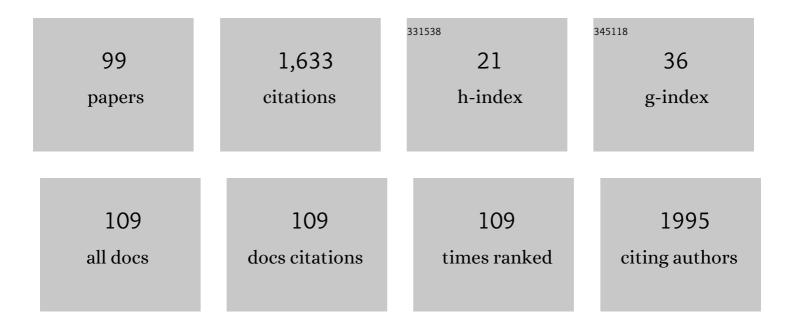
Z Jason Hou

List of Publications by Year in descending order

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7 IASON HOLL

1 Modeling framework for evoluting the impacts of hydrodynamic pressure on hydrodogic exchange Modeling and Software, 2022, 148, 105277. 19 2 Datasets for characterizing extreme events relevant to hydrologic design over the conterminous 2.4 3 Modeling of streamflow in a 304K-kem long reach spanning 5 years using OpenFOAM 5.x. Geoscientific 1.3 4 Inverse Modeling of Hydrologic Parameters in CLM4 via Ceneralized Polynomial Chaos in the Bayesian Framework. Computation, 2022, 10, 727. 1.0 5 Smart Sampling for Reduced and Representative Power System Scenario Selection. IEEE Open Access 2.5 6 Machine Learning Analysis of Hydrologic Exchange Flows and Transit Time Distributions in a Large Regulated River. Frontiers in Artificial Intelligence, 2021, 4, 648071. 1.8 7 Deep Learning for Automated Detection and Identification of Migrating American Eel Anguila 1.8 8 Scale-dependent spatial variabilities of hydrological exchange flows and transit time in a large regulated river. Journal of Hydrological parametors in Receiver, 2021, 15, 2671. 2.9 10 Improving prediction of surface solar irradiunce variability by integrating observed cloud characteristics and machine learning. Solar Energy, 2021, 225, 275-285. 2.9 11 Involved Data-Drube Distributed Learning Framework for Solving AC Power Flow for Large Interconceted Systems. ELE Open Access Journal of Power and Energy. 2020, 12, 2152-222. 2.5	#	Article	IF	CITATIONS
2 United States. Scientific Data, 2022, 9, 154. 24 3 Modeling of streamflow in a 30&E%s km long reach spanning 5 years using OpenFOAM 5.x. Geoscientific 1.3 4 Inverse Modeling of Hydrologic Parameters in CLM4 via Generalized Polynomial Chaos in the Bayesian 1.0 5 Smart Sampling for Reduced and Representative Power System Scenario Selection. IEEE Open Access 2.5 9 Machine Learning Analysis of Hydrologic Exchange Flows and Transit Time Distributions in a Large 2.0 7 Deep Learning for Automated Detection and Identification of Migrating American Ecl Anguilla 1.4 8 Scale-dependent spatial variabilities of hydrological exchange flows and transit time in a large 2.3 9 Antowic construct for scaling groundwatera?//wei interactions based on machine guided 2.2 10 Improving prediction of surface solar irradiance variability by integrating observed cloud 2.2 11 Improving prediction of surface solar irradiance variability by integrating observed cloud 2.9 12 Evaluating mexist@generation intensity3C ⁴ /duration3C ⁴ /Frequency curves for design flood estimates in the snow&Geominated western United States. Hydrologic Processes, 2020, 34, 1255-1268. 1.1 10 Improving prediction of surface solar irradiance variability by integrating observed cloud estinates in the snow&Geominated western United	1	fluxes and residence time for a large-scale river section over a long-term period. Environmental	1.9	2
3 Model Development, 2022, 15, 2217-2947. L3 4 Inverse Modeling of Hydrologic Parameters in CLM4 via Generalized Polynomial Chaos in the Bayesian Framework. Computation, 2022, 10, 72. 10 5 Smart Sampling for Reduced and Representative Power System Scenario Selection. IEEE Open Access Journal of Power and Energy, 2021, 8, 293-302. 2.5 6 Machine Learning Analysis of Hydrologic Exchange Flows and Transit Time Distributions in a Large Regulated River. Frontiers in Artificial Intelligence, 2021, 4, 648071. 2.0 7 Deep Learning for Automated Detection and Identification of Migrating American Eel Anguilla regulated Areer. Journal of Hydrology, 2021, 198, 126283. 1.8 8 Scale-dependent spatial variabilities of hydrological exchange flows and transit time in a large regulated Areer. Journal of Hydrology, 2021, 198, 126283. 2.3 9 A novel construct for scaling groundwatera?C'inver interactions based on machine guided hydronorphic classification. Environmental Research Letters, 2021, 16, 104015. 2.2 10 Improving prediction of surface solar Irradiance variability by Integrating observed cloud characteristics and machine learning. Solar Energy, 2021, 255, 275-285. 2.9 11 Novel Data-Driven Distributed Learning Framework for Solving AC Power Flow for Large Interconnected Systems. IEEE Open Access Journal of Power and Energy, 2021, 8, 281-292. 1.2 12 Evaluating nextaEgeneration intensityAC'durationAE'' frequency curves	2		2.4	5
