

Jianbo Yu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8714714/jianbo-yu-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

174
papers

3,539
citations

33
h-index

54
g-index

181
ext. papers

4,761
ext. citations

4.8
avg, IF

6.86
L-index

#	Paper	IF	Citations
174	Enhanced strength-ductility synergy in ultrafine-grained eutectic high-entropy alloys by inheriting microstructural lamellae. <i>Nature Communications</i> , 2019 , 10, 489	17.4	251
173	Bearing performance degradation assessment using locality preserving projections and Gaussian mixture models. <i>Mechanical Systems and Signal Processing</i> , 2011 , 25, 2573-2588	7.8	183
172	A similarity-based prognostics approach for Remaining Useful Life estimation of engineered systems 2008 ,		183
171	Evolving artificial neural networks using an improved PSO and DPSO. <i>Neurocomputing</i> , 2008 , 71, 1054-1060	9.4	158
170	Local and Nonlocal Preserving Projection for Bearing Defect Classification and Performance Assessment. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 2363-2376	8.9	116
169	Local and global principal component analysis for process monitoring. <i>Journal of Process Control</i> , 2012 , 22, 1358-1373	3.9	107
168	State of health prediction of lithium-ion batteries: Multiscale logic regression and Gaussian process regression ensemble. <i>Reliability Engineering and System Safety</i> , 2018 , 174, 82-95	6.3	94
167	Health Condition Monitoring of Machines Based on Hidden Markov Model and Contribution Analysis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2012 , 61, 2200-2211	5.2	82
166	Bearing performance degradation assessment using locality preserving projections. <i>Expert Systems With Applications</i> , 2011 , 38, 7440-7450	7.8	82
165	An effective heuristic for flexible job-shop scheduling problem with maintenance activities. <i>Computers and Industrial Engineering</i> , 2010 , 59, 436-447	6.4	72
164	Wafer Map Defect Detection and Recognition Using Joint Local and Nonlocal Linear Discriminant Analysis. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2016 , 29, 33-43	2.6	70
163	Fault Detection Using Principal Components-Based Gaussian Mixture Model for Semiconductor Manufacturing Processes. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2011 , 24, 432-444	2.6	70
162	A neural network ensemble-based model for on-line monitoring and diagnosis of out-of-control signals in multivariate manufacturing processes. <i>Expert Systems With Applications</i> , 2009 , 36, 909-921	7.8	67
161	A hybrid feature selection scheme and self-organizing map model for machine health assessment. <i>Applied Soft Computing Journal</i> , 2011 , 11, 4041-4054	7.5	63
160	An Improved Particle Swarm Optimization for Evolving Feedforward Artificial Neural Networks. <i>Neural Processing Letters</i> , 2007 , 26, 217-231	2.4	63
159	Hidden Markov models combining local and global information for nonlinear and multimodal process monitoring. <i>Journal of Process Control</i> , 2010 , 20, 344-359	3.9	60
158	Hierarchical crack buffering triples ductility in eutectic herringbone high-entropy alloys. <i>Science</i> , 2021 , 373, 912-918	33.3	60

