Thanh Duc Dang

List of Publications by Year
in descending order

37 papers	1,334 citations	20 h-index	35 g-index
		361413	361022

52 all docs	52 docs citations	52 times ranked	1326 citing authors

#	ARTICLE	IF	CITATIONS
1	Intensified salinity intrusion in coastal aquifers due to groundwater overextraction: a case study in the Mekong Delta, Vietnam. Environmental Science and Pollution Research, 2022, 29, 8996-9010.	5.3	13
2	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. Geocarto International, 2022, 37, 3743-3760.	3.5	12
3	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
4	Satellite observations reveal 13 years of reservoir filling strategies, operating rules, and hydrological alterations in the Upper Mekong River basin. Hydrology and Earth System Sciences, 2022, 26, 2345-2364.	4.9	12
5	Spatiotemporal Trend Analysis of Precipitation Extremes in Ho Chi Minh City, Vietnam During 1980â€"2017. International Journal of Disaster Risk Science, 2021, 12, 131-146.	2.9	15
6	ANN optimized by PSO and Firefly algorithms for predicting scour depths around bridge piers. Engineering With Computers, 2021, 37, 293-303.	6.1	27
7	The Greater Mekong's Climateâ€"Waterâ€"Energy Nexus: How ENSOâ€"Triggered Regional Droughts Affect Power Supply and CO_2 Emissions. Earth's Future, 2021, 9, e2020EF001814.	6.3	36
8	Moving towards sustainable coastal adaptation: Analysis of hydrological drivers of saltwater intrusion in the Vietnamese Mekong Delta. Science of the Total Environment, 2021, 770, 145125.	8.0	10
9	Solar energy and regional coordination as a feasible alternative to large hydropower in Southeast Asia. Nature Communications, 2021, 12, 4159.	12.8	44
10	Evaluating the predictive power of different machine learning algorithms for groundwater salinity prediction of multi-layer coastal aquifers in the Mekong Delta, Vietnam. Ecological Indicators, 2021, 127, 107790.	6.3	49
11	Improving the Resolution of GRACE Data for Spatio-Temporal Groundwater Storage Assessment. Remote Sensing, 2021, 13, 3513.	4.0	53
12	Groundwater quality evaluation and health risk assessment in coastal lowland areas of the Mekong Delta, Vietnam. Groundwater for Sustainable Development, 2021, 15, 100679.	4.6	10
13	Hydrogeochemical characteristics of a multi-layered coastal aquifer system in the Mekong Delta, Vietnam. Environmental Geochemistry and Health, 2020, 42, 661-680.	3.4	36
14	Expected Benefits of Laosâ€™ Hydropower Development Curbed by Hydroclimatic Variability and Limited Transmission Capacity: Opportunities to Reform. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	2.6	27
15	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. Water (Switzerland), 2020, 12, 1543.	2.7	15
16	A software package for the representation and optimization of water reservoir operations in the VIC hydrologic model. Environmental Modelling and Software, 2020, 126, 104673.	4.5	33
17	Morphological change assessment from intertidal to river-dominated zones using multiple-satellite imagery: A case study of the Vietnamese Mekong Delta. Regional Studies in Marine Science, 2020, 34, 101087.	0.7	8
18	On the representation of water reservoir storage and operations in large-scale hydrological models: implications on model parameterization and climate change impact assessments. Hydrology and Earth System Sciences, 2020, 24, 397-416.	4.9	70

#	Article	IF	Citations
19	Dam failure and a catastrophic flood in the Mekong basin (Bolaven Plateau), southern Laos, 2018. Geomorphology, 2020, 362, 107221.	2.6	38
20	Deep learning convolutional neural network in rainfall–runoff modelling. Journal of Hydroinformatics, 2020, 22, 541-561.	2.4	109
21	PowNet: A Network-Constrained Unit Commitment/Economic Dispatch Model for Large-Scale Power Systems Analysis. Journal of Open Research Software, 2020, 8, 5.	5.9	11
22	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
23	Sediment transport and morphodynamical modeling on the estuaries and coastal zone of the Vietnamese Mekong Delta. Continental Shelf Research, 2019, 186, 64-76.	1.8	40
24	Stable isotope characteristics of water resources in the coastal area of the Vietnamese Mekong Delta. Isotopes in Environmental and Health Studies, 2019, 55, 566-587.	1.0	15
25	An automatic water detection approach using Landsat 8 OLI and Google Earth Engine cloud computing to map lakes and reservoirs in New Zealand. Environmental Monitoring and Assessment, 2019, 191, 235.	2.7	52
26	Maintaining perspective of ongoing environmental change in the Mekong floodplains. Current Opinion in Environmental Sustainability, 2019, 37, 1-7.	6.3	41
27	Downscaling rainfall using deep learning long short–term memory and feedforward neural network. International Journal of Climatology, 2019, 39, 4170-4188.	3.5	38
28	Improved Rainfall Prediction Using Combined Pre-Processing Methods and Feed-Forward Neural Networks. J, 2019, 2, 65-83.	0.9	25
29	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	1
30	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. Ecological Informatics, 2019, 50, 43-50.	5.2	37
31	Monitoring mangrove association changes in the Can Gio biosphere reserve and implications for management. Remote Sensing Applications: Society and Environment, 2019, 13, 298-305.	1.5	12
32	Hydropower dams of the Mekong River basin: A review of their hydrological impacts. Journal of Hydrology, 2019, 568, 285-300.	5.4	247
33	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
34	Comparison of combination of dimensionality reduction and classification techniques for identifying tree species using integrated QuickBird imagery and Lidar data. Journal of Applied Remote Sensing, 2019, 13, 1.	1.3	1
35	Future hydrological alterations in the Mekong Delta under the impact of water resources development, land subsidence and sea level rise. Journal of Hydrology: Regional Studies, 2018, 15, 119-133.	2.4	77
36	Quantifying suspended sediment dynamics in mega deltas using remote sensing data: A case study of the Mekong floodplains. International Journal of Applied Earth Observation and Geoinformation, 2018, 68, 105-115.	2.8	16

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37	Hydrological alterations from water infrastructure development in the Mekong floodplains. Hydrological Processes, 2016, 30, 3824-3838.	2.6	91