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Journal of Power and Energy, 2021, 8, 293-302. 2.0 Machine Learning Analysis of Hydrologic Exchange Flows and Transit Time Distributions in a Large Regulated River. Frontiers in Artificial Intelligence, 2021, 4, 648071. 2.0 Deep Learning for Automated Detection and Identification of Migrating American Ecl Anguilla rostrata from Imaging Sonar Data. Remote Sensing, 2021, 13, 2671. 1.8 Scale-dependent spatial variabilities of hydrological exchange flows and transit time in a large regulated river. Journal of Hydrology, 2021, 598, 126283. 2.3 Anovel construct for scaling groundwateràCriver interactions based on machine-guided hydromorphic classification. Environmental Research Letters, 2021, 16, 104016. 2.2 Improving prediction of surface solar irradiance variability by integrating observed cloud characteristics and machine learning. Solar Energy, 2021, 225, 275-285. 2.9 Novel Data-Driven Distributed Learning Framework for Solving AC Power Flow for Large Interconnected Systems. IEEE Open Access Journal of Power and Energy, 2021, 8, 281-292. 2.5 Evaluating nextã/Egeneration intensityãCr/durationãC'frequency curves for design flood estimates in the snow&cdominated western United States. Hydrological Processes, 2020, 34, 1255-1268. 1.1 Power System Event Classification and Localization Using a Convolutional Neural Network. Frontiers 1.2 High-Performance Simulation of Dynamic Hydrologic Exchange and Implications for Surrogate Flow and Reactive Transport Modeling in a Large River Corridor. Frontiers in Water, 2020, 2, . 1.0	4		1.0	1
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7 rostrata from Imaging Sonar Data. Remote Sensing, 2021, 13, 2671. 13 8 Scale-dependent spatial variabilities of hydrological exchange flows and transit time in a large regulated river. Journal of Hydrology, 2021, 598, 126283. 2.3 9 A novel construct for scaling groundwateråC*river interactions based on machine-guided hydromorphic classification. Environmental Research Letters, 2021, 16, 104016. 2.2 10 Improving prediction of surface solar irradiance variability by integrating observed cloud characteristics and machine learning. Solar Energy, 2021, 225, 275-285. 2.9 11 Novel Data-Driven Distributed Learning Framework for Solving AC Power Flow for Large interconnected Systems. IEEE Open Access Journal of Power and Energy, 2021, 8, 281-292. 2.5 12 Evaluating nextàGeneration intensityàC*durationàC*frequency curves for design flood estimates in the snowäGdominated western United States. Hydrological Processes, 2020, 34, 1255-1268. 1.1 13 Power System Event Classification and Localization Using a Convolutional Neural Network. Frontiers in Energy Research, 2020, 8, . 1.2 14 High-Performance Simulation of Dynamic Hydrologic Exchange and Implications for Surrogate Flow and Reactive Transport Modeling in a Large River Corridor. Frontiers in Water, 2020, 2, . 1.0 15 Floodplain Inundation and Salinization From a Recently Restored FirstàCorder Tidal Stream. Water Plains. Journal of Climate, 2020, 93, 3947-3966. 1.2 17	6	Machine Learning Analysis of Hydrologic Exchange Flows and Transit Time Distributions in a Large Regulated River. Frontiers in Artificial Intelligence, 2021, 4, 648071.	2.0	10
