Kwok Wing Chau

List of Publications by Year in Descending Order

300 papers	16,122 citations	72 h-index	117 g-index
315 ext. papers	18,835 ext. citations	4.3 avg, IF	7.61 L-index

#	Paper	IF	Citations
300	Principle of Life Cycle Assessment and Cumulative Exergy Demand for Biodiesel Production: Farm-To-Combustion Approach. *Green Energy and Technology*, **2022**, 127-169	0.6	0
299	Forecast of rainfall distribution based on fixed sliding window long short-term memory. *Engineering Applications of Computational Fluid Mechanics*, **2022**, 16, 248-261	4.5	9
298	Modeling the infiltration rate of wastewater infiltration basins considering water quality parameters using different artificial neural network techniques. *Engineering Applications of Computational Fluid Mechanics*, **2022**, 16, 397-421	4.5	2
297	Green Roof Hydrological Modelling With GRU and LSTM Networks. *Water Resources Management*, **2022**, 36, 1107	3.7	3
296	Energetic thermo-physical analysis of MLP-RBF feed-forward neural network compared with RLS Fuzzy to predict CuO/liquid paraffin mixture properties. *Engineering Applications of Computational Fluid Mechanics*, **2022**, 16, 764-779	4.5	0
295	Soil moisture estimation using novel bio-inspired soft computing approaches. *Engineering Applications of Computational Fluid Mechanics*, **2022**, 16, 826-840	4.5	0
294	Integration of neural network and fuzzy logic decision making compared with bilayered neural network in the simulation of daily dew point temperature. *Engineering Applications of Computational Fluid Mechanics*, **2022**, 16, 713-723	4.5	1
293	Efficacy of applying discontinuous boundary condition on the heat transfer and entropy generation through a slip microchannel equipped with nanofluid. *Engineering Applications of Computational Fluid Mechanics*, **2022**, 16, 952-964	4.5	5
292	Principal of environmental life cycle assessment for medical waste during COVID-19 outbreak to support sustainable development goals.. *Science of the Total Environment*, **2022**, 154416	10.2	4
291	Applying novel eco-exergoenvironmental toxicity index to select the best irrigation system of sunflower production. *Energy*, **2022**, 250, 123822	7.9	3
290	Accurate discharge coefficient prediction of streamlined weirs by coupling linear regression and deep convolutional gated recurrent unit. *Engineering Applications of Computational Fluid Mechanics*, **2022**, 16, 965-976	4.5	1
289	Solar radiation prediction using improved soft computing models for semi-arid, slightly-arid and humid climates. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 10631-10657	6.1	4
288	A comparison of machine learning models for suspended sediment load classification. *Engineering Applications of Computational Fluid Mechanics*, **2022**, 16, 1211-1232	4.5	
287	Downscaling Methods. *Springer Water*, **2022**, 179-278	0.3	
286	Forecasting the discharge capacity of inflatable rubber dams using hybrid machine learning models. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 1761-1774	4.5	0
285	Comparison of machine learning techniques for predicting porosity of chalk. *Journal of Petroleum Science and Engineering*, **2021**, 209, 109853	4.4	5
284	A decomposition and multi-objective evolutionary optimization model for suspended sediment load prediction in rivers. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 1811-1829	4.5	2

