Liu Xinhua

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	Design, Fabrication, and Testing of a Novel Ferrofluid Soft Capsule Robot. IEEE/ASME Transactions on Mechatronics, 2022, 27, 1403-1413.	5.8	9
2	Belt Tear Detection for Coal Mining Conveyors. Micromachines, 2022, 13, 449.	2.9	15
3	Damage Detection for Conveyor Belt Surface Based on Conditional Cycle Generative Adversarial Network. Sensors, 2022, 22, 3485.	3.8	16
4	Downscaling Microwave Soil Moisture Products with SM-RDNet for Semiarid Mining Areas. Water (Switzerland), 2022, 14, 1792.	2.7	0
5	Mechanical Analysis and Pathway Simulation of Tennis Topspin. , 2021, , .		0
6	A Novel Ferrofluid Rolling Robot: Design, Manufacturing, and Experimental Analysis. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	6
7	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
8	Effect of the grinding parameters on surface topography considering vibration characteristics. , 2021, , .		0
9	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
10	Cutting Pattern Identification for Coal Mining Shearer through a Swarm Intelligence–Based Variable Translation Wavelet Neural Network. Sensors, 2018, 18, 382.	3.8	17
11	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
12	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
13	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
14	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
15	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
16	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
17	A Dynamic Health Assessment Approach for Shearer Based on Artificial Immune Algorithm. Computational Intelligence and Neuroscience, 2016, 2016, 1-12.	1.7	3
18	A State Recognition Approach for Complex Equipment Based on a Fuzzy Probabilistic Neural Network. Algorithms, 2016, 9, 34.	2.1	2

#	Article	IF	Citations
19	Adaptive Wavelet Threshold Denoising Method for Machinery Sound Based on Improved Fruit Fly Optimization Algorithm. Applied Sciences (Switzerland), 2016, 6, 199.	2.5	35
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 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
22	A Pressure Control Method for Emulsion Pump Station Based on Elman Neural Network. Computational Intelligence and Neuroscience, 2015, 2015, 1-8.	1.7	3
23	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
24	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
25	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
26	A Novel Approach for Shearer Memory Cutting Based on Fuzzy Optimization Method. Advances in Mechanical Engineering, 2013, 5, 319272.	1.6	5
27	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