Liu Xinhua

List of Publications by Year
in descending order

		840776	940533
27 papers	283 citations	11 h-index	16 g-index
27 all docs	27 docs citations	27 times ranked	303 citing authors

#	Article	IF	Citations
1	An Integrated Denoising Method for Sensor Mixed Noises Based on Wavelet Packet Transform and Energy-Correlation Analysis. Journal of Sensors, 2014, 2014, 1-11.	1.1	52
2	Adaptive Wavelet Threshold Denoising Method for Machinery Sound Based on Improved Fruit Fly Optimization Algorithm. Applied Sciences (Switzerland), 2016, 6, 199.	2.5	35
3	A Novel Denoising Method for an Acoustic-Based System through Empirical Mode Decomposition and an Improved Fruit Fly Optimization Algorithm. Applied Sciences (Switzerland), 2017, 7, 215.	2.5	21
4	Cutting Pattern Identification for Coal Mining Shearer through a Swarm Intelligenceâ€"Based Variable Translation Wavelet Neural Network. Sensors, 2018, 18, 382.	3.8	17
5	Image Enhancement for Surveillance Video of Coal Mining Face Based on Single-Scale Retinex Algorithm Combined with Bilateral Filtering. Symmetry, 2017, 9, 93.	2.2	16
6	Damage Detection for Conveyor Belt Surface Based on Conditional Cycle Generative Adversarial Network. Sensors, 2022, 22, 3485.	3.8	16
7	A Cutting Pattern Recognition Method for Shearers Based on Improved Ensemble Empirical Mode Decomposition and a Probabilistic Neural Network. Sensors, 2015, 15, 27721-27737.	3.8	15
8	Acoustic-Based Cutting Pattern Recognition for Shearer through Fuzzy C-Means and a Hybrid Optimization Algorithm. Applied Sciences (Switzerland), 2016, 6, 294.	2.5	15
9	Belt Tear Detection for Coal Mining Conveyors. Micromachines, 2022, 13, 449.	2.9	15
10	Vibration-Based Signal Analysis for Shearer Cutting Status Recognition Based on Local Mean Decomposition and Fuzzy C-Means Clustering. Applied Sciences (Switzerland), 2017, 7, 164.	2.5	12
11	Health Condition Evaluation for a Shearer through the Integration of a Fuzzy Neural Network and Improved Particle Swarm Optimization Algorithm. Applied Sciences (Switzerland), 2016, 6, 171.	2.5	11
12	An Improved Genetic Fuzzy Logic Control Method to Reduce the Enlargement of Coal Floor Deformation in Shearer Memory Cutting Process. Computational Intelligence and Neuroscience, 2016, 2016, 1-14.	1.7	11
13	Design, Fabrication, and Testing of a Novel Ferrofluid Soft Capsule Robot. IEEE/ASME Transactions on Mechatronics, 2022, 27, 1403-1413.	5.8	9
14	A new combined braking approach of magnetorheological fluids brake based on fuzzy controller and improved PID controller. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622110171.	2.1	8
15	A Novel Ferrofluid Rolling Robot: Design, Manufacturing, and Experimental Analysis. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	6
16	A Novel Approach for Shearer Memory Cutting Based on Fuzzy Optimization Method. Advances in Mechanical Engineering, 2013, 5, 319272.	1.6	5
17	Machine vision-based intelligent manufacturing using a novel dual-template matching: a case study for lithium battery positioning. International Journal of Advanced Manufacturing Technology, 2021, 116, 2531-2551.	3.0	5
18	A Pressure Control Method for Emulsion Pump Station Based on Elman Neural Network. Computational Intelligence and Neuroscience, 2015, 2015, 1-8.	1.7	3

#	Article	IF	Citations
19	A Dynamic Health Assessment Approach for Shearer Based on Artificial Immune Algorithm. Computational Intelligence and Neuroscience, 2016, 2016, 1-12.	1.7	3
20	A novel identification approach for shearer running status through integration of rough sets and improved wavelet neural network. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 2792-2805.	2.1	3
21	A Novel Adjustment Method for Shearer Traction Speed through Integration of T-S Cloud Inference Network and Improved PSO. Computational Intelligence and Neuroscience, 2014, 2014, 1-13.	1.7	2
22	A State Recognition Approach for Complex Equipment Based on a Fuzzy Probabilistic Neural Network. Algorithms, 2016, 9, 34.	2.1	2
23	Influence of the Drive Plate with Different Surface Textures on the Property of Carbonyl Iron-Based Magnetorheological Fluid. Advances in Materials Science and Engineering, 2020, 2020, 1-10.	1.8	1
24	A Novel Approach for Modeling and Simulation of Helix Twisting Structure Based on Mass-Spring Model. Advances in Mechanical Engineering, 2013, 5, 971251.	1.6	0
25	Mechanical Analysis and Pathway Simulation of Tennis Topspin. , 2021, , .		0
26	Effect of the grinding parameters on surface topography considering vibration characteristics. , 2021, , .		0
27	Downscaling Microwave Soil Moisture Products with SM-RDNet for Semiarid Mining Areas. Water (Switzerland), 2022, 14, 1792.	2.7	0