

Kai-Bo Zhou

List of Publications by Year in descending order

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papers

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38
times ranked

293
citing authors

#	ARTICLE	IF	CITATIONS
1	SuperGraph: Spatial-Temporal Graph-Based Feature Extraction for Rotating Machinery Diagnosis. IEEE Transactions on Industrial Electronics, 2022, 69, 4167-4176.	7.9	82
2	A gradient boosting decision tree algorithm combining synthetic minority oversampling technique for lithology identification. Geophysics, 2020, 85, WA147-WA158.	2.6	64
3	Dynamic Graph-Based Feature Learning With Few Edges Considering Noisy Samples for Rotating Machinery Fault Diagnosis. IEEE Transactions on Industrial Electronics, 2022, 69, 10595-10604.	7.9	49
4	Imbalanced fault diagnosis of rotating machinery using autoencoder-based SuperGraph feature learning. Frontiers of Mechanical Engineering, 2021, 16, 829-839.	4.3	29
5	Fast prediction of reservoir permeability based on embedded feature selection and LightGBM using direct logging data. Measurement Science and Technology, 2020, 31, 045101.	2.6	25
6	An improved multi-channel graph convolutional network and its applications for rotating machinery diagnosis. Measurement: Journal of the International Measurement Confederation, 2022, 190, 110720.	5.0	25
7	A Hybrid Multi-Objective Optimization Model for Vibration Tendency Prediction of Hydropower Generators. Sensors, 2019, 19, 2055.	3.8	17
8	Rotated Feature Network for Multiorientation Object Detection of Remote-Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 33-37.	3.1	17
9	Transferable graph features-driven cross-domain rotating machinery fault diagnosis. Knowledge-Based Systems, 2022, 250, 109069.	7.1	17
10	Colon Polyp Detection and Segmentation Based on Improved MRCNN. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	16
11	Fault diagnosis of key components in the rotating machinery based on Fourier transform multi-filter decomposition and optimized LightGBM. Measurement Science and Technology, 2021, 32, 015004.	2.6	16
12	Deep graph feature learning-based diagnosis approach for rotating machinery using multi-sensor data. Journal of Intelligent Manufacturing, 2023, 34, 1965-1974.	7.3	13
13	Data-driven prediction and analysis method for nanoparticle transport behavior in porous media. Measurement: Journal of the International Measurement Confederation, 2021, 172, 108869.	5.0	12
14	An improved lithology identification approach based on representation enhancement by logging feature decomposition, selection and transformation. Journal of Petroleum Science and Engineering, 2022, 209, 109842.	4.2	12
15	Anode effect prediction based on a singular value thresholding and extreme gradient boosting approach. Measurement Science and Technology, 2019, 30, 015104.	2.6	11
16	Transfer Graph-Driven Rotating Machinery Diagnosis Considering Cross-Domain Relationship Construction. IEEE/ASME Transactions on Mechatronics, 2022, 27, 5351-5360.	5.8	11
17	Domain adaptation-based deep feature learning method with a mixture of distance measures for bearing fault diagnosis. Measurement Science and Technology, 2021, 32, 095105.	2.6	10
18	Sequential data-driven cross-domain lithology identification under logging data distribution discrepancy. Measurement Science and Technology, 2021, 32, 125122.	2.6	10

#	ARTICLE	IF	CITATIONS
19	Anode effect prediction of aluminum electrolysis using GRNN. , 2015, , .		9
20	Cell resistance slope combined with LVQ neural network for prediction of anode effect. , 2015, , .		8
21	A Node-Level PathGraph-Based Bearing Remaining Useful Life Prediction Method. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	8
22	A Feature Transferring Fault Diagnosis based on WPDR, FSWT and GoogLeNet. , 2020, , .		6
23	An imbalance aware lithography hotspot detection method based on HDAM and pre-trained GoogLeNet. Measurement Science and Technology, 2021, 32, 125008.	2.6	6
24	Permeability estimation using relaxation time spectra derived from differential evolution inversion. Journal of Geophysics and Engineering, 2014, 11, .	1.4	5
25	An Information Entropy-Based Modeling Method for the Measurement System. Entropy, 2019, 21, 691.	2.2	5
26	Neural-Adaptive Finite-Time Formation Tracking Control of Multiple Nonholonomic Agents With a Time-Varying Target. IEEE Access, 2020, 8, 62943-62953.	4.2	5
27	A time domain induced polarization relaxation time spectrum inversion method based on a damping factor and residual correction. Petroleum Science, 2014, 11, 519-525.	4.9	3
28	Anode Effect prediction based on Expectation Maximization and XGBoost model. , 2018, , .		3
29	A modified neighborhood mutual information and light gradient boosting machine-based long-term prediction approach for anode effect. Measurement Science and Technology, 2019, 30, 115105.	2.6	3
30	Cross-Domain Fault Diagnosis Method for Rotating Machinery Based on Multi-Representation Adaptation Neural Network. , 2020, , .		3
31	Research into the inversion of the induced polarization relaxation time spectrum based on the uniform amplitude sampling method. Petroleum Science, 2016, 13, 64-76.	4.9	2
32	An improved TSVD-GCV inversion algorithm of pore size distribution in time-domain induced polarization using migration Hankel matrix. Journal of Petroleum Science and Engineering, 2019, 183, 106368.	4.2	2
33	Automatic Recognition of Communication Signal Modulation Based on the Multiple-Parallel Complex Convolutional Neural Network. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	1.2	2
34	Aluminum Electrolysis Multi-fault Diagnosis Using Wavelet Packet Decomposition and Directed Acyclic Graph Support Vector Machine. , 2019, , .		1
35	Anode effect prediction based on Light Gradient Boosting Machine. , 2019, , .		1
36	An Improved Deep Forest Model Combining Adaptive Synthetic Sampling for Automatic Lithology Identification. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
37	A fault diagnosis approach for rolling bearing based on Fourier transform multi-filter decomposition and symbolic dynamic entropy. , 2019, , .		0
38	Power Spectral Entropy-based Graph Construction for Rotating Machinery Diagnosis Using Multi-sensor. , 2021, , .		0