283	Artificial intelligence models for suspended river sediment prediction: state-of-the art, modeling framework appraisal, and proposed future research directions. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 1585-1612	4.5	5
282	Designing a committee of machines for modeling viscosity of water-based nanofluids. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 1967-1987	4.5	0
281	An Ensemble Hybrid Forecasting Model for Annual Runoff Based on Sample Entropy, Secondary Decomposition, and Long Short-Term Memory Neural Network. *Water Resources Management*, **2021**, 35, 4695	3.7	4
280	A Comparison of BPNN, GMDH, and ARIMA for Monthly Rainfall Forecasting Based on Wavelet Packet Decomposition. *Water (Switzerland)*, **2021**, 13, 2871	3	4
279	Flood Control Operation of Reservoir Group Using Yin-Yang Firefly Algorithm. *Water Resources Management*, **2021**, 35, 5325	3.7	1
278	Evaluation of the accuracy of soft computing learning algorithms in performance prediction of tidal turbine. *Energy Science and Engineering*, **2021**, 9, 633-644	3.4	2
277	Numerical investigation of magnetic field on forced convection heat transfer and entropy generation in a microchannel with trapezoidal ribs. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 1746-1760	4.5	4
276	Machine learning based marine water quality prediction for coastal hydro-environment management. *Journal of Environmental Management*, **2021**, 284, 112051	7.9	34
275	Improved flood forecasting using geomorphic unit hydrograph based on spatially distributed velocity field. *Journal of Hydroinformatics*, **2021**, 23, 724-739	2.6	2
274	Exergoenvironmental damages assessment of horticultural crops using ReCiPe2016 and cumulative exergy demand frameworks. *Journal of Cleaner Production*, **2021**, 278, 123788	10.3	53
273	Stability of A-Jack concrete block armors protecting the riverbeds. *Ain Shams Engineering Journal*, **2021**, 12, 381-391	4.4	4
272	Artificial neural networks and adaptive neuro-fuzzy inference system in energy modeling of agricultural products **2021**, 299-334		3
271	Effects of low-level hydroxy as a gaseous additive on performance and emission characteristics of a dual fuel diesel engine fueled by diesel/biodiesel blends. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 236-250	4.5	3
270	Evaluating the potential of offshore wind energy in the Gulf of Oman using the MENA-CORDEX wind speed data simulations. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 613-626	4.5	5
269	Performance evaluation of sediment ejector efficiency using hybrid neuro-fuzzy models. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 627-643	4.5	5
268	Role of gradients and vortexes on suitable location of discrete heat sources on a sinusoidal-wall microchannel. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 1176-1190	4.5	6
267	Introducing an evolutionary-decomposition model for prediction of municipal solid waste flow: application of intrinsic time-scale decomposition algorithm. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 1159-1175	4.5	1
266	Different scenarios of glycerin conversion to combustible products and their effects on compression ignition engine as fuel additive: a review. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 1191-1228	4.5	1

265	Using soft computing and machine learning algorithms to predict the discharge coefficient of curved labyrinth overflows. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 1002-1015	4.5	2
264	Coupled life cycle assessment and data envelopment analysis to optimize energy consumption and mitigate environmental impacts in agricultural production **2021**, 227-264		
263	Diffusion analysis with high and low concentration regions by the finite difference method, the adaptive network-based fuzzy inference system, and the bilayered neural network method. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 1392-1399	4.5	
262	Multi-objective optimization of energy use and environmental emissions for walnut production using imperialist competitive algorithm. *Applied Energy*, **2021**, 284, 116342	10.7	55
261	Towards estimating absorption of major air pollutant gasses in ionic liquids using soft computing methods. *Journal of the Taiwan Institute of Chemical Engineers*, **2021**, 127, 109-118	5.3	3
260	Modeling the fluctuations of groundwater level by employing ensemble deep learning techniques. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 1420-1439	4.5	9
259	Prediction of daily water level using new hybridized GS-GMDH and ANFIS-FCM models. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 1343-1361	4.5	1
258	Groundwater level prediction in arid areas using wavelet analysis and Gaussian process regression. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 1147-1158	4.5	11
257	Machine learning model development for predicting aeration efficiency through Parshall flume. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 889-901	4.5	1
256	Data supporting midpoint-weighting life cycle assessment and energy forms of cumulative exergy demand for horticultural crops. *Data in Brief*, **2020**, 33, 106490	1.2	11
255	Comparative Analysis of Recurrent Neural Network Architectures for Reservoir Inflow Forecasting. *Water (Switzerland)*, **2020**, 12, 1500	3	64
254	Prediction of significant wave height; comparison between nested grid numerical model, and machine learning models of artificial neural networks, extreme learning and support vector machines. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 805-817	4.5	26
253	Prediction of flow characteristics in the bubble column reactor by the artificial pheromone-based communication of biological ants. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 367-378	4.5	15
252	Modeling thermal conductivity of ethylene glycol-based nanofluids using multivariate adaptive regression splines and group method of data handling artificial neural network. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 379-390	4.5	9
251	Modeling climate change impact on wind power resources using adaptive neuro-fuzzy inference system. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 491-506	4.5	16
250	Estimating longitudinal dispersion coefficient in natural streams using empirical models and machine learning algorithms. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 311-322	4.5	45
249	Yin-Yang firefly algorithm based on dimensionally Cauchy mutation. *Expert Systems With Applications*, **2020**, 150, 113216	7.8	49
248	Predicting Standardized Streamflow index for hydrological drought using machine learning models. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 339-350	4.5	88