157	Bi-objective identical parallel machine scheduling to minimize total energy consumption and makespan. <i>Journal of Cleaner Production</i> , 2018 , 193, 424-440	10.3	55
156	One-Dimensional Residual Convolutional Autoencoder Based Feature Learning for Gearbox Fault Diagnosis. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 6347-6358	11.9	54
155	One-dimensional convolutional auto-encoder-based feature learning for fault diagnosis of multivariate processes. <i>Journal of Process Control</i> , 2020 , 87, 54-67	3.9	51
154	Weak Fault Feature Extraction of Rolling Bearings Using Local Mean Decomposition-Based Multilayer Hybrid Denoising. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017 , 66, 3148-3159 ^{5.2}	5.2	50
153	Adaptive hidden Markov model-based online learning framework for bearing faulty detection and performance degradation monitoring. <i>Mechanical Systems and Signal Processing</i> , 2017 , 83, 149-162	7.8	46
152	Evolutionary manifold regularized stacked denoising autoencoders for gearbox fault diagnosis. <i>Knowledge-Based Systems</i> , 2019 , 178, 111-122	7.3	44
151	A selective deep stacked denoising autoencoders ensemble with negative correlation learning for gearbox fault diagnosis. <i>Computers in Industry</i> , 2019 , 108, 62-72	11.6	44
150	State-of-Health Monitoring and Prediction of Lithium-Ion Battery Using Probabilistic Indication and State-Space Model. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2015 , 64, 2937-2949	5.2	44
149	A modified support vector data description based novelty detection approach for machinery components. <i>Applied Soft Computing Journal</i> , 2013 , 13, 1193-1205	7.5	44
148	Identifying source(s) of out-of-control signals in multivariate manufacturing processes using selective neural network ensemble. <i>Engineering Applications of Artificial Intelligence</i> , 2009 , 22, 141-152	7.2	43
147	Average combination difference morphological filters for fault feature extraction of bearing. <i>Mechanical Systems and Signal Processing</i> , 2018 , 100, 827-845	7.8	40
146	A deep autoencoder feature learning method for process pattern recognition. <i>Journal of Process Control</i> , 2019 , 79, 1-15	3.9	38
145	Stacked convolutional sparse denoising auto-encoder for identification of defect patterns in semiconductor wafer map. <i>Computers in Industry</i> , 2019 , 109, 121-133	11.6	34
144	Knowledge extraction and insertion to deep belief network for gearbox fault diagnosis. <i>Knowledge-Based Systems</i> , 2020 , 197, 105883	7.3	34
143	A neural network ensemble model for on-line monitoring of process mean and variance shifts in correlated processes. <i>Expert Systems With Applications</i> , 2010 , 37, 4058-4065	7.8	34
142	Intelligent monitoring and diagnosis of manufacturing processes using an integrated approach of KBANN and GA. <i>Computers in Industry</i> , 2008 , 59, 489-501	11.6	34
141	Machine health prognostics using the Bayesian-inference-based probabilistic indication and high-order particle filtering framework. <i>Journal of Sound and Vibration</i> , 2015 , 358, 97-110	3.9	32
140	Aircraft engine health prognostics based on logistic regression with penalization regularization and state-space-based degradation framework. <i>Aerospace Science and Technology</i> , 2017 , 68, 345-361	4.9	29

