20 |
| 25 | Hindcasting the effects of climate change on rice yields, irrigation requirements, and water productivity. Paddy and Water Environment, 2015, 13, 81-89. | 1.8 | 19 |
| 26 | Mapping paddy rice using Landsat time series data in the Ganfu Plain irrigation system, Southern China, from 1988â˜2017. International Journal of Remote Sensing, 2021, 42, 1556-1576. | 2.9 | 19 |
| 27 | Energy partitioning and evapotranspiration over a rotated paddy field in Southern China. Agricultural and Forest Meteorology, 2019, 276-277, 107626. | 4.8 | 18 |
| 28 | Comparison of the Generalized Likelihood Uncertainty Estimation and Markov Chain Monte Carlo Methods for Uncertainty Analysis of the ORYZA_V3 Model. Agronomy Journal, 2019, 111, 555-564. | 1.8 | 16 |
| 29 | Assessing forecasting performance of daily reference evapotranspiration using public weather forecast and numerical weather prediction. Journal of Hydrology, 2020, 590, 125547. | 5.4 | 16 |
| 30 | Comparison of evapotranspiration measurements between eddy covariance and lysimeters in paddy fields under alternate wetting and drying irrigation. Paddy and Water Environment, 2019, 17, 725-739. | 1.8 | 15 |
| 31 | Short-term forecasting of daily crop evapotranspiration using the â€˜$K_c$-ET$_o$â€™ approach and public weather forecasts. Archives of Agronomy and Soil Science, 2018, 64, 903-915. | 2.6 | 14 |
| 32 | Calibration and Validation of the Hargreavesâ€Samani Model for Reference Evapotranspiration Estimation in China. Irrigation and Drainage, 2019, 68, 822-836. | 1.7 | 14 |
| 33 | Identification of the Roles of Climate Factors, Engineering Construction, and Agricultural Practices in Vegetation Dynamics in the Lhasa River Basin, Tibetan Plateau. Remote Sensing, 2020, 12, 1883. | 4.0 | 14 |
| 34 | Study on nitrogen removal from rice paddy field drainage by interaction of plant species and hydraulic conditions in eco-ditches. Environmental Science and Pollution Research, 2019, 26, 6492-6502. | 5.3 | 12 |
| 35 | Short-term daily forecasting of crop evapotranspiration of rice using public weather forecasts. Paddy and Water Environment, 2018, 16, 397-410. | 1.8 | 10 |
| 36 | Impacts of the channel/barrier effect and three-dimensional climateâ€"A case study of rice water requirement and irrigation quota in Yunnan, China. Agricultural Water Management, 2019, 212, 317-327. | 5.6 | 10 |

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|---|---------|----|-----------| 
| 37 | Effects of water-saving irrigation on weed infestation and diversity in paddy fields in East China. Paddy and Water Environment, 2017, 15, 593-604. | 1.8 | 9 |
| 38 | Controlled Irrigation for Paddy Rice in China*. Irrigation and Drainage, 2020, 69, 61-74. | 1.7 | 9 |
| 39 | Effect of Watershed Delineation and Climate Datasets Density on Runoff Predictions for the Upper Mississippi River Basin Using SWAT within HAWQS. Water (Switzerland), 2021, 13, 422. | 2.7 | 9 |
| 40 | Local storages: the impact on hydrology and implications for policy making in irrigation systems. Water International, 2012, 37, 395-407. | 1.0 | 8 |
| 41 | Variations and Drivers of Methane Fluxes from Double-Cropping Paddy Fields in Southern China at Diurnal, Seasonal and Inter-Seasonal Timescales. Water (Switzerland), 2021, 13, 2171. | 2.7 | 8 |
| 42 | Utilizing artificial neural network to simulate and predict the hydraulic performance of free water surface constructed wetlands. Journal of Environmental Management, 2022, 305, 114334. | 7.8 | 8 |
| 43 | Machine learning exhibited excellent advantages in the performance simulation and prediction of free water surface constructed wetlands. Journal of Environmental Management, 2022, 309, 114694. | 7.8 | 8 |
| 44 | Regional water-saving potential calculation method for paddy rice based on remote sensing. Agricultural Water Management, 2022, 267, 107610. | 5.6 | 8 |
| 45 | Consistency analysis of the optimal combination of free water surface constructed wetland design optimization over different seasons. Ecological Engineering, 2020, 155, 105928. | 3.6 | 7 |
| 46 | Calculation framework for agricultural irrigation water consumption in multi-source irrigation systems. Agricultural Water Management, 2021, 244, 106603. | 5.6 | 7 |
| 47 | Spatial-Temporal Variation in Paddy Evapotranspiration in Subtropical Climate Regions Based on the SEBAL Model: A Case Study of the Ganfu Plain Irrigation System, Southern China. Remote Sensing, 2022, 14, 1201. | 4.0 | 7 |
| 48 | $CO_2$ fluxes over two paddy fields with different management practices in Southern China. Agricultural and Forest Meteorology, 2021, 310, 108650. | 4.8 | 6 |
| 49 | An exploration of plant characteristics for plant species selection in wetlands. Ecological Engineering, 2020, 143, 105674. | 3.6 | 5 |
| 50 | Spatial variability of irrigation factors and their relationships with â€œcorridor-barrierâ€·functions in the Longitudinal Range-Gorge Region. Science Bulletin, 2007, 52, 33-41. | 1.7 | 4 |
| 51 | Temporal and spatial changes of agricultural water requirements in the Lancang River Basin. Journal of Chinese Geography, 2012, 22, 441-450. | 3.9 | 4 |
| 52 | Response of solute transport model parameters to the combination of multiple design parameters and their quantitative expression with hydraulic indicators of FWS-constructed wetlands. Environmental Science and Pollution Research, 2020, 27, 43283-43295. | 5.3 | 3 |
| 53 | Climate changes in the Lhasa River basin, Tibetan Plateau: irrigation-induced cooling along with a warming trend. Theoretical and Applied Climatology, 2020, 140, 1043-1054. | 2.8 | 3 |
| 54 | Global sensitivity analysis and uncertainty analysis for drought stress parameters in the ORYZA (v3) model. Agronomy Journal, 2021, 113, 1407-1419. | 1.8 | 3 |

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| 55 | Assessment of water pollution in the Tibetan Plateau with contributions from agricultural and economic sectors: a case study of Lhasa River Basin. Environmental Science and Pollution Research, 2022, 29, 20617-20631. | 5.3 | 2 |
| 56 | Improvement and testing of ORYZA model water balance modules for alternate wetting and drying irrigation. Agricultural Water Management, 2022, 271, 107802. | 5.6 | 2 |
| 57 | Natural disaster risk communication-understandings, framework, targets and challenges. , 2012, , . | | 1 |
| 58 | Spatio-temporal Analysis in Land Use Change and Its Application in Lijiang Region. , 2010, , . | | 0 |
| 59 | The Design and Implement of Marine Remote Sensing Multidimensional Dynamic Visualization System Based on COM. , 2010, , . | | 0 |