

Jianbo Yu

List of Publications by Year in descending order

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179
papers

6,141
citations

87888

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all docs

181
docs citations

181
times ranked

4320
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced strength–ductility synergy in ultrafine-grained eutectic high-entropy alloys by inheriting microstructural lamellae. <i>Nature Communications</i> , 2019, 10, 489.	12.8	505
2	Hierarchical crack buffering triples ductility in eutectic herringbone high-entropy alloys. <i>Science</i> , 2021, 373, 912-918.	12.6	304
3	A similarity-based prognostics approach for Remaining Useful Life estimation of engineered systems. , 2008, , .		275
4	Bearing performance degradation assessment using locality preserving projections and Gaussian mixture models. <i>Mechanical Systems and Signal Processing</i> , 2011, 25, 2573-2588.	8.0	218
5	Evolving artificial neural networks using an improved PSO and DPSO. <i>Neurocomputing</i> , 2008, 71, 1054-1060.	5.9	197
6	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.	8.9	176
7	Local and Nonlocal Preserving Projection for Bearing Defect Classification and Performance Assessment. <i>IEEE Transactions on Industrial Electronics</i> , 2012, 59, 2363-2376.	7.9	144
8	Local and global principal component analysis for process monitoring. <i>Journal of Process Control</i> , 2012, 22, 1358-1373.	3.3	133
9	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.	1.7	129
10	One-Dimensional Residual Convolutional Autoencoder Based Feature Learning for Gearbox Fault Diagnosis. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 6347-6358.	11.3	127
11	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.	4.7	116
12	One-dimensional convolutional auto-encoder-based feature learning for fault diagnosis of multivariate processes. <i>Journal of Process Control</i> , 2020, 87, 54-67.	3.3	103
13	An effective heuristic for flexible job-shop scheduling problem with maintenance activities. <i>Computers and Industrial Engineering</i> , 2010, 59, 436-447.	6.3	101
14	Bearing performance degradation assessment using locality preserving projections. <i>Expert Systems With Applications</i> , 2011, 38, 7440-7450.	7.6	96
15	Bi-objective identical parallel machine scheduling to minimize total energy consumption and makespan. <i>Journal of Cleaner Production</i> , 2018, 193, 424-440.	9.3	96
16	Fault Detection Using Principal Components-Based Gaussian Mixture Model for Semiconductor Manufacturing Processes. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2011, 24, 432-444.	1.7	93
17	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.	4.7	87
18	An Improved Particle Swarm Optimization for Evolving Feedforward Artificial Neural Networks. <i>Neural Processing Letters</i> , 2007, 26, 217-231.	3.2	84

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19	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.	7.6	83
20	Hidden Markov models combining local and global information for nonlinear and multimodal process monitoring. <i>Journal of Process Control</i> , 2010, 20, 344-359.	3.3	78
21	Knowledge extraction and insertion to deep belief network for gearbox fault diagnosis. <i>Knowledge-Based Systems</i> , 2020, 197, 105883.	7.1	78
22	A hybrid feature selection scheme and self-organizing map model for machine health assessment. <i>Applied Soft Computing Journal</i> , 2011, 11, 4041-4054.	7.2	76
23	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.	7.5	73
24	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.	4.7	71
25	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.	4.7	68
26	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.	8.0	64
27	A deep autoencoder feature learning method for process pattern recognition. <i>Journal of Process Control</i> , 2019, 79, 1-15.	3.3	62
28	Stacked convolutional sparse denoising auto-encoder for identification of defect patterns in semiconductor wafer map. <i>Computers in Industry</i> , 2019, 109, 121-133.	9.9	62
29	Average combination difference morphological filters for fault feature extraction of bearing. <i>Mechanical Systems and Signal Processing</i> , 2018, 100, 827-845.	8.0	61
30	A modified support vector data description based novelty detection approach for machinery components. <i>Applied Soft Computing Journal</i> , 2013, 13, 1193-1205.	7.2	60
31	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.	8.0	60
32	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.	8.1	55
33	A selective deep stacked denoising autoencoders ensemble with negative correlation learning for gearbox fault diagnosis. <i>Computers in Industry</i> , 2019, 108, 62-72.	9.9	55
34	Evolutionary manifold regularized stacked denoising autoencoders for gearbox fault diagnosis. <i>Knowledge-Based Systems</i> , 2019, 178, 111-122.	7.1	54
35	A machine vision method for measurement of machining tool wear. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 182, 109683.	5.0	49
36	Manifold regularized stacked autoencoders-based feature learning for fault detection in industrial processes. <i>Journal of Process Control</i> , 2020, 92, 119-136.	3.3	47

