

# Wen-Ping Tsai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4175795/publications.pdf>

Version: 2024-02-01

20  
papers

888  
citations

623734

14  
h-index

752698

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1019  
citing authors

#	ARTICLE	IF	CITATIONS
1	HESS Opinions: Incubating deep-learning-powered hydrologic science advances as a community. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 5639-5656.	4.9	169
2	From Hydrometeorology to River Water Quality: Can a Deep Learning Model Predict Dissolved Oxygen at the Continental Scale?. <i>Environmental Science &amp; Technology</i> , 2021, 55, 2357-2368.	10.0	116
3	Exploring synergistic benefits of Water-Food-Energy Nexus through multi-objective reservoir optimization schemes. <i>Science of the Total Environment</i> , 2018, 633, 341-351.	8.0	87
4	A data-mining framework for exploring the multi-relation between fish species and water quality through self-organizing map. <i>Science of the Total Environment</i> , 2017, 579, 474-483.	8.0	71
5	AI techniques for optimizing multi-objective reservoir operation upon human and riverine ecosystem demands. <i>Journal of Hydrology</i> , 2015, 530, 634-644.	5.4	70
6	From calibration to parameter learning: Harnessing the scaling effects of big data in geoscientific modeling. <i>Nature Communications</i> , 2021, 12, 5988.	12.8	68
7	Transferring Hydrologic Data Across Continents – Leveraging Data-Rich Regions to Improve Hydrologic Prediction in Data-Sparse Regions. <i>Water Resources Research</i> , 2021, 57, e2020WR028600.	4.2	56
8	Modelling Intelligent Water Resources Allocation for Multi-users. <i>Water Resources Management</i> , 2016, 30, 1395-1413.	3.9	41
9	Assessing the ecological hydrology of natural flow conditions in Taiwan. <i>Journal of Hydrology</i> , 2008, 354, 75-89.	5.4	36
10	A self-organizing radial basis network for estimating riverine fish diversity. <i>Journal of Hydrology</i> , 2013, 476, 280-289.	5.4	31
11	Assessing the natural and anthropogenic influences on basin-wide fish species richness. <i>Science of the Total Environment</i> , 2016, 572, 825-836.	8.0	22
12	Explore the relationship between fish community and environmental factors by machine learning techniques. <i>Environmental Research</i> , 2020, 184, 109262.	7.5	19
13	Defining the ecological hydrology of Taiwan Rivers using multivariate statistical methods. <i>Journal of Hydrology</i> , 2009, 376, 235-242.	5.4	18
14	Identifying natural flow regimes using fish communities. <i>Journal of Hydrology</i> , 2011, 409, 328-336.	5.4	14
15	Exploring the Mechanism of Surface and Ground Water through Data-Driven Techniques with Sensitivity Analysis for Water Resources Management. <i>Water Resources Management</i> , 2016, 30, 4789-4806.	3.9	13
16	Exploring the ecological response of fish to flow regime by soft computing techniques. <i>Ecological Engineering</i> , 2016, 87, 9-19.	3.6	13
17	Drought mitigation under urbanization through an intelligent water allocation system. <i>Agricultural Water Management</i> , 2019, 213, 87-96.	5.6	13
18	Identifying the Sensitivity of Ensemble Streamflow Prediction by Artificial Intelligence. <i>Water (Switzerland)</i> , 2018, 10, 1341.	2.7	10

#	ARTICLE	IF	CITATIONS
19	Signals of stream fish homogenization revealed by AI-based clusters. <i>Scientific Reports</i> , 2018, 8, 15960.	3.3	10
20	Modeling and Investigating the Mechanisms of Groundwater Level Variation in the Jhuoshui River Basin of Central Taiwan. <i>Water (Switzerland)</i> , 2019, 11, 1554.	2.7	7