247	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	4.5	42
246	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	4.5	32
245	A numerical and experimental study on the energy efficiency of a regenerative Heat and Mass Exchanger utilizing the counter-flow Maisotsenko cycle. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 1-12	4.5	47
244	Modeling natural gas compressibility factor using a hybrid group method of data handling. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 27-37	4.5	14
243	Computational modeling of land surface temperature using remote sensing data to investigate the spatial arrangement of buildings and energy consumption relationship. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 254-270	4.5	21
242	Precipitation projection using a CMIP5 GCM ensemble model: a regional investigation of Syria. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 90-106	4.5	59
241	Groundwater Quality Assessment for Sustainable Drinking and Irrigation. *Sustainability*, **2020**, 12, 177	3.6	45
240	Application of photovoltaic system to modify energy use, environmental damages and cumulative exergy demand of two irrigation systems-A case study: Barley production of Iran. *Renewable Energy* , **2020**, 160, 1316-1334	8.1	70
239	Monthly streamflow prediction using a hybrid stochastic-deterministic approach for parsimonious non-linear time series modeling. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 1351-1372	4.5	7
238	Enhanced Artificial Neural Network with Harris Hawks Optimization for Predicting Scour Depth Downstream of Ski-Jump Spillway. *Applied Sciences (Switzerland)*, **2020**, 10, 5160	2.6	18
237	Comparative analysis of hybrid models of firefly optimization algorithm with support vector machines and multilayer perceptron for predicting soil temperature at different depths. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 939-953	4.5	15
236	Thin and sharp edges bodies-fluid interaction simulation using cut-cell immersed boundary method. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 860-877	4.5	75
235	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	4.5	36
234	Aeromechanical optimization of first row compressor test stand blades using a hybrid machine learning model of genetic algorithm, artificial neural networks and design of experiments. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 892-904	4.5	41
233	Spent mushroom compost (SMC) as a source for biogas production in Iran. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 967-982	4.5	7
232	Flutter speed estimation using presented differential quadrature method formulation. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 804-810	4.5	39
231	Modeling temperature dependency of oil - water relative permeability in thermal enhanced oil recovery processes using group method of data handling and gene expression programming. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 724-743	4.5	21
230	Limiting factors for biogas production from cow manure: energo-environmental approach. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 954-966	4.5	10

229	Energy-Life cycle assessment on applying solar technologies for greenhouse strawberry production. *Renewable and Sustainable Energy Reviews*, **2019**, 116, 109411	16.2	77
228	Comprehensive model of energy, environmental impacts and economic in rice milling factories by coupling adaptive neuro-fuzzy inference system and life cycle assessment. *Journal of Cleaner Production*, **2019**, 217, 742-756	10.3	62
227	Prediction of Hydropower Generation Using Grey Wolf Optimization Adaptive Neuro-Fuzzy Inference System. *Energies*, **2019**, 12, 289	3.1	99
226	Prediction of multi-inputs bubble column reactor using a novel hybrid model of computational fluid dynamics and machine learning. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 482-492	4.5	77
225	Towards experimental and modeling study of heat transfer performance of water- SiO2 nanofluid in quadrangular cross-section channels. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 453-469	4.5	25
224	Comparative analysis of soft computing techniques RBF, MLP, and ANFIS with MLR and MNLR for predicting grade-control scour hole geometry. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 529-550	4.5	29
223	Use of optimization techniques for energy use efficiency and environmental life cycle assessment modification in sugarcane production. *Energy*, **2019**, 181, 1298-1320	7.9	72
222	A Novel Detection Algorithm to Identify False Data Injection Attacks on Power System State Estimation. *Energies*, **2019**, 12, 2209	3.1	25
221	Attenuation of Pathogen Shock Load: Analytical Analysis of Infiltration Gallery in Riverbank Filtration during Stream Stage Rise. *Journal of Hazardous, Toxic, and Radioactive Waste*, **2019**, 23, 04019009	2.2	3
220	Design of water distribution systems using an intelligent simple benchmarking algorithm with respect to cost optimization and computational efficiency. *Water Science and Technology: Water Supply*, **2019**, 19, 1892-1898	1.4	10
219	Estimating Daily Dew Point Temperature Using Machine Learning Algorithms. *Water (Switzerland)*, **2019**, 11, 582	3	38
218	Review of Soft Computing Models in Design and Control of Rotating Electrical Machines. *Energies*, **2019**, 12, 1049	3.1	27
217	Applying GMDH neural network to estimate the thermal resistance and thermal conductivity of pulsating heat pipes. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 327-336	4.5	36
216	Applicability of connectionist methods to predict dynamic viscosity of silver/water nanofluid by using ANN-MLP, MARS and MPR algorithms. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 220-228	4.5	40
215	Numerical simulation of nanofluid flow inside a root canal. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 254-264	4.5	85
214	Development of Simple-to-Use Predictive Models to Determine Thermal Properties of Fe2O3/Water-Ethylene Glycol Nanofluid. *Computation*, **2019**, 7, 18	2.2	17
213	Computational Intelligence on Short-Term Load Forecasting: A Methodological Overview. *Energies*, **2019**, 12, 393	3.1	48
212	Sustainable Business Models: A Review. *Sustainability*, **2019**, 11, 1663	3.6	145