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37	Enhanced Stacked Denoising Autoencoder-Based Feature Learning for Recognition of Wafer Map Defects. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2019, 32, 613-624.	1.7	45
38	Intelligent monitoring and diagnosis of manufacturing processes using an integrated approach of KBANN and GA. <i>Computers in Industry</i> , 2008, 59, 489-501.	9.9	41
39	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.	5.6	41
40	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.	7.6	38
41	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.	4.8	38
42	A nonlinear probabilistic method and contribution analysis for machine condition monitoring. <i>Mechanical Systems and Signal Processing</i> , 2013, 37, 293-314.	8.0	37
43	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	37
44	Two-Dimensional Principal Component Analysis-Based Convolutional Autoencoder for Wafer Map Defect Detection. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 8789-8797.	7.9	37
45	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.	13.9	37
46	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.	1.7	36
47	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.	4.7	36
48	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.	4.7	35
49	Active features extracted by deep belief network for process monitoring. <i>ISA Transactions</i> , 2019, 84, 247-261.	5.7	33
50	A sparse domain adaption network for remaining useful life prediction of rolling bearings under different working conditions. <i>Reliability Engineering and System Safety</i> , 2022, 219, 108259.	8.9	33
51	A New Morphological Filter for Fault Feature Extraction of Vibration Signals. <i>IEEE Access</i> , 2019, 7, 53743-53753.	4.2	31
52	Health condition monitoring of machines based on long short-term memory convolutional autoencoder. <i>Applied Soft Computing Journal</i> , 2021, 107, 107379.	7.2	31
53	State-of-Health Estimation for Lithium-Ion Batteries Using Domain Adversarial Transfer Learning. <i>IEEE Transactions on Power Electronics</i> , 2022, 37, 3528-3543.	7.9	31
54	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, .	2.2	27

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55	Modification of liquid/solid interface shape in directionally solidifying Al–Cu alloys by a transverse magnetic field. <i>Journal of Materials Science</i> , 2013, 48, 213-219.	3.7	27
56	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.	5.9	26
57	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.	6.1	25
58	Process monitoring through manifold regularization-based GMM with global/local information. <i>Journal of Process Control</i> , 2016, 45, 84-99.	3.3	25
59	Tool condition prognostics using logistic regression with penalization and manifold regularization. <i>Applied Soft Computing Journal</i> , 2018, 64, 454-467.	7.2	25
60	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.	7.5	25
61	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.	4.7	25
62	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> , 2022, 71, 1-10.	4.7	24
63	Multiple Granularities Generative Adversarial Network for Recognition of Wafer Map Defects. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 1674-1683.	11.3	22
64	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.	4.7	22
65	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.	7.5	21
66	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	21
67	Sparsity and manifold regularized convolutional auto-encoders-based feature learning for fault detection of multivariate processes. <i>Control Engineering Practice</i> , 2021, 111, 104811.	5.5	21
68	Chisel edge wear measurement of high-speed steel twist drills based on machine vision. <i>Computers in Industry</i> , 2021, 128, 103436.	9.9	21
69	Online tool wear prediction in drilling operations using selective artificial neural network ensemble model. <i>Neural Computing and Applications</i> , 2011, 20, 473-485.	5.6	20
70	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> , 2022, 122, 424-443.	5.7	20
71	Sparse Representation Convolutional Autoencoder for Feature Learning of Vibration Signals and its Applications in Machinery Fault Diagnosis. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 13565-13575.	7.9	20
72	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.	3.0	19

