Sinan Q Salih

List of Publications by Year
in descending order

60 papers	2,276 citations	172386 29 h-index	223716 46 g-index
61 all docs	61 docs citations	61 times ranked	1818 citing authors

#	Article	IF	Citations
1	Reinforced concrete deep beam shear strength capacity modelling using an integrative bio-inspired algorithm with an artificial intelligence model. Engineering With Computers, 2022, 38, 15-28.	3.5	53
2	Integration of extreme gradient boosting feature selection approach with machine learning models: application of weather relative humidity prediction. Neural Computing and Applications, 2022, 34, 515-533.	3.2	28
3	Development of new computational machine learning models for longitudinal dispersion coefficient determination: case study of natural streams, United States. Environmental Science and Pollution Research, 2022, 29, 35841-35861.	2.7	15
4	Natural Time Series Parameters Forecasting: Validation of the Pattern-Sequence-Based Forecasting (PSF) Algorithm; A New Python Package. Applied Sciences (Switzerland), 2022, 12, 6194.	1.3	4
5	Prediction of dissolved oxygen, biochemical oxygen demand, and chemical oxygen demand using hydrometeorological variables: case study of Selangor River, Malaysia. Environment, Development and Sustainability, 2021, 23, 8027-8046.	2.7	12
6	Analysis of dry and wet climate characteristics at Uttarakhand (India) using effective drought index. Natural Hazards, 2021, 105, 1643-1662.	1.6	32
7	Global solar radiation prediction over North Dakota using air temperature: Development of novel hybrid intelligence model. Energy Reports, 2021, 7, 136-157.	2.5	62
8	Simulation of foamed concrete compressive strength prediction using adaptive neuro-fuzzy inference system optimized by nature-inspired algorithms. Frontiers of Structural and Civil Engineering, 2021, 15, 61-79.	1.2	12
9	Security robot for the prevention of workplace violence using the Non-linear Adaptive Heuristic Mathematical Model. Work, 2021, 68, 853-861.	0.6	2
10	RERS-CC: Robotic facial recognition system for improving the accuracy of human face identification using HRI. Work, 2021, 68, 923-934.	0.6	0
11	ADA-SR: Activity detection and analysis using security robots for reliable workplace safety. Work, 2021, 68, 935-943.	0.6	0
12	Interaction modeling and classification scheme for augmenting the response accuracy of human-robot interaction systems. Work, 2021, 68, 903-912.	0.6	0
13	Robotic Mounted Rail Arm System for implementing effective workplace safety for migrant workers. Work, 2021, 68, 845-852.	0.6	0
14	Prediction of copper ions adsorption by attapulgite adsorbent using tuned-artificial intelligence model. Chemosphere, 2021, 276, 130162.	4.2	41
15	Developing Chaotic Artificial Ecosystem-Based Optimization Algorithm for Combined Economic Emission Dispatch. IEEE Access, 2021, 9, 51146-51165.	2.6	40
16	GaitVision: Real-Time Extraction of Gait Parameters Using Residual Attention Network. Complexity, 2021, 2021, 1-15.	0.9	0
17	Shear strength of SFRCB without stirrups simulation: implementation of hybrid artificial intelligence model. Engineering With Computers, 2020, 36, 1-11.	3.5	72
18	Prediction of evaporation in arid and semi-arid regions: a comparative study using different machine learning models. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 70-89.	1.5	44

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19	TrustData: Trustworthy and Secured Data Collection for Event Detection in Industrial Cyber-Physical System. IEEE Transactions on Industrial Informatics, 2020, 16, 3311-3321.	7.2	60
20	A new algorithm for normal and large-scale optimization problems: Nomadic People Optimizer. Neural Computing and Applications, 2020, 32, 10359-10386.	3.2	70
21	River suspended sediment load prediction based on river discharge information: application of newly developed data mining models. Hydrological Sciences Journal, 2020, 65, 624-637.	1.2	72
22	Modeling wetted areas of moisture bulb for drip irrigation systems: An enhanced empirical model and artificial neural network. Computers and Electronics in Agriculture, 2020, 178, 105767.	3.7	26
23	An evolutionary optimized artificial intelligence model for modeling scouring depth of submerged weir. Engineering Applications of Artificial Intelligence, 2020, 96, 104012.	4.3	12
24	Training and Testing Data Division Influence on Hybrid Machine Learning Model Process: Application of River Flow Forecasting. Complexity, 2020, 2020, 1-22.	0.9	20
25	Newly explored machine learning model for river flow time series forecasting at Mary River, Australia. Environmental Monitoring and Assessment, 2020, 192, 761.	1.3	19
26	Internet of things assisted condition€based support for smart manufacturing industry using learning technique. Computational Intelligence, 2020, 36, 1737-1754.	2.1	7
27	Lake water level modeling using newly developed hybrid data intelligence model. Theoretical and Applied Climatology, 2020, 141, 1285-1300.	1.3	31
28	Optimized parameter estimation of a PEMFC model based on improved Grass Fibrous Root Optimization Algorithm. Energy Reports, 2020, 6, 1510-1519.	2.5	20
29	The Capacity of the Hybridizing Wavelet Transformation Approach With Data-Driven Models for Modeling Monthly-Scale Streamflow. IEEE Access, 2020, 8, 101993-102006.	2.6	18
30	Input attributes optimization using the feasibility of genetic nature inspired algorithm: Application of river flow forecasting. Scientific Reports, 2020, 10, 4684.	1.6	55
31	Prediction of Risk Delay in Construction Projects Using a Hybrid Artificial Intelligence Model. Sustainability, 2020, 12, 1514.	1.6	76
32	Integrative stochastic model standardization with genetic algorithm for rainfall pattern forecasting in tropical and semi-arid environments. Hydrological Sciences Journal, 2020, 65, 1145-1157.	1.2	25
33	Pan Evaporation Estimation in Uttarakhand and Uttar Pradesh States, India: Validity of an Integrative Data Intelligence Model. Atmosphere, 2020, 11, 553.	1.0	29
34	Efficiency evaluation of reverse osmosis desalination plant using hybridized multilayer perceptron with particle swarm optimization. Environmental Science and Pollution Research, 2020, 27, 15278-15291.	2.7	56
35	Deep Learning Data-Intelligence Model Based on Adjusted Forecasting Window Scale: Application in Daily Streamflow Simulation. IEEE Access, 2020, 8, 32632-32651.	2.6	121
36	Hourly River Flow Forecasting: Application of Emotional Neural Network Versus Multiple Machine Learning Paradigms. Water Resources Management, 2020, 34, 1075-1091.	1.9	53