139	A nonlinear probabilistic method and contribution analysis for machine condition monitoring. <i>Mechanical Systems and Signal Processing</i> , 2013 , 37, 293-314	7.8	28
138	Health Degradation Detection and Monitoring of Lithium-Ion Battery Based on Adaptive Learning Method. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2014 , 63, 1709-1721	5.2	27
137	An energy-efficient two-stage hybrid flow shop scheduling problem in a glass production. <i>International Journal of Production Research</i> , 2020 , 58, 2283-2314	7.8	27
136	Semiconductor Manufacturing Process Monitoring Using Gaussian Mixture Model and Bayesian Method With Local and Nonlocal Information. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2012 , 25, 480-493	2.6	26
135	Sparse Coding Shrinkage in Intrinsic Time-Scale Decomposition for Weak Fault Feature Extraction of Bearings. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2018 , 67, 1579-1592	5.2	25
134	RetinaNet With Difference Channel Attention and Adaptively Spatial Feature Fusion for Steel Surface Defect Detection. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-11	5.2	25
133	Active features extracted by deep belief network for process monitoring. <i>ISA Transactions</i> , 2019 , 84, 247-261	5.5	24
132	Machine Tool Condition Monitoring Based on an Adaptive Gaussian Mixture Model. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2012 , 134,	3.3	21
131	Effects of a high-gradient magnetic field on the migratory behavior of primary crystal silicon in hypereutectic Al-Si alloy. <i>Science and Technology of Advanced Materials</i> , 2008 , 9, 024202	7.1	21
130	Modification of liquid/solid interface shape in directionally solidifying AlCu alloys by a transverse magnetic field. <i>Journal of Materials Science</i> , 2013 , 48, 213-219	4.3	20
129	Enhanced Stacked Denoising Autoencoder-Based Feature Learning for Recognition of Wafer Map Defects. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2019 , 32, 613-624	2.6	18
128	A New Morphological Filter for Fault Feature Extraction of Vibration Signals. <i>IEEE Access</i> , 2019 , 7, 53743-53753	5.3	18
127	Structure and magnetic properties of MnZn nanoferrites synthesized under a high magnetic field. <i>Journal of Applied Physics</i> , 2011 , 110, 074310	2.5	18
126	Using an MQE chart based on a self-organizing map NN to monitor out-of-control signals in manufacturing processes. <i>International Journal of Production Research</i> , 2008 , 46, 5907-5933	7.8	18
125	Machinery fault diagnosis using joint global and local/nonlocal discriminant analysis with selective ensemble learning. <i>Journal of Sound and Vibration</i> , 2016 , 382, 340-356	3.9	18
124	Deep morphological convolutional network for feature learning of vibration signals and its applications to gearbox fault diagnosis. <i>Mechanical Systems and Signal Processing</i> , 2021 , 161, 107984	7.8	18
123	Fabrication of textured Si ₃ N ₄ ceramics with Si ₃ N ₄ powders as raw material by gel-casting under strong magnetic field. <i>Materials Letters</i> , 2014 , 135, 218-221	3.3	17
122	A hybrid learning-based model for on-line monitoring and diagnosis of out-of-control signals in multivariate manufacturing processes. <i>International Journal of Production Research</i> , 2009 , 47, 4077-4108	7.8	17

121	Manifold regularized stacked autoencoders-based feature learning for fault detection in industrial processes. <i>Journal of Process Control</i> , 2020 , 92, 119-136	3.9	17
120	Tool condition prognostics using logistic regression with penalization and manifold regularization. <i>Applied Soft Computing Journal</i> , 2018 , 64, 454-467	7.5	16
119	Online tool wear prediction in drilling operations using selective artificial neural network ensemble model. <i>Neural Computing and Applications</i> , 2011 , 20, 473-485	4.8	16
118	Identification of product definition patterns in mass customization using a learning-based hybrid approach. <i>International Journal of Advanced Manufacturing Technology</i> , 2008 , 38, 1061-1074	3.2	16
117	Process monitoring through manifold regularization-based GMM with global/local information. <i>Journal of Process Control</i> , 2016 , 45, 84-99	3.9	15
116	Magnetic-field dependence of nucleation undercoolings in non-magnetic metallic melts. <i>Philosophical Magazine Letters</i> , 2015 , 95, 37-43	1	14
115	Multichannel one-dimensional convolutional neural network-based feature learning for fault diagnosis of industrial processes. <i>Neural Computing and Applications</i> , 2021 , 33, 3085-3104	4.8	14
114	Columnar-to-Equiaxed Transition and Equiaxed Grain Alignment in Directionally Solidified Ni3Al Alloy Under an Axial Magnetic Field. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017 , 48, 4193-4203	2.3	13
113	Using Minimum Quantization Error chart for the monitoring of process states in multivariate manufacturing processes. <i>Computers and Industrial Engineering</i> , 2009 , 57, 1300-1312	6.4	13
112	Stacked denoising autoencoder-based feature learning for out-of-control source recognition in multivariate manufacturing process. <i>Quality and Reliability Engineering International</i> , 2019 , 35, 204-223	2.6	13
111	LRProb control chart based on logistic regression for monitoring mean shifts of auto-correlated manufacturing processes. <i>International Journal of Production Research</i> , 2011 , 49, 2301-2326	7.8	12
110	Convolutional Long Short-Term Memory Autoencoder-Based Feature Learning for Fault Detection in Industrial Processes. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-15	5.2	12
109	Manifold regularized stacked denoising autoencoders with feature selection. <i>Neurocomputing</i> , 2019 , 358, 235-245	5.4	11
108	A template-free route for controlled synthesis of dumbbell-like Sb ₂ S ₃ microcrystals. <i>Crystal Research and Technology</i> , 2009 , 44, 851-856	1.3	11
107	Variable neighborhood search-based methods for integrated hybrid flow shop scheduling with distribution. <i>Soft Computing</i> , 2020 , 24, 8917-8936	3.5	11
106	Two-Dimensional Principal Component Analysis-Based Convolutional Autoencoder for Wafer Map Defect Detection. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 8789-8797	8.9	11
105	A machine vision method for measurement of machining tool wear. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 182, 109683	4.6	11
104	Enhanced diffusivity in Ni-Al system by alternating magnetic field. <i>Applied Physics Letters</i> , 2017 , 110, 074102	3.4	10