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73	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.	7.5	19
74	Structure and magnetic properties of MnZn nanoferrites synthesized under a high magnetic field. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	19
75	Variable neighborhood search-based methods for integrated hybrid flow shop scheduling with distribution. <i>Soft Computing</i> , 2020, 24, 8917-8936.	3.6	19
76	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.	7.1	19
77	Pruning graph convolutional network-based feature learning for fault diagnosis of industrial processes. <i>Journal of Process Control</i> , 2022, 113, 101-113.	3.3	19
78	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.	2.2	18
79	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.	2.3	18
80	Constrained Oversampling: An Oversampling Approach to Reduce Noise Generation in Imbalanced Datasets With Class Overlapping. <i>IEEE Access</i> , 2022, 10, 91452-91465.	4.2	18
81	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.	8.1	18
82	Multi-level features fusion network-based feature learning for machinery fault diagnosis. <i>Applied Soft Computing Journal</i> , 2022, 122, 108900.	7.2	18
83	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.	6.3	17
84	Fabrication of textured Si ₃ N ₄ ceramics with β -Si ₃ N ₄ powders as raw material by gel-casting under strong magnetic field. <i>Materials Letters</i> , 2014, 135, 218-221.	2.6	17
85	Run-to-Run Control of Chemical Mechanical Polishing Process Based on Deep Reinforcement Learning. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2020, 33, 454-465.	1.7	17
86	Multiscale Dynamic Fusion Global Sparse Network for Gearbox Fault Diagnosis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-11.	4.7	17
87	Magnetic-field dependence of nucleation undercoolings in non-magnetic metallic melts. <i>Philosophical Magazine Letters</i> , 2015, 95, 37-43.	1.2	16
88	Deep recurrent neural network-based residual control chart for autocorrelated processes. <i>Quality and Reliability Engineering International</i> , 2019, 35, 2687-2708.	2.3	16
89	Wafer Map Defect Recognition Based on Deep Transfer Learning. , 2019, , .		16
90	Multiscale Weighted Morphological Network Based Feature Learning of Vibration Signals for Machinery Fault Diagnosis. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 1692-1703.	5.8	16

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91	Alternating-magnetic-field induced enhancement of diffusivity in Ni-Cr alloys. Scientific Reports, 2017, 7, 18085.	3.3	15
92	Extracting and inserting knowledge into stacked denoising auto-encoders. Neural Networks, 2021, 137, 31-42.	5.9	15
93	control chart based on logistic regression for monitoring mean shifts of auto-correlated manufacturing processes. International Journal of Production Research, 2011, 49, 2301-2326.	7.5	14
94	Influence of an Axial Magnetic Field on Microstructures and Alignment in Directionally Solidified Ni-based Superalloy. ISIJ International, 2017, 57, 337-342.	1.4	14
95	The mechanism of inclusion removal from molten steel by dissolved gas flotation. Ironmaking and Steelmaking, 2018, 45, 648-654.	2.1	14
96	Manifold regularized stacked denoising autoencoders with feature selection. Neurocomputing, 2019, 358, 235-245.	5.9	14
97	A template-free route for controlled synthesis of dumbbell-like Sb_2S_3 microcrystals. Crystal Research and Technology, 2009, 44, 851-856.	1.3	13
98	Enhanced diffusivity in Ni-Al system by alternating magnetic field. Applied Physics Letters, 2017, 110, .	3.3	13
99	Improvement in creep life of a nickel-based single-crystal superalloy via composition homogeneity on the multiscales by magnetic-field-assisted directional solidification. Scientific Reports, 2018, 8, 1452.	3.3	13
100	Layer-by-Layer Enhancement Strategy of Favorable Features of the Deep Belief Network for Industrial Process Monitoring. Industrial & Engineering Chemistry Research, 0, , .	3.7	13
101	Monitoring of complex profiles based on deep stacked denoising autoencoders. Computers and Industrial Engineering, 2020, 143, 106402.	6.3	13
102	Adaptive Densely Connected Convolutional Auto-Encoder-Based Feature Learning of Gearbox Vibration Signals. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	13
103	Multisource Domain Adaption for Health Degradation Monitoring of Lithium-Ion Batteries. IEEE Transactions on Transportation Electrification, 2021, 7, 2279-2292.	7.8	13
104	Effect of Primary Dendrite Orientation on Stray Grain Formation in Cross-Section Change Region During the Directional Solidification of Ni-Based Superalloy. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2017, 48, 394-405.	2.1	12
105	Steel/Slag Interface Behavior under Multifunction Electromagnetic Driving in a Continuous Casting Slab Mold. Metals, 2019, 9, 983.	2.3	12
106	Two-dimensional joint local and nonlocal discriminant analysis-based 2D image feature extraction for deep learning. Neural Computing and Applications, 2020, 32, 6009-6024.	5.6	12
107	Joint Feature and Label Adversarial Network for Wafer Map Defect Recognition. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1341-1353.	5.2	12
108	An Adaptive Weighted Adjacent Difference Sparse Representation for Bearing Fault Diagnosis. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	12

