

# Yun Bai

## List of Publications by Year in descending order

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68  
papers

2,455  
citations

186265  
28  
h-index

206112  
48  
g-index

70  
all docs

70  
docs citations

70  
times ranked

2451  
citing authors

#	ARTICLE	IF	CITATIONS
1	A One-Class Generative Adversarial Detection Framework for Multifunctional Fault Diagnoses. IEEE Transactions on Industrial Electronics, 2022, 69, 8411-8419.	7.9	18
2	Lifespan prognostics for lithium-ion batteries using Long Short Term Memory. , 2022, , .		0
3	Regression modeling for enterprise electricity consumption: A comparison of recurrent neural network and its variants. International Journal of Electrical Power and Energy Systems, 2021, 126, 106612.	5.5	29
4	Premature mortality attributable to PM2.5 pollution in China during 2008â€“2016: Underlying causes and responses to emission reductions. Chemosphere, 2021, 263, 127925.	8.2	17
5	Fault Diagnosis for Wind Turbine Gearboxes by Using Deep Enhanced Fusion Network. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	23
6	Daily Runoff Forecasting Using a Cascade Long Short-Term Memory Model that Considers Different Variables. Water Resources Management, 2021, 35, 1167-1181.	3.9	24
7	A manufacturing quality prediction model based on AdaBoost-LSTM with rough knowledge. Computers and Industrial Engineering, 2021, 155, 107227.	6.3	36
8	A Novel Sparse Echo Autoencoder Network for Data-Driven Fault Diagnosis of Delta 3-D Printers. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 683-692.	4.7	60
9	Deep Hybrid State Network With Feature Reinforcement for Intelligent Fault Diagnosis of Delta 3-D Printers. IEEE Transactions on Industrial Informatics, 2020, 16, 779-789.	11.3	32
10	Specific differences and responses to reductions for premature mortality attributable to ambient PM2.5 in China. Science of the Total Environment, 2020, 742, 140643.	8.0	21
11	Forecasting Bus Passenger Flows by Using a Clustering-Based Support Vector Regression Approach. IEEE Access, 2020, 8, 19717-19725.	4.2	19
12	A Deep Regression Model with Low-Dimensional Feature Extraction for Multi-Parameter Manufacturing Quality Prediction. Applied Sciences (Switzerland), 2020, 10, 2522.	2.5	6
13	A robust dynamic scheduling approach based on release time series forecasting for the steelmaking-continuous casting production. Applied Soft Computing Journal, 2020, 92, 106271.	7.2	24
14	Transmission Condition Monitoring of 3D Printers Based on the Echo State Network. Applied Sciences (Switzerland), 2019, 9, 3058.	2.5	7
15	Battery Remaining Useful Life Prediction with Inheritance Particle Filtering. Energies, 2019, 12, 2784.	3.1	29
16	Benchmarks for Evaluating Optimization Algorithms and Benchmarking MATLAB Derivative-Free Optimizers for Practitionersâ€™ Rapid Access. IEEE Access, 2019, 7, 79657-79670.	4.2	11
17	An ensemble long short-term memory neural network for hourly PM2.5 concentration forecasting. Chemosphere, 2019, 222, 286-294.	8.2	135
18	Dynamic condition monitoring for 3D printers by using error fusion of multiple sparse auto-encoders. Computers in Industry, 2019, 105, 164-176.	9.9	43