103	The mechanism of inclusion removal from molten steel by dissolved gas flotation. <i>Ironmaking and Steelmaking</i> , 2018 , 45, 648-654	1.3	10
102	Influence of an Axial Magnetic Field on Microstructures and Alignment in Directionally Solidified Ni-based Superalloy. <i>ISIJ International</i> , 2017 , 57, 337-342	1.7	10
101	AKRNet: A novel convolutional neural network with attentive kernel residual learning for feature learning of gearbox vibration signals. <i>Neurocomputing</i> , 2021 , 447, 23-37	5.4	10
100	Health condition monitoring of machines based on long short-term memory convolutional autoencoder. <i>Applied Soft Computing Journal</i> , 2021 , 107, 107379	7.5	10
99	A Deep Domain Adaptive Network for Remaining Useful Life Prediction of Machines Under Different Working Conditions and Fault Modes. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-14	5.2	10
98	Effect of Primary Dendrite Orientation on Stray Grain Formation in Cross-Section Change Region During the Directional Solidification of Ni-Based Superalloy. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2017 , 48, 394-405	2.5	9
97	Alternating-magnetic-field induced enhancement of diffusivity in Ni-Cr alloys. <i>Scientific Reports</i> , 2017 , 7, 18085	4.9	9
96	Online intelligent monitoring and diagnosis of aircraft horizontal stabilizer assemble processes. <i>International Journal of Advanced Manufacturing Technology</i> , 2010 , 50, 377-389	3.2	9
95	Fault detection and recognition of multivariate process based on feature learning of one-dimensional convolutional neural network and stacked denoised autoencoder. <i>International Journal of Production Research</i> , 2021 , 59, 2426-2449	7.8	9
94	Layer-by-Layer Enhancement Strategy of Favorable Features of the Deep Belief Network for Industrial Process Monitoring. <i>Industrial & Engineering Chemistry Research</i> , 2018 ,	3.9	9
93	Preparation of c-axis textured SiC ceramics by a strong magnetic field of 6 T assisted gel-casting process. <i>Ceramics International</i> , 2016 , 42, 6168-6177	5.1	8
92	AKSNet: A novel convolutional neural network with adaptive kernel width and sparse regularization for machinery fault diagnosis. <i>Journal of Manufacturing Systems</i> , 2021 , 59, 467-480	9.1	8
91	Wafer Map Defect Recognition Based on Deep Transfer Learning 2019 ,		8
90	An Adaptive Weighted Adjacent Difference Sparse Representation for Bearing Fault Diagnosis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-9	5.2	8
89	Effects of a High Magnetic Field on the Microstructure of Ni-Based Single-Crystal Superalloys During Directional Solidification. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017 , 48, 3804-3813	2.3	7
88	Improvement in creep life of a nickel-based single-crystal superalloy via composition homogeneity on the multiscales by magnetic-field-assisted directional solidification. <i>Scientific Reports</i> , 2018 , 8, 1452	4.9	7
87	Deep recurrent neural network-based residual control chart for autocorrelated processes. <i>Quality and Reliability Engineering International</i> , 2019 , 35, 2687-2708	2.6	7
86	Microstructure and Mechanical Properties of Ni-based Superalloy K418 Produced by the Continuous Unidirectional Solidification Process. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 6483-6491	1.6	7