211	Combined life cycle assessment and artificial intelligence for prediction of output energy and environmental impacts of sugarcane production. *Science of the Total Environment*, **2019**, 664, 1005-1019	10.2	121
210	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	4.5	30
209	Energy optimization and greenhouse gas emissions mitigation for agricultural and horticultural systems in Northern Iran. *Energy*, **2019**, 186, 115845	7.9	53
208	Numerical simulation of pressure pulsation effects of a snubber in a CNG station for increasing measurement accuracy. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 642-663	4.5	26
207	Investigation of submerged structures Flexibility on sloshing frequency using a boundary element method and finite element analysis. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 519-528	4.5	63
206	Uncertainty Analysis on Hybrid Double Feedforward Neural Network Model for Sediment Load Estimation with LUBE Method. *Water Resources Management*, **2019**, 33, 3563-3577	3.7	63
205	Application of ANFIS and LSSVM strategies for estimating thermal conductivity enhancement of metal and metal oxide based nanofluids. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 560-578	4.5	34
204	Developing a mathematical framework in preliminary designing of detention rockfill dams for flood peak reduction. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 1119-1129	4.5	4
203	Precise smart model for estimating dynamic viscosity of SiO2/ethylene glycol water nanofluid. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 1095-1105	4.5	26
202	A Survey of Deep Learning Techniques: Application in Wind and Solar Energy Resources. *IEEE Access* , **2019**, 7, 164650-164666	3.5	115
201	Carbon dioxide emissions prediction of five Middle Eastern countries using artificial neural networks. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2019**, 1-13	1.6	16
200	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	4.5	10
199	Experimental and numerical analysis of a nanofluidic thermosyphon heat exchanger. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 40-47	4.5	133
198	Assessment of optimized pattern in milling factories of rice production based on energy, environmental and economic objectives. *Energy*, **2019**, 169, 1259-1273	7.9	48
197	An enhanced extreme learning machine model for river flow forecasting: State-of-the-art, practical applications in water resource engineering area and future research direction. *Journal of Hydrology*, **2019**, 569, 387-408	6	324
196	Ensemble models with uncertainty analysis for multi-day ahead forecasting of chlorophyll a concentration in coastal waters. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 91-101	4.5	118
195	Prediction of remaining service life of pavement using an optimized support vector machine (case study of Semnan Firuzkuh road). *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 188-198	4.5	40
194	Modeling monthly pan evaporation using wavelet support vector regression and wavelet artificial neural networks in arid and humid climates. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 177-187	4.5	55

