

Pengfei Shi

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

934
citations

516681

16
h-index

477281

29
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52
all docs

52
docs citations

52
times ranked

972
citing authors

#	ARTICLE	IF	CITATIONS
1	A Dynamic Bioinspired Neural Network Based Real-Time Path Planning Method for Autonomous Underwater Vehicles. <i>Computational Intelligence and Neuroscience</i> , 2017, 2017, 1-16.	1.7	165
2	Analysis of multi-dimensional hydrological alterations under climate change for four major river basins in different climate zones. <i>Climatic Change</i> , 2017, 141, 483-498.	3.6	81
3	Development of a new IHA method for impact assessment of climate change on flow regime. <i>Global and Planetary Change</i> , 2017, 156, 68-79.	3.5	71
4	An improved approach for water quality evaluation: TOPSIS-based informative weighting and ranking (TIWR) approach. <i>Ecological Indicators</i> , 2018, 89, 356-364.	6.3	54
5	Thermal conversion of polypyrrole nanotubes to nitrogen-doped carbon nanotubes for efficient water desalination using membrane capacitive deionization. <i>Separation and Purification Technology</i> , 2020, 235, 116196.	7.9	45
6	R-MSFM: Recurrent Multi-Scale Feature Modulation for Monocular Depth Estimating. , 2021, , .		45
7	A detection and classification approach for underwater dam cracks. <i>Structural Health Monitoring</i> , 2016, 15, 541-554.	7.5	37
8	Impacts of climate change on flow regime and sequential threats to riverine ecosystem in the source region of the Yellow River. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	34
9	How do the multiple large-scale climate oscillations trigger extreme precipitation?. <i>Global and Planetary Change</i> , 2017, 157, 48-58.	3.5	32
10	Understanding the discharge regime of a glacierized alpine catchment in the Tianshan Mountains using an improved HBV-D hydrological model. <i>Global and Planetary Change</i> , 2019, 172, 211-222.	3.5	31
11	A novel automatic dam crack detection algorithm based on local-global clustering. <i>Multimedia Tools and Applications</i> , 2018, 77, 26581-26599.	3.9	28
12	Spatio-temporal changes of precipitation and temperature over the Pearl River basin based on CMIP5 multi-model ensemble. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 1077-1089.	4.0	26
13	A probabilistic method for streamflow projection and associated uncertainty analysis in a data sparse alpine region. <i>Global and Planetary Change</i> , 2018, 165, 100-113.	3.5	26
14	A novel underwater dam crack detection and classification approach based on sonar images. <i>PLoS ONE</i> , 2017, 12, e0179627.	2.5	24
15	Large-scale climate patterns and precipitation in an arid endorheic region: linkage and underlying mechanism. <i>Environmental Research Letters</i> , 2016, 11, 044006.	5.2	20
16	An Improved Real-Time Path Planning Method Based on Dragonfly Algorithm for Heterogeneous Multi-Robot System. <i>IEEE Access</i> , 2020, 8, 140558-140568.	4.2	19
17	An Improved DSA-Based Approach for Multi-AUV Cooperative Search. <i>Computational Intelligence and Neuroscience</i> , 2018, 2018, 1-13.	1.7	17
18	Underwater Biological Detection Algorithm Based on Improved Faster-RCNN. <i>Water (Switzerland)</i> , 2021, 13, 2420.	2.7	15