85	Measurement of contact angles at room temperature in high magnetic field. <i>Review of Scientific Instruments</i> , 2017 , 88, 115110	1.7	7
84	Pattern recognition of manufacturing process signals using Gaussian mixture models-based recognition systems. <i>Computers and Industrial Engineering</i> , 2011 , 61, 881-890	6.4	7
83	Monitoring of complex profiles based on deep stacked denoising autoencoders. <i>Computers and Industrial Engineering</i> , 2020 , 143, 106402	6.4	7
82	Sparsity and manifold regularized convolutional auto-encoders-based feature learning for fault detection of multivariate processes. <i>Control Engineering Practice</i> , 2021 , 111, 104811	3.9	7
81	Two-dimensional joint local and nonlocal discriminant analysis-based 2D image feature extraction for deep learning. <i>Neural Computing and Applications</i> , 2020 , 32, 6009-6024	4.8	7
80	Microsegregation Formation in AlCu Alloy under Action of Steady Magnetic Field. <i>ISIJ International</i> , 2018 , 58, 899-904	1.7	7
79	Gaussian mixture models-based control chart pattern recognition. <i>International Journal of Production Research</i> , 2012 , 50, 6746-6762	7.8	6
78	Nanocrystalline Ce _{1-x} La _x O ₂ Solid Solutions Synthesized by Hydrolyzing and Oxidizing. <i>Journal of Electronic Materials</i> , 2016 , 45, 2559-2562	1.9	6
77	A Bi-Objective Vehicle-Routing Problem with Soft Time Windows and Multiple Depots to Minimize the Total Energy Consumption and Customer Dissatisfaction. <i>Sustainability</i> , 2018 , 10, 4257	3.6	6
76	Effect of Heat Treatment Combined with an Alternating Magnetic Field on Microstructure and Mechanical Properties of a Ni-Based Superalloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019 , 50, 1837-1850	2.3	5
75	Identical parallel machine scheduling with assurance of maximum waiting time for an emergency job. <i>Computers and Operations Research</i> , 2020 , 118, 104918	4.6	5
74	An Electromagnetic Compounding Technique for Counteracting the Thermoelectric Magnetic Effect During Directional Solidification Under a Transverse Static Magnetic Field. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018 , 49, 3373-3382	2.3	5
73	Microstructure Evolution and Mechanical Properties Improvement in Magnetic-controlled Electroslag Remelted Bearing Steel. <i>ISIJ International</i> , 2020 , 60, 2462-2470	1.7	5
72	. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2020 , 33, 454-465	2.6	5
71	One-dimensional convolutional neural network-based active feature extraction for fault detection and diagnosis of industrial processes and its understanding via visualization. <i>ISA Transactions</i> , 2021 ,	5.5	5
70	Chisel edge wear measurement of high-speed steel twist drills based on machine vision. <i>Computers in Industry</i> , 2021 , 128, 103436	11.6	5
69	Effect of Si ₃ N ₄ Initial Powder Size on Texture Development of Porous Si ₃ N ₄ Ceramics Prepared by Gel-Casting in a Magnetic Field. <i>Transactions of the Indian Ceramic Society</i> , 2016 , 75, 256-262	1.8	5
68	Effect of a Transverse Magnetic Field on Stray Grain Formation of Ni-Based Single Crystal Superalloy During Directional Solidification. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2016 , 47, 3231-3236	2.5	5