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37	Global Solar Radiation Estimation and Climatic Variability Analysis Using Extreme Learning Machine Based Predictive Model. IEEE Access, 2020, 8, 12026-12042.	2.6	59
38	A Newly Developed Integrative Bio-Inspired Artificial Intelligence Model for Wind Speed Prediction. IEEE Access, 2020, 8, 83347-83358.	2.6	26
39	Metaheuristic Optimization Algorithms Hybridized With Artificial Intelligence Model for Soil Temperature Prediction: Novel Model. IEEE Access, 2020, 8, 51884-51904.	2.6	48
40	Evolutionary computational intelligence algorithm coupled with self-tuning predictive model for water quality index determination. Journal of Hydrology, 2020, 587, 124974.	2.3	88
41	DependData: Data collection dependability through three-layer decision-making in BSNs for healthcare monitoring. Information Fusion, 2020, 62, 32-46.	11.7	10
42	Modeling monthly pan evaporation process over the Indian central Himalayas: application of multiple learning artificial intelligence model. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 323-338.	1.5	75
43	Drought index prediction using advanced fuzzy logic model: Regional case study over Kumaon in India. PLoS ONE, 2020, 15, e0233280.	1.1	58
44	Viability of the advanced adaptive neuro-fuzzy inference system model on reservoir evaporation process simulation: case study of Nasser Lake in Egypt. Engineering Applications of Computational Fluid Mechanics, 2019, 13, 878-891.	1.5	38
45	Evaluating Physical and Fiscal Water Leakage in Water Distribution System. Water (Switzerland), 2019, 11, 2091.	1.2	23
46	Non-Linear Input Variable Selection Approach Integrated With Non-Tuned Data Intelligence Model for Streamflow Pattern Simulation. IEEE Access, 2019, 7, 141533-141548.	2.6	73
47	Thin and sharp edges bodies-fluid interaction simulation using cut-cell immersed boundary method. Engineering Applications of Computational Fluid Mechanics, 2019, 13, 860-877.	1.5	87
48	An Enhanced Version of Black Hole Algorithm via Levy Flight for Optimization and Data Clustering Problems. IEEE Access, 2019, 7, 142085-142096.	2.6	59
49	Implementation of evolutionary computing models for reference evapotranspiration modeling: short review, assessment and possible future research directions. Engineering Applications of Computational Fluid Mechanics, 2019, 13, 811-823.	1.5	54
50	Pressure Vessel Design Simulation. , 2019, , .		13
51	Implementation of Univariate Paradigm for Streamflow Simulation Using Hybrid Data-Driven Model: Case Study in Tropical Region. IEEE Access, 2019, 7, 74471-74481.	2.6	76
52	Load-carrying capacity and mode failure simulation of beam-column joint connection: Application of self-tuning machine learning model. Engineering Structures, 2019, 194, 220-229.	2.6	58
53	The Implementation of a Hybrid Model for Hilly Sub-Watershed Prioritization Using Morphometric Variables: Case Study in India. Water (Switzerland), 2019, 11, 1138.	1.2	30
54	Development of multivariate adaptive regression spline integrated with differential evolution model for streamflow simulation. Journal of Hydrology, 2019, 573, 1-12.	2.3	120

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55	Construction of functional data analysis modeling strategy for global solar radiation prediction: application of cross-station paradigm. Engineering Applications of Computational Fluid Mechanics, 2019, 13, 1165-1181.	1.5	22
56	Laundry wastewater treatment using a combination of sand filter, bio-char and teff straw media. Scientific Reports, 2019, 9, 18709.	1.6	36
57	Novel Multi-swarm Approach for Balancing Exploration and Exploitation in Particle Swarm Optimization. Advances in Intelligent Systems and Computing, 2019, , 196-206.	0.5	10
58	A New Training Method based on Black Hole Algorithm for Convolutional Neural Network. Xinan Jiaotong Daxue Xuebao/Journal of Southwest Jiaotong University, 2019, 54, .	0.1	9
59	Solving large-scale problems using multi-swarm particle swarm approach. International Journal of Engineering and Technology(UAE), 2018, 7, 1725.	0.2	12
60	A Proactive Fuzzy-Guided Link Labeling Algorithm Based on MIH Framework in Heterogeneous Wireless Networks. Wireless Personal Communications, 2014, 75, 2495-2511.	1.8	4