#	ARTICLE	IF	CITATIONS
19	Evaluating the area and position accuracy of surface water paths obtained by flow direction algorithms. <i>Journal of Hydrology</i> , 2020, 583, 124619.	5.4	14
20	A revised range of variability approach considering the morphological alteration of hydrological indicators. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021, 35, 1783-1803.	4.0	12
21	An Improved Attention-Based Integrated Deep Neural Network for PM2.5 Concentration Prediction. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4001.	2.5	12
22	The response of runoff components and glacier mass balance to climate change for a glaciated high-mountainous catchment in the Tianshan Mountains. <i>Natural Hazards</i> , 2020, 104, 1239-1258.	3.4	11
23	Prospective scenarios of the saltwater intrusion in an estuary under climate change context using Bayesian neural networks. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 981-991.	4.0	10
24	Urban water consumption in a rapidly developing flagship megacity of South China: prospective scenarios and implications. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013, 27, 1359-1370.	4.0	9
25	A Thermal Infrared and Visible Images Fusion Based Approach for Multitarget Detection under Complex Environment. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-11.	1.1	9
26	Application of Bee Evolutionary Genetic Algorithm to Maximum Likelihood Direction-of-Arrival Estimation. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-11.	1.1	7
27	Remote Sensing Image Object Detection Based on Angle Classification. <i>IEEE Access</i> , 2021, 9, 118696-118707.	4.2	7
28	A novel sonar target detection and classification algorithm. <i>Multimedia Tools and Applications</i> , 2022, 81, 10091-10106.	3.9	7
29	Probabilistic modeling and uncertainty estimation of urban water consumption under an incompletely informational circumstance. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016, 30, 725-736.	4.0	6
30	Rainfallâ€“Runoff Processes and Modelling in Regions Characterized by Deficiency in Soil Water Storage. <i>Water (Switzerland)</i> , 2019, 11, 1858.	2.7	6
31	Assessing the Precision of Total Contributing Area (TCA) Estimated by Flow Direction Algorithms Based on the Analytical Solution of Theoretical TCA on Synthetic Surfaces. <i>Water Resources Research</i> , 2021, 57, e2020WR028546.	4.2	6
32	An Improved Transfer Learning Model for Cyanobacterial Bloom Concentration Prediction. <i>Water (Switzerland)</i> , 2022, 14, 1300.	2.7	6
33	An Improved Kernelized Correlation Filter Based Visual Tracking Method. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-12.	1.1	5
34	An Improved Hybrid Transfer Learning-Based Deep Learning Model for PM2.5 Concentration Prediction. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3597.	2.5	5
35	RAFM: Recurrent Atrous Feature Modulation for Accurate Monocular Depth Estimating. <i>IEEE Signal Processing Letters</i> , 2022, 29, 1609-1613.	3.6	5
36	A Statistical Vertically Mixed Runoff Model for Regions Featured by Complex Runoff Generation Process. <i>Water (Switzerland)</i> , 2020, 12, 2324.	2.7	4

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37	Joint Processing of Pilot and Data for Massive MIMO Systems in Ricean Fading Channels. IEEE Access, 2019, 7, 83615-83627.	4.2	3
38	A New Uncertainty Measure for Assessing the Uncertainty Existing in Hydrological Simulation. Water (Switzerland), 2019, 11, 812.	2.7	3
39	New Methods for the Assessment of Flow Regime Alteration under Climate Change and Human Disturbance. Water (Switzerland), 2019, 11, 2435.	2.7	3
40	A novel underwater sonar image enhancement algorithm based on approximation spaces of random sets. Multimedia Tools and Applications, 2022, 81, 4569-4584.	3.9	3
41	Spectral efficiency analysis for massive MIMO systems in Ricean fading channels. IET Communications, 2019, 13, 3193-3200.	2.2	2
42	An Automatic Location and Recognition Method for Bank Card Number. , 2019, , .		2
43	Spectral efficiency analysis of multi-cell multi-user massive MIMO over channel aging. IET Communications, 2020, 14, 811-817.	2.2	2
44	Underwater image enhancement algorithm combining color correction and multi-scale fusion. , 2021, , .		2
45	Defining the range of ecological shelter zones in the shore zone of Three Gorges Reservoir, China. Stochastic Environmental Research and Risk Assessment, 2014, 28, 1973-1984.	4.0	1
46	Performance analysis for joint processing of pilot and data symbols with channel aging. Electronics Letters, 2019, 55, 1157-1160.	1.0	1
47	An improved D8-LTD for the extraction of total contributing area (TCA) by adopting the strategies of path independency and local dispersion. Water Resources Research, 0, , .	4.2	1
48	A multi-sensor image fusion algorithm based on multi-scale feature analysis. , 2014, , .		0
49	Real-time localization of mobile targets using abnormal wireless signals. , 2017, , .		0
50	Uplink Spectral Efficiency Analysis in Vehicle-to-Infrastructure Massive MIMO systems. , 2019, , .		0
51	Study on Water Absorption-Dehydration Characteristics for SAP Composite Soil for Rainwater Harvesting. Water (Switzerland), 2020, 12, 2380.	2.7	0
52	Understanding the impacts induced by cut-off thresholds and likelihood measures on confidence interval when applying GLUE approach. Stochastic Environmental Research and Risk Assessment, 2022, 36, 1215-1241.	4.0	0