193	Daily global solar radiation modeling using data-driven techniques and empirical equations in a semi-arid climate. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 142-157	4.5	33
192	Forecasting Safe Distance of a Pumping Well for Effective Riverbank Filtration. *Journal of Hazardous, Toxic, and Radioactive Waste*, **2019**, 23, 04018040	2.3	18
191	Developing an ANFIS-based swarm concept model for estimating the relative viscosity of nanofluids. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 26-39	4.5	69
190	Reservoir operation based on evolutionary algorithms and multi-criteria decision-making under climate change and uncertainty. *Journal of Hydroinformatics*, **2018**, 20, 332-355	2.6	47
189	Computational intelligence approach for modeling hydrogen production: a review. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 438-458	4.5	124
188	Survey of computational intelligence as basis to big flood management: challenges, research directions and future work. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 411-437	4.5	213
187	Integration of artificial intelligence methods and life cycle assessment to predict energy output and environmental impacts of paddy production. *Science of the Total Environment*, **2018**, 631-632, 1279-1294	10.2	99
186	Optimizing layout of wind farm turbines using genetic algorithms in Tehran province, Iran. *International Journal of Energy and Environmental Engineering*, **2018**, 9, 399-411	4	20
185	Coupling a firefly algorithm with support vector regression to predict evaporation in northern Iran. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 584-597	4.5	209
184	Novel genetic-based negative correlation learning for estimating soil temperature. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 506-516	4.5	29
183	Application of ANNs, ANFIS and RSM to estimating and optimizing the parameters that affect the yield and cost of biodiesel production. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 611-624	4.5	72
182	Application of data envelopment analysis approach for optimization of energy use and reduction of greenhouse gas emission in peanut production of Iran. *Journal of Cleaner Production*, **2018**, 172, 1327-1335	10.3	63
181	Flood Prediction Using Machine Learning Models: Literature Review. *Water (Switzerland)*, **2018**, 10, 1536	3	376
180	Sugarcane growth prediction based on meteorological parameters using extreme learning machine and artificial neural network. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 738-749	4.5	52
179	Parallel chance-constrained dynamic programming for cascade hydropower system operation. *Energy*, **2018**, 165, 752-767	7.9	23
178	Earthquake prediction with meteorological data by particle filter-based support vector regression. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 679-688	4.5	20
177	Effect of river flow on the quality of estuarine and coastal waters using machine learning models. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 810-823	4.5	92
176	Forecasting pan evaporation with an integrated artificial neural network quantum-behaved particle swarm optimization model: a case study in Talesh, Northern Iran. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 724-737	4.5	85

175	Life cycle assessment of canola edible oil production in Iran: A case study in Isfahan province. *Journal of Cleaner Production*, **2018**, 196, 714-725	10.3	36
174	Experimental and computational fluid dynamics-based numerical simulation of using natural gas in a dual-fueled diesel engine. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 517-534	4.5	109
173	Bat algorithm for dam□reservoir operation. *Environmental Earth Sciences*, **2018**, 77, 1	2.9	16
172	Modeling of energy consumption and environmental life cycle assessment for incineration and landfill systems of municipal solid waste management - A case study in Tehran Metropolis of Iran. *Journal of Cleaner Production*, **2017**, 148, 427-440	10.3	214
171	Energy consumption enhancement and environmental life cycle assessment in paddy production using optimization techniques. *Journal of Cleaner Production*, **2017**, 162, 571-586	10.3	72
170	Numerical simulation of the effects of building dimensional variation on wind pressure distribution. *Engineering Applications of Computational Fluid Mechanics*, **2017**, 11, 293-309	4.5	141
169	Toward multi-day-ahead forecasting of suspended sediment concentration using ensemble models. *Environmental Science and Pollution Research*, **2017**, 24, 28017-28025	5.1	63
168	The Annual Maximum Flood Peak Discharge Forecasting Using Hermite Projection Pursuit Regression with SSO and LS Method. *Water Resources Management*, **2017**, 31, 461-477	3.7	37
167	Prophesying egg production based on energy consumption using multi-layered adaptive neural fuzzy inference system approach. *Computers and Electronics in Agriculture*, **2016**, 131, 10-19	6.5	36
166	A Hybrid Double Feedforward Neural Network for Suspended Sediment Load Estimation. *Water Resources Management*, **2016**, 30, 2179-2194	3.7	113
165	TQM application by engineering consultants in Hong Kong. *TQM Journal*, **2016**, 28, 561-587	3.4	5
164	Neural network river forecasting with multi-objective fully informed particle swarm optimization. *Journal of Hydroinformatics*, **2015**, 17, 99-113	2.6	91
163	Improving Forecasting Accuracy of Annual Runoff Time Series Using ARIMA Based on EEMD Decomposition. *Water Resources Management*, **2015**, 29, 2655-2675	3.7	337
162	A comparison of various artificial intelligence approaches performance for estimating suspended sediment load of river systems: a case study in United States. *Environmental Monitoring and Assessment*, **2015**, 187, 189	3.1	137
161	A comparative study of population-based optimization algorithms for downstream river flow forecasting by a hybrid neural network model. *Engineering Applications of Artificial Intelligence*, **2015**, 46, 258-268	7.2	144
160	Modeling of groundwater level fluctuations using dendrochronology in alluvial aquifers. *Journal of Hydrology*, **2015**, 529, 1060-1069	6	171
159	A novel hybrid neural network based on continuity equation and fuzzy pattern-recognition for downstream daily river discharge forecasting. *Journal of Hydroinformatics*, **2015**, 17, 733-744	2.6	34
158	Neural network river forecasting through baseflow separation and binary-coded swarm optimization. *Journal of Hydrology*, **2015**, 529, 1788-1797	6	181