67	Joint Feature and Label Adversarial Network for Wafer Map Defect Recognition. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 1341-1353	4.9	5
66	Long-Term Performance Prediction of PEMFC Based on LASSO-ESN. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-11	5.2	5
65	Steel/Slag Interface Behavior under Multifunction Electromagnetic Driving in a Continuous Casting Slab Mold. <i>Metals</i> , 2019 , 9, 983	2.3	4
64	Intelligent monitoring and diagnosis of manufacturing process using an integrated approach of neural network ensemble and genetic algorithm. <i>International Journal of Computer Applications in Technology</i> , 2008 , 33, 109	0.7	4
63	Sparse Representation Convolutional Autoencoder for Feature Learning of Vibration Signals and Its Applications in Machinery Fault Diagnosis. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	4
62	Constrained Oversampling: An Oversampling Approach to Reduce Noise Generation in Imbalanced Datasets with Class Overlapping. <i>IEEE Access</i> , 2020 , 1-1	3.5	4
61	Residual attention convolutional autoencoder for feature learning and fault detection in nonlinear industrial processes. <i>Neural Computing and Applications</i> , 2021 , 33, 12737	4.8	4
60	Extracting and inserting knowledge into stacked denoising auto-encoders. <i>Neural Networks</i> , 2021 , 137, 31-42	9.1	4
59	Adaptive Densely Connected Convolutional Auto-Encoder-Based Feature Learning of Gearbox Vibration Signals. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-11	5.2	4
58	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-11	5.2	4
57	Fault Detection of Rolling Bearing Using Sparse Representation-Based Adjacent Signal Difference. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-16	5.2	4
56	Magnetic field-assisted solvothermal synthesis and the magnetic properties of Fe-doped CeO ₂ nanoparticles. <i>Journal of Asian Ceramic Societies</i> , 2020 , 8, 615-623	2.4	3
55	Modeling Large-Scale Industrial Processes by Multiple Deep Belief Networks With Lower-Pressure and Higher-Precision for Status Monitoring. <i>IEEE Access</i> , 2020 , 8, 20439-20448	3.5	3
54	A Method of Stray Grain Suppression for Single-Crystal Superalloy During Seed Melt-Back. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016 , 47, 5691-5697	2.3	3
53	Surface Defect Detection of Steel Strips Based on Anchor-free Network with Channel Attention and Bidirectional Feature Fusion. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 1-1	5.2	3
52	An improved formulation and efficient heuristics for the discrete parallel-machine makespan ScheLoc problem. <i>Computers and Industrial Engineering</i> , 2020 , 140, 106238	6.4	3
51	Multi-scale Weighted Morphological Network-based Feature Learning of Vibration Signals for Machinery Fault Diagnosis. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 1-1	5.5	3
50	One-dimensional residual convolutional auto-encoder for fault detection in complex industrial processes. <i>International Journal of Production Research</i> , 1-20	7.8	3

