

Thanh Duc Dang

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,334
citations

361413

20
h-index

361022

35
g-index

52
all docs

52
docs citations

52
times ranked

1326
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydropower dams of the Mekong River basin: A review of their hydrological impacts. <i>Journal of Hydrology</i> , 2019, 568, 285-300.	5.4	247
2	Deep learning convolutional neural network in rainfall-runoff modelling. <i>Journal of Hydroinformatics</i> , 2020, 22, 541-561.	2.4	109
3	Hydrological alterations from water infrastructure development in the Mekong floodplains. <i>Hydrological Processes</i> , 2016, 30, 3824-3838.	2.6	91
4	Future hydrological alterations in the Mekong Delta under the impact of water resources development, land subsidence and sea level rise. <i>Journal of Hydrology: Regional Studies</i> , 2018, 15, 119-133.	2.4	77
5	On the representation of water reservoir storage and operations in large-scale hydrological models: implications on model parameterization and climate change impact assessments. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 397-416.	4.9	70
6	Improving the Resolution of GRACE Data for Spatio-Temporal Groundwater Storage Assessment. <i>Remote Sensing</i> , 2021, 13, 3513.	4.0	53
7	An automatic water detection approach using Landsat 8 OLI and Google Earth Engine cloud computing to map lakes and reservoirs in New Zealand. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 235.	2.7	52
8	Evaluating the predictive power of different machine learning algorithms for groundwater salinity prediction of multi-layer coastal aquifers in the Mekong Delta, Vietnam. <i>Ecological Indicators</i> , 2021, 127, 107790.	6.3	49
9	Solar energy and regional coordination as a feasible alternative to large hydropower in Southeast Asia. <i>Nature Communications</i> , 2021, 12, 4159.	12.8	44
10	Maintaining perspective of ongoing environmental change in the Mekong floodplains. <i>Current Opinion in Environmental Sustainability</i> , 2019, 37, 1-7.	6.3	41
11	Sediment transport and morphodynamical modeling on the estuaries and coastal zone of the Vietnamese Mekong Delta. <i>Continental Shelf Research</i> , 2019, 186, 64-76.	1.8	40
12	Downscaling rainfall using deep learning long short-term memory and feedforward neural network. <i>International Journal of Climatology</i> , 2019, 39, 4170-4188.	3.5	38
13	Dam failure and a catastrophic flood in the Mekong basin (Bolaven Plateau), southern Laos, 2018. <i>Geomorphology</i> , 2020, 362, 107221.	2.6	38
14	Mapping vegetation types in semi-arid riparian regions using random forest and object-based image approach: A case study of the Colorado River Ecosystem, Grand Canyon, Arizona. <i>Ecological Informatics</i> , 2019, 50, 43-50.	5.2	37
15	Hydrogeochemical characteristics of a multi-layered coastal aquifer system in the Mekong Delta, Vietnam. <i>Environmental Geochemistry and Health</i> , 2020, 42, 661-680.	3.4	36
16	The Greater Mekong's Climate-Water-Energy Nexus: How ENSO Triggered Regional Droughts Affect Power Supply and CO ₂ Emissions. <i>Earth's Future</i> , 2021, 9, e2020EF001814.	6.3	36
17	A software package for the representation and optimization of water reservoir operations in the VIC hydrologic model. <i>Environmental Modelling and Software</i> , 2020, 126, 104673.	4.5	33
18	Expected Benefits of Laos's Hydropower Development Curbed by Hydroclimatic Variability and Limited Transmission Capacity: Opportunities to Reform. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	2.6	27

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19	ANN optimized by PSO and Firefly algorithms for predicting scour depths around bridge piers. <i>Engineering With Computers</i> , 2021, 37, 293-303.	6.1	27
20	Improved Rainfall Prediction Using Combined Pre-Processing Methods and Feed-Forward Neural Networks. <i>J</i> , 2019, 2, 65-83.	0.9	25
21	Quantifying suspended sediment dynamics in mega deltas using remote sensing data: A case study of the Mekong floodplains. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 68, 105-115.	2.8	16
22	Stable isotope characteristics of water resources in the coastal area of the Vietnamese Mekong Delta. <i>Isotopes in Environmental and Health Studies</i> , 2019, 55, 566-587.	1.0	15
23	Accounting for Uncertainty and Reconstruction of Flooding Patterns Based on Multi-Satellite Imagery and Support Vector Machine Technique: A Case Study of Can Tho City, Vietnam. <i>Water (Switzerland)</i> , 2020, 12, 1543.	2.7	15
24	Spatiotemporal Trend Analysis of Precipitation Extremes in Ho Chi Minh City, Vietnam During 1980â€“2017. <i>International Journal of Disaster Risk Science</i> , 2021, 12, 131-146.	2.9	15
25	Intensified salinity intrusion in coastal aquifers due to groundwater overextraction: a case study in the Mekong Delta, Vietnam. <i>Environmental Science and Pollution Research</i> , 2022, 29, 8996-9010.	5.3	13
26	Monitoring mangrove association changes in the Can Gio biosphere reserve and implications for management. <i>Remote Sensing Applications: Society and Environment</i> , 2019, 13, 298-305.	1.5	12
27	Application of Sentinel-1 data in mapping land-use and land cover in a complex seasonal landscape: a case study in coastal area of Vietnamese Mekong Delta. <i>Geocarto International</i> , 2022, 37, 3743-3760.	3.5	12
28	Satellite observations reveal 13 years of reservoir filling strategies, operating rules, and hydrological alterations in the Upper Mekong River basin. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 2345-2364.	4.9	12
29	PowNet: A Network-Constrained Unit Commitment/Economic Dispatch Model for Large-Scale Power Systems Analysis. <i>Journal of Open Research Software</i> , 2020, 8, 5.	5.9	11
30	Moving towards sustainable coastal adaptation: Analysis of hydrological drivers of saltwater intrusion in the Vietnamese Mekong Delta. <i>Science of the Total Environment</i> , 2021, 770, 145125.	8.0	10
31	Groundwater quality evaluation and health risk assessment in coastal lowland areas of the Mekong Delta, Vietnam. <i>Groundwater for Sustainable Development</i> , 2021, 15, 100679.	4.6	10
32	Morphological change assessment from intertidal to river-dominated zones using multiple-satellite imagery: A case study of the Vietnamese Mekong Delta. <i>Regional Studies in Marine Science</i> , 2020, 34, 101087.	0.7	8
33	Waterâ€“Foodâ€“Energy Nexus in the Context of Climate Change: Developing a Water Security Index for Water Resource Management in Vietnam. , 2022, , 611-629.		2
34	Livelihood of ethnic minorities and sustainable development of buffer zones: a case study of the Chu Yang Sing National Park, the Central Highlands of Vietnam. <i>International Journal of Sustainable Development</i> , 2019, 22, 41.	0.2	1
35	Comparison of combination of dimensionality reduction and classification techniques for identifying tree species using integrated QuickBird imagery and Lidar data. <i>Journal of Applied Remote Sensing</i> , 2019, 13, 1.	1.3	1
36	Assessments of Climate Change and Sea Level Rise Impacts on Flows and Saltwater Intrusion in the Vu Gia - Thu Bon River Basin, Vietnam. , 2020, , 1367-1374.		1

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37	Livelihood of ethnic minorities and sustainable development of buffer zones: a case study of the Chu Yang Sing National Park, the Central Highlands of Vietnam. International Journal of Sustainable Development, 2019, 22, 41.	0.2	0