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109	Residual attention convolutional autoencoder for feature learning and fault detection in nonlinear industrial processes. <i>Neural Computing and Applications</i> , 2021, 33, 12737-12753.	5.6	12
110	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.	2.1	11
111	An improved formulation and efficient heuristics for the discrete parallel-machine makespan ScheLoc problem. <i>Computers and Industrial Engineering</i> , 2020, 140, 106238.	6.3	11
112	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	11
113	Adaptive Sparse Representation-Based Minimum Entropy Deconvolution for Bearing Fault Detection. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-10.	4.7	11
114	Online intelligent monitoring and diagnosis of aircraft horizontal stabilizer assemble processes. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 50, 377-389.	3.0	10
115	Pattern recognition of manufacturing process signals using Gaussian mixture models-based recognition systems. <i>Computers and Industrial Engineering</i> , 2011, 61, 881-890.	6.3	10
116	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.	4.8	10
117	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.	2.2	10
118	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.	3.2	10
119	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.	2.2	10
120	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.	2.5	10
121	One-dimensional residual convolutional auto-encoder for fault detection in complex industrial processes. <i>International Journal of Production Research</i> , 2022, 60, 5655-5674.	7.5	10
122	Unveiling microstructural origins of the balanced strength-ductility combination in eutectic high-entropy alloys at cryogenic temperatures. <i>Materials Research Letters</i> , 2022, 10, 602-610.	8.7	10
123	Measurement of contact angles at room temperature in high magnetic field. <i>Review of Scientific Instruments</i> , 2017, 88, 115110.	1.3	9
124	Long-Term Performance Prediction of PEMFC Based on LASSO-ESN. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-11.	4.7	9
125	Microstructure Evolution and Mechanical Properties Improvement in Magnetic-controlled Electroslag Remelted Bearing Steel. <i>ISIJ International</i> , 2020, 60, 2462-2470.	1.4	9
126	Identical parallel machine scheduling with assurance of maximum waiting time for an emergency job. <i>Computers and Operations Research</i> , 2020, 118, 104918.	4.0	8