49	A novel gravity-assisted automatic docking device for studying diffusion in liquid metal melts assisted by a strong static magnetic field. <i>Review of Scientific Instruments</i> , 2021 , 92, 094903	1.7	3
48	Multisource Domain Adaption for Health Degradation Monitoring of Lithium-Ion Batteries. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 2279-2292	7.6	3
47	Evolutions of the Micro- and Macrostructure and Tensile Property of Cu-15Ni-8Sn Alloy During Electromagnetic Stirring-Assisted Horizontal Continuous Casting. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2019 , 50, 2111-2120	2.5	2
46	A Neural Network Ensemble Approach for the Recognition of SPC Chart Patterns 2007 ,		2
45	Effect of distribution of magnetic flux density on purifying liquid metal by travelling magnetic field. <i>Journal of Shanghai University</i> , 1999 , 3, 157-161		2
44	A sparse domain adaption network for remaining useful life prediction of rolling bearings under different working conditions. <i>Reliability Engineering and System Safety</i> , 2021 , 219, 108259	6.3	2
43	The interval minmax regret knapsack packing-delivery problem. <i>International Journal of Production Research</i> , 2020 , 1-17	7.8	2
42	Multiple Granularities Generative Adversarial Network for Recognition of Wafer Map Defects. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	2
41	Precipitation Behavior of Nitride Inclusions in K418 Alloy under the Continuous Unidirectional Solidification Process. <i>ISIJ International</i> , 2021 , 61, 229-238	1.7	2
40	Effect of a High Magnetic Field on γ Phase for Ni-Based Single Crystal Superalloy During Directional Solidification. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2018 , 49, 1919-1924	2.5	2
39	Deep unLSTM network: Features with memory information extracted from unlabeled data and their application on industrial unsupervised industrial fault detection. <i>Applied Soft Computing Journal</i> , 2021 , 108, 107382	7.5	2
38	Wafer map defect recognition based on deep transfer learning-based densely connected convolutional network and deep forest. <i>Engineering Applications of Artificial Intelligence</i> , 2021 , 105, 104387	7.2	2
37	The Change of Mushy-Zone Length of a Nickel-Based Single-Crystal Superalloy During the Static-Magnetic-Field-Assisted Directional Solidification. <i>Crystal Research and Technology</i> , 2018 , 53, 1700187	1.3	1
36	The Effect of Static Magnetic Field on the Channel Formation during Directional Solidification of Aqueous Ammonium Chloride Solution. <i>Crystal Research and Technology</i> , 2018 , 53, 1800113	1.3	1
35	Weighted Self-Regulation Complex Network-Based Variation Modeling and Error Source Diagnosis of Hybrid Multistage Machining Processes. <i>IEEE Access</i> , 2019 , 7, 36033-36044	3.5	1
34	Progress in Research on Solidification in a Strong Static Magnetic Field. <i>Steel Research International</i> , 2007 , 78, 373-378	1.6	1
33	Deep sparse representation network for feature learning of vibration signals and its application in gearbox fault diagnosis. <i>Knowledge-Based Systems</i> , 2022 , 240, 108116	7.3	1
32	Fault Feature Extraction of Rolling Bearings Using Local Mean Decomposition-Based Enhanced Sparse Coding Shrinkage. <i>Journal of King Saud University, Engineering Sciences</i> , 2021 ,	2.2	1

31	State-of-Health Estimation for Lithium-Ion Batteries Using Domain Adversarial Transfer Learning. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 3528-3543	7.2	1
30	Enhancement of Inclusion Removal in Electroslag Remelted M2 High-Speed Steel Assisted by Axial Static Magnetic Field. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021 , 52, 5135	2.3	1
29	Sparse one-dimensional convolutional neural network-based feature learning for fault detection and diagnosis in multivariable manufacturing processes. <i>Neural Computing and Applications</i> , 1	4.8	1
28	Influence of yttrium oxide addition and sintering temperature on properties of alumina-based ceramic cores. <i>International Journal of Applied Ceramic Technology</i> , 2020 , 17, 685-694	2	1
27	Robust (min ϵ max regret) single machine scheduling with interval processing times and total tardiness criterion. <i>Computers and Industrial Engineering</i> , 2020 , 149, 106838	6.4	1
26	Carbides Modification and Mechanical Properties Enhancement of Cr12MoV Die Steel by Magnetically Controlled Electroslag Remelting. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021 , 52, 1495-1507	2.5	1
25	Magnetic field-dependent microstructure evolution and magnetic property of Fe β .5 Si β .05 B alloy during solidification. <i>Journal of Materials Research</i> , 2019 , 34, 4076-4084	2.5	1
24	Preparation, mechanical, and leaching properties of CaZrO β ceramic cores. <i>International Journal of Applied Ceramic Technology</i> , 2021 , 18, 1490-1497	2	1
23	Deep Transfer Network With Adaptive Joint Distribution Adaptation: A New Process Fault Diagnosis Model. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 71, 1-13	5.2	1
22	Adaptive sparse representation-based minimum entropy deconvolution for bearing fault detection. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 1-1	5.2	1
21	Multi-level features fusion network-based feature learning for machinery fault diagnosis. <i>Applied Soft Computing Journal</i> , 2022 , 122, 108900	7.5	1
20	Cell-to-Dendrite Transition Induced by a Static Transverse Magnetic Field During Laser Remelting of the Nickel-Based Superalloy. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2018 , 49, 3211-3219	2.5	0
19	Adaptive k-sparsity-based weighted Lasso for bearing fault detection. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	0
18	A machine vision method for measurement of drill tool wear. <i>International Journal of Advanced Manufacturing Technology</i> , 1	3.2	0
17	Morphology transition of eutectic carbide assisted by thermoelectric magnetic force during the directional solidification of M2 high-speed steel. <i>Ironmaking and Steelmaking</i> , 2021 , 48, 885-892	1.3	0
16	Effect of sintering aids on microstructure and properties of textured SiC ceramics prepared in 6 T. <i>Journal of Asian Ceramic Societies</i> , 2021 , 9, 85-95	2.4	0
15	Effect of CaO and SiO β 2 on the properties of Y β 2O β 3-based ceramic core materials. <i>Journal of Asian Ceramic Societies</i> , 1-11	2.4	0
14	Deep transfer Wasserstein adversarial network for wafer map defect recognition. <i>Computers and Industrial Engineering</i> , 2021 , 161, 107679	6.4	0