157	ANN-based interval forecasting of streamflow discharges using the LUBE method and MOFIPS. *Engineering Applications of Artificial Intelligence*, **2015**, 45, 429-440	7.2	132
156	Data-driven input variable selection for rainfall□unoff modeling using binary-coded particle swarm optimization and Extreme Learning Machines. *Journal of Hydrology*, **2015**, 529, 1617-1632	6	232
155	China?s small hydropower and its dispatching management. *Renewable and Sustainable Energy Reviews*, **2015**, 42, 43-55	16.2	68
154	Daily Reservoir Runoff Forecasting Method Using Artificial Neural Network Based on Quantum-behaved Particle Swarm Optimization. *Water (Switzerland)*, **2015**, 7, 4232-4246	3	58
153	Improving forecasting accuracy of medium and long-term runoff using artificial neural network based on EEMD decomposition. *Environmental Research*, **2015**, 139, 46-54	7.9	140
152	Modeling Energy Use in Dairy Cattle Farms by Applying Multi-Layered Adaptive Neuro-Fuzzy Inference System (MLANFIS). *International Journal of Dairy Science*, **2015**, 10, 173-185	0.7	9
151	Assessment of River Water Quality Based on Theory of Variable Fuzzy Sets and Fuzzy Binary Comparison Method. *Water Resources Management*, **2014**, 28, 4183-4200	3.7	138
150	Parallel discrete differential dynamic programming for multireservoir operation. *Environmental Modelling and Software*, **2014**, 57, 152-164	5.2	58
149	Multi-Site Calibration of Linear Reservoir Based Geomorphologic Rainfall-Runoff Models. *Water (Switzerland)*, **2014**, 6, 2690-2716	3	17
148	Prediction of rainfall time series using modular soft computingmethods. *Engineering Applications of Artificial Intelligence*, **2013**, 26, 997-1007	7.2	195
147	Some Practical Strategies and Methods for Large-Scale Hydropower System Operations in China **2013**,		1
146	Comparison of three global optimization algorithms for calibration of the Xinanjiang model parameters. *Journal of Hydroinformatics*, **2013**, 15, 174-193	2.6	26
145	Improved annual rainfall-runoff forecasting using PSOSVM model based on EEMD. *Journal of Hydroinformatics*, **2013**, 15, 1377-1390	2.6	173
144	Operation challenges for fast-growing China's hydropower systems and respondence to energy saving and emission reduction. *Renewable and Sustainable Energy Reviews*, **2012**, 16, 2386-2393	16.2	103
143	Artificial neural network simulation of hourly groundwater levels in a coastal aquifer system of the Venice lagoon. *Engineering Applications of Artificial Intelligence*, **2012**, 25, 1670-1676	7.2	275
142	Short-Term Hydroscheduling with Discrepant Objectives Using Multi-Step Progressive Optimality Algorithm1. *Journal of the American Water Resources Association*, **2012**, 48, 464-479	2.1	51
141	Calibration of Xinanjiang model parameters using hybrid genetic algorithm based fuzzy optimal model. *Journal of Hydroinformatics*, **2012**, 14, 784-799	2.6	37
140	Rainfall□unoff modeling using artificial neural network coupled with singular spectrum analysis. *Journal of Hydrology*, **2011**, 399, 394-409	6	266

139	Fast-Growing China's Hydropower Systems and Operation Challenges **2011**,		3
138	A hybrid model coupled with singular spectrum analysis for daily rainfall prediction. *Journal of Hydroinformatics*, **2010**, 12, 458-473	2.6	229
137	Prediction of rainfall time series using modular artificial neural networks coupled with data-preprocessing techniques. *Journal of Hydrology*, **2010**, 389, 146-167	6	246
136	Data-driven models for monthly streamflow time series prediction. *Engineering Applications of Artificial Intelligence*, **2010**, 23, 1350-1367	7.2	111
135	Two Stage Particle Swarm Optimisation for Long-term Operation of a Hydroelectric Power System. *HKIE Transactions*, **2009**, 16, 8-14	2.9	1
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