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127	Preparation, mechanical, and leaching properties of CaZrO ₃ ceramic cores. International Journal of Applied Ceramic Technology, 2021, 18, 1490-1497.	2.1	8
128	Carbides Modification and Mechanical Properties Enhancement of Cr12MoV Die Steel by Magnetically Controlled Electroslag Remelting. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 1495-1507.	2.1	8
129	Deep unLSTM network: Features with memory information extracted from unlabeled data and their application on industrial unsupervised industrial fault detection. Applied Soft Computing Journal, 2021, 108, 107382.	7.2	8
130	Microsegregation Formation in Al-Cu Alloy under Action of Steady Magnetic Field. ISIJ International, 2018, 58, 899-904.	1.4	7
131	Modeling Large-Scale Industrial Processes by Multiple Deep Belief Networks With Lower-Pressure and Higher-Precision for Status Monitoring. IEEE Access, 2020, 8, 20439-20448.	4.2	7
132	Fault Detection of Rolling Bearing Using Sparse Representation-Based Adjacent Signal Difference. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-16.	4.7	7
133	Selective weighted multi-scale morphological filter for fault feature extraction of rolling bearings. ISA Transactions, 2023, 132, 544-556.	5.7	7
134	Intelligent monitoring and diagnosis of manufacturing process using an integrated approach of neural network ensemble and genetic algorithm. International Journal of Computer Applications in Technology, 2008, 33, 109.	0.5	6
135	Gaussian mixture models-based control chart pattern recognition. International Journal of Production Research, 2012, 50, 6746-6762.	7.5	6
136	Effect of a Transverse Magnetic Field on Stray Grain Formation of Ni-Based Single Crystal Superalloy During Directional Solidification. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 3231-3236.	2.1	6
137	Nanocrystalline Ce _{1-x} La _x O ₂ Solid Solutions Synthesized by Hydrolyzing and Oxidizing. Journal of Electronic Materials, 2016, 45, 2559-2562.	2.2	6
138	Effect of Heat Treatment Combined with an Alternating Magnetic Field on Microstructure and Mechanical Properties of a Ni-Based Superalloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 1837-1850.	2.2	6
139	A novel gravity-assisted automatic docking device for studying diffusion in liquid metal melts assisted by a strong static magnetic field. Review of Scientific Instruments, 2021, 92, 094903.	1.3	6
140	Adaptive k-Sparsity-Based Weighted Lasso for Bearing Fault Detection. IEEE Sensors Journal, 2022, 22, 4326-4337.	4.7	6
141	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. Transactions of the Indian Ceramic Society, 2016, 75, 256-262.	1.0	5
142	Magnetic field-assisted solvothermal synthesis and the magnetic properties of Fe-doped CeO ₂ nanoparticles. Journal of Asian Ceramic Societies, 2020, 8, 615-623.	2.3	5
143	A machine vision method for measurement of drill tool wear. International Journal of Advanced Manufacturing Technology, 2022, 118, 3303-3314.	3.0	5
144	Sparse one-dimensional convolutional neural network-based feature learning for fault detection and diagnosis in multivariable manufacturing processes. Neural Computing and Applications, 0, , 1.	5.6	5

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145	A Machine vision method for non-contact Tool Wear Inspection. , 2020, , .		5
146	Deep Transfer Network With Adaptive Joint Distribution Adaptation: A New Process Fault Diagnosis Model. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	4.7	5
147	A Selective Adversarial Adaptation Network for Remaining Useful Life Prediction of Machines Under Different Working Conditions. IEEE Systems Journal, 2023, 17, 62-71.	4.6	5
148	The interval min-max regret knapsack packing-delivery problem. International Journal of Production Research, 2021, 59, 5661-5677.	7.5	4
149	Precipitation Behavior of Nitride Inclusions in K418 Alloy under the Continuous Unidirectional Solidification Process. ISIJ International, 2021, 61, 229-238.	1.4	4
150	A Method of Stray Grain Suppression for Single-Crystal Superalloy During Seed Melt-Back. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 5691-5697.	2.2	3
151	The Change of Mushy Zone Length of a Nickel-Based Single-Crystal Superalloy During the Static-Magnetic-Field-Assisted Directional Solidification. Crystal Research and Technology, 2018, 53, 1700187.	1.3	3
152	Effect of a High Magnetic Field on γ Phase for Ni-Based Single Crystal Superalloy During Directional Solidification. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 1919-1924.	2.1	3
153	Cell-to-Dendrite Transition Induced by a Static Transverse Magnetic Field During Laser Remelting of the Nickel-Based Superalloy. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 3211-3219.	2.1	3
154	Weighted Self-Regulation Complex Network-Based Variation Modeling and Error Source Diagnosis of Hybrid Multistage Machining Processes. IEEE Access, 2019, 7, 36033-36044.	4.2	3
155	Magnetic field-dependent microstructure evolution and magnetic property of Fe-6.5 Si-0.05 B alloy during solidification. Journal of Materials Research, 2019, 34, 4076-4084.	2.6	3
156	Robust (min-max regret) single machine scheduling with interval processing times and total tardiness criterion. Computers and Industrial Engineering, 2020, 149, 106838.	6.3	3
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