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* hydromorphic classification. Environmental Research Letters, 2021, 16, 104016. 2.2 10 Improving prediction of surface solar irradiance variability by integrating observed cloud characteristics and machine learning. Solar Energy, 2021, 225, 275-285. 2.9 11 Novel Data-Driven Distributed Learning Framework for Solving AC Power Flow for Large Interconnected Systems. IEEE Open Access Journal of Power and Energy, 2021, 8, 281-292. 2.5 12 Evaluating nextã€generation intensity〓duration〓frequency curves for design flood estimates in the snowã€dominated western United States. Hydrological Processes, 2020, 34, 1255-1268. 1.1 13 Power System Event Classification and Localization Using a Convolutional Neural Network. Frontiers in Energy Research, 2020, 8, . 1.0 14 High-Performance Simulation of Dynamic Hydrologic Exchange and Implications for Surrogate Flow and Reactive Transport Modeling in a Large River Corridor. Frontiers in Water, 2020, 2, . 1.0 15 Floodplain Inundation and Salinization From a Recently Restored Firstã€Order Tidal Stream. Water Plains. Journal of Climate, 2020, 33, 3947-3966. 1.2 17 Bridging the Cap between Laboratory and Field Experiments in American Eel Detection Using Transfer Learning and Convolutional Neural Network. , 2020, . 1.0 18 Spatial Mapping of Riverbed Grain-Size Distribution Using Machine Learning. Frontiers in Water, 2020, . 1.0	8	Scale-dependent spatial variabilities of hydrological exchange flows and transit time in a large regulated river. Journal of Hydrology, 2021, 598, 126283.	2.3	3
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14 and Reactive Transport Modeling in a Large River Corridor. Frontiers in Water, 2020, 2, . 1.0 15 Floodplain Inundation and Salinization From a Recently Restored Firstâ€Order Tidal Stream. Water 1.7 15 Floodplain Inundation and Salinization From a Recently Restored Firstâ€Order Tidal Stream. Water 1.7 16 Understanding Hailstone Temporal Variability and Contributing Factors over the U.S. Southern Great 1.2 16 Bridging the Gap between Laboratory and Field Experiments in American Eel Detection Using Transfer 1.2 17 Bridging the Gap between Laboratory and Field Experiments in American Eel Detection Using Transfer 1.2 18 Spatial Mapping of Riverbed Grain-Size Distribution Using Machine Learning. Frontiers in Water, 2020, 10 10	13		1.2	20
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26	Machine Learning of Commercial and Residential Load Components in the Northwestern United States. , 2019, , .		0
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32	Enhancing Hydrologic Design by Next-Generation Intensity-Duration-Frequency Curves Considering Snowmelt and Climate Nonstationarity. , 2019, , .		1
33	Update of Residential Load Profile for WECC Load Composition Model Using Cross-Correlation Method. , 2019, , .		0
34	Integrating Hybrid-Clustering and Localized Regression for Time Synchronization of a Hierarchical Underwater Acoustic Sensor Array. , 2019, , .		2
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38	Observed Spatiotemporal Changes in the Mechanisms of Extreme Water Available for Runoff in the Western United States. Geophysical Research Letters, 2019, 46, 767-775.	1.5	26
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41	Improving BA Control Performance Through Advanced Regulation Requirements Prediction. , 2018, , .		3
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52	Analysis of a Complex Faulted CO2 Reservoir Using a Three-dimensional Hydro-geochemical-Mechanical Approach. Energy Procedia, 2017, 114, 3496-3506.	1.8	2
53	Bayesian inversion of seismic and electromagnetic data for marine gas reservoir characterization using multi-chain Markov chain Monte Carlo sampling. Journal of Applied Geophysics, 2017, 147, 68-80.	0.9	9
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69	On Approaches to Analyze the Sensitivity of Simulated Hydrologic Fluxes to Model Parameters in the Community Land Model. Water (Switzerland), 2015, 7, 6810-6826.	1.2	3
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77	The robust dynamical contribution to precipitation extremes in idealized warming simulations across model resolutions. Geophysical Research Letters, 2014, 41, 2971-2978.	1.5	29
78	An Uncertainty Quantification Framework for Studying the Effect of Spatial Heterogeneity in Reservoir Permeability on CO2 Sequestration. Mathematical Geosciences, 2013, 45, 799-817.	1.4	10
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