13	Ex-situ study of diffusion in liquid AlCu melts under a transverse magnetic field using X-ray imaging. <i>Philosophical Magazine Letters</i> , 2022 , 102, 151-159	1	0
12	Pruning graph convolutional network-based feature learning for fault diagnosis of industrial processes. <i>Journal of Process Control</i> , 2022 , 113, 101-113	3.9	0
11	Knowledge Transfer-Based Sparse Deep Belief Network. <i>IEEE Transactions on Cybernetics</i> , 2022 , 1-12	10.2	0
10	Effect of TiB ₂ addition on grain orientation of porous Si ₃ N ₄ -TiB ₂ composites by magnetic field alignment technology. <i>International Journal of Applied Ceramic Technology</i> , 2019 , 16, 1381-1389	2	
9	Effects of ZrB ₂ addition on texture development and properties of porous Si ₃ N ₄ -ZrB ₂ composites by magnetic field alignment. <i>Journal of Asian Ceramic Societies</i> , 2019 , 7, 368-376	2.4	
8	Development and application of an apparatus for high-temperature measurement of magnetic susceptibility. <i>Review of Scientific Instruments</i> , 2015 , 86, 065105	1.7	
7	STRUCTURE AND MAGNETIC PROPERTIES OF NANOCRYSTALLINE MnZn FERRITES BY A PHASE TRANSFORMATION METHOD. <i>International Journal of Modern Physics B</i> , 2008 , 22, 3433-3438	1.1	
6	The Effect of Static Magnetic Field on the Length of Mushy-Zone of a Single-Crystal Nickel-Base Superalloy during Directional Solidification11-17		
5	Refining Mechanism of Pure Aluminum under Local Electromagnetic Vibration. <i>ISIJ International</i> , 2009 , 49, 1150-1155	1.7	
4	Effects of axial static magnetic field on columnar to equiaxed transition in directionally solidified low carbon steel. <i>Ironmaking and Steelmaking</i> , 2020 , 47, 398-404	1.3	
3	An integrated method for variation pattern recognition of BIW OCMM online measurement data. <i>International Journal of Production Research</i> ,1-22	7.8	
2	Unveiling microstructural origins of the balanced strengthductility combination in eutectic high-entropy alloys at cryogenic temperatures. <i>Materials Research Letters</i> , 2022 , 10, 602-610	7.4	
1	Effect of Vertical High Magnetic Field on the Morphology of Solid-Liquid Interface during the Directional Solidification of Zn-2wt.%Bi Immiscible Alloy. <i>Metals</i> , 2022 , 12, 875	2.3	