#	ARTICLE	IF	CITATIONS
19	Hydrological modelling of karst catchment using lumped conceptual and data mining models. Journal of Hydrology, 2019, 576, 98-110.	5.4	43
20	Spur Gear Fault Diagnosis Using a Multilayer Gated Recurrent Unit Approach With Vibration Signal. IEEE Access, 2019, 7, 56880-56889.	4.2	24
21	Deep Fuzzy Echo State Networks for Machinery Fault Diagnosis. IEEE Transactions on Fuzzy Systems, 2019, , 1-1.	9.8	47
22	Concentration decline in response to source shift of trace metals in Elbe River, Germany: A long-term trend analysis during 1998â€“2016. Environmental Pollution, 2019, 250, 511-519.	7.5	18
23	A sixteen-year reduction in the concentrations of aquatic PAHs corresponding to source shifts in the Elbe River, Germany. Journal of Cleaner Production, 2019, 223, 631-640.	9.3	27
24	A Forecasting Framework Based on Kalman Filter Integrated Multivariate Local Polynomial Regression: Application to Urban Water Demand. Neural Processing Letters, 2019, 50, 497-513.	3.2	15
25	Hourly PM2.5 concentration forecast using stacked autoencoder model with emphasis on seasonality. Journal of Cleaner Production, 2019, 224, 739-750.	9.3	88
26	The influence of heavy metals in road dust on the surface runoff quality: Kinetic, isotherm, and sequential extraction investigations. Ecotoxicology and Environmental Safety, 2019, 176, 270-278.	6.0	30
27	Short-Term Streamflow Forecasting Using the Feature-Enhanced Regression Model. Water Resources Management, 2019, 33, 4783-4797.	3.9	32
28	Vehicular contribution of PAHs in size dependent road dust: A source apportionment by PCA-MLR, PMF, and Unmix receptor models. Science of the Total Environment, 2019, 649, 1314-1322.	8.0	91
29	Thermodynamics of the interaction between antibiotics and extracellular polymeric substances within activated sludge. Environmental Technology (United Kingdom), 2019, 40, 1525-1533.	2.2	2
30	A comparison of dimension reduction techniques for support vector machine modeling of multi-parameter manufacturing quality prediction. Journal of Intelligent Manufacturing, 2019, 30, 2245-2256.	7.3	82
31	Direct Inversion Algorithm for Pipe Resistance Coefficient Calibration of Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	2.6	14
32	Forecasting the output of shale gas in China using an unbiased grey model and weakening buffer operator. Energy, 2018, 151, 238-249.	8.8	115
33	Water quality model with axial dispersion solved by Eulerian-Lagrangian operator-splitting method in water distribution system. Water Science and Technology: Water Supply, 2018, 18, 831-842.	2.1	7
34	Comparative Study of Optimization Intelligent Models in Wastewater Quality Prediction. , 2018, , .		4
35	Variable neighborhood search for integrated determination of charge batching andÂcasting start time in steel plants. Journal of Intelligent and Fuzzy Systems, 2018, 34, 3821-3832.	1.4	7
36	Robust Dynamic Scheduling with Uncertain Release Time for the Steelmaking-Continuous Casting Production. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
37	Application Research of ARIMA Model in Wind Turbine Gearbox Fault Trend Prediction. , 2018, , .		3
38	Prediction of Water Consumption Using NARX Neural Network Based on Grey Relational Analysis. , 2018, , .		4
39	Practical Production Scheduling for Hot Metal Pretreatment-Steelmaking-Continuous Casting Process Involving Preventive Maintenance Consideration. IEEE Access, 2018, 6, 57017-57029.	4.2	10
40	A Comparative Study of Extreme Learning Machine, Least Squares Support Vector Machine, Back Propagation Neural Network for Outlet Total Phosphorus Prediction. , 2018, , .		0
41	Improving forecasting accuracy of daily enterprise electricity consumption using a random forest based on ensemble empirical mode decomposition. Energy, 2018, 165, 1220-1227.	8.8	120
42	Inlet Water Quality Forecasting of Wastewater Treatment Based on Kernel Principal Component Analysis and an Extreme Learning Machine. Water (Switzerland), 2018, 10, 873.	2.7	12
43	Multi-Scale Fuzzy Inference System for Influent Characteristic Prediction of Wastewater Treatment. Clean - Soil, Air, Water, 2018, 46, 1700343.	1.1	15
44	Intelligent Fault Diagnosis of Delta 3D Printers Using Attitude Sensors Based on Support Vector Machines. Sensors, 2018, 18, 1298.	3.8	37
45	Prediction and Analysis of CO2 Emission in Chongqing for the Protection of Environment and Public Health. International Journal of Environmental Research and Public Health, 2018, 15, 530.	2.6	9
46	Autoencoder-based deep belief regression network for air particulate matter concentration forecasting. Journal of Intelligent and Fuzzy Systems, 2018, 34, 3475-3486.	1.4	18
47	Manufacturing Quality Prediction Using Intelligent Learning Approaches: A Comparative Study. Sustainability, 2018, 10, 85.	3.2	31
48	Reservoir Inflow Forecast Using a Clustered Random Deep Fusion Approach in the Three Gorges Reservoir, China. Journal of Hydrologic Engineering - ASCE, 2018, 23, .	1.9	6
49	A multi-pattern deep fusion model for short-term bus passenger flow forecasting. Applied Soft Computing Journal, 2017, 58, 669-680.	7.2	82
50	Deep neural network for manufacturing quality prediction. , 2017, , .		19
51	Multiple Random Forests Modelling for Urban Water Consumption Forecasting. Water Resources Management, 2017, 31, 4715-4729.	3.9	67
52	The influence of land use on source apportionment and risk assessment of polycyclic aromatic hydrocarbons in road-deposited sediment. Environmental Pollution, 2017, 229, 705-714.	7.5	35
53	Water-Quality Prediction Using Multimodal Support Vector Regression: Case Study of Jialing River, China. Journal of Environmental Engineering, ASCE, 2017, 143, .	1.4	26
54	Manufacturing Quality Prediction Based on Two-Step Feature Learning Approach. , 2017, , .		4

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55	A smart diagnosis system based on automatic recognition of multiple rotor faults. Advances in Mechanical Engineering, 2017, 9, 168781401771811.	1.6	2
56	Modeling and Optimization Algorithm for the Integrated Charge Batching and Casting Start Time Determining Problem. , 2017, , .		1
57	Model fusion approach for monthly reservoir inflow forecasting. Journal of Hydroinformatics, 2016, 18, 634-650.	2.4	18
58	Daily natural gas consumption forecasting based on a structure-calibrated support vector regression approach. Energy and Buildings, 2016, 127, 571-579.	6.7	69
59	Deep Feature Learning Architectures for Daily Reservoir Inflow Forecasting. Water Resources Management, 2016, 30, 5145-5161.	3.9	42
60	Development of an optimization method for the GM(1,N) model. Engineering Applications of Artificial Intelligence, 2016, 55, 353-362.	8.1	88
61	Air pollutants concentrations forecasting using back propagation neural network based on wavelet decomposition with meteorological conditions. Atmospheric Pollution Research, 2016, 7, 557-566.	3.8	239
62	Daily reservoir inflow forecasting using multiscale deep feature learning with hybrid models. Journal of Hydrology, 2016, 532, 193-206.	5.4	166
63	Dynamic Forecast of Daily Urban Water Consumption Using a Variable-Structure Support Vector Regression Model. Journal of Water Resources Planning and Management - ASCE, 2015, 141, .	2.6	32
64	Additive Model for Monthly Reservoir Inflow Forecast. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	1.9	32
65	Optimization of Urban Water Supply Schemes based on Grey System Theory. International Journal of Control and Automation, 2014, 7, 239-246.	0.3	3
66	A multi-scale relevance vector regression approach for daily urban water demand forecasting. Journal of Hydrology, 2014, 517, 236-245.	5.4	80
67	Influence of Pollution Concentration on Bioremediation of Petroleum-Contaminated Soil. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0
68	Inverse Dynamic System Identification Using Multiple Support Vector Machines. , 2009, , .		1