Jianbo Yu

List of Publications by Year in Descending Order

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	Adaptive k-sparsity-based weighted Lasso for bearing fault detection. *IEEE Sensors Journal*, **2022**, 1-1	4	0
173	Deep sparse representation network for feature learning of vibration signals and its application in gearbox fault diagnosis. *Knowledge-Based Systems*, **2022**, 240, 108116	7.3	1
172	State-of-Health Estimation for Lithium-Ion Batteries Using Domain Adversarial Transfer Learning. *IEEE Transactions on Power Electronics*, **2022**, 37, 3528-3543	7.2	1
171	Deep Transfer Network With Adaptive Joint Distribution Adaptation: A New Process Fault Diagnosis Model. *IEEE Transactions on Instrumentation and Measurement*, **2022**, 71, 1-13	5.2	1
170	Ex-situ study of diffusion in liquid Al□Cu melts under a transverse magnetic field using X-ray imaging. *Philosophical Magazine Letters*, **2022**, 102, 151-159	1	0
169	Pruning graph convolutional network-based feature learning for fault diagnosis of industrial processes. *Journal of Process Control*, **2022**, 113, 101-113	3.9	0
168	Adaptive sparse representation-based minimum entropy deconvolution for bearing fault detection. *IEEE Transactions on Instrumentation and Measurement*, **2022**, 1-1	5.2	1
167	Multi-level features fusion network-based feature learning for machinery fault diagnosis. *Applied Soft Computing Journal*, **2022**, 122, 108900	7.5	1
166	Knowledge Transfer-Based Sparse Deep Belief Network. *IEEE Transactions on Cybernetics*, **2022**, 1-12	10.2	0
165	Unveiling microstructural origins of the balanced strength□ductility combination in eutectic high-entropy alloys at cryogenic temperatures. *Materials Research Letters*, **2022**, 10, 602-610	7.4	
164	Effect of Vertical High Magnetic Field on the Morphology of Solid-Liquid Interface during the Directional Solidification of Zn-2wt.%Bi Immiscible Alloy. *Metals*, **2022**, 12, 875	2.3	
163	Sparse Representation Convolutional Autoencoder for Feature Learning of Vibration Signals and Its Applications in Machinery Fault Diagnosis. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	4
162	Fault Feature Extraction of Rolling Bearings Using Local Mean Decomposition-Based Enhanced Sparse Coding Shrinkage. *Journal of King Saud University, Engineering Sciences*, **2021**,	2.2	1
161	A sparse domain adaption network for remaining useful life prediction of rolling bearings under different working conditions. *Reliability Engineering and System Safety*, **2021**, 219, 108259	6.3	2
160	Surface Defect Detection of Steel Strips Based on Anchor-free Network with Channel Attention and Bidirectional Feature Fusion. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 1-1	5.2	3
159	Enhancement of Inclusion Removal in Electroslag Remelted M2 High-Speed Steel Assisted by Axial Static Magnetic Field. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2021**, 52, 5135	2.3	1
158	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	2.5	1

157	Morphology transition of eutectic carbide assisted by thermoelectric magnetic force during the directional solidification of M2 high-speed steel. *Ironmaking and Steelmaking*, **2021**, 48, 885-892	1.3	0
156	Residual attention convolutional autoencoder for feature learning and fault detection in nonlinear industrial processes. *Neural Computing and Applications*, **2021**, 33, 12737	4.8	4
155	AKSNet: A novel convolutional neural network with adaptive kernel width and sparse regularization for machinery fault diagnosis. *Journal of Manufacturing Systems*, **2021**, 59, 467-480	9.1	8
154	Extracting and inserting knowledge into stacked denoising auto-encoders. *Neural Networks*, **2021**, 137, 31-42	9.1	4
153	One-dimensional convolutional neural network-based active feature extraction for fault detection and diagnosis of industrial processes and its understanding via visualization. *ISA Transactions*, **2021**,	5.5	5
152	Sparsity and manifold regularized convolutional auto-encoders-based feature learning for fault detection of multivariate processes. *Control Engineering Practice*, **2021**, 111, 104811	3.9	7
151	Chisel edge wear measurement of high-speed steel twist drills based on machine vision. *Computers in Industry*, **2021**, 128, 103436	11.6	5
150	Fault detection and recognition of multivariate process based on feature learning of one-dimensional convolutional neural network and stacked denoised autoencoder. *International Journal of Production Research*, **2021**, 59, 2426-2449	7.8	9
149	Multichannel one-dimensional convolutional neural network-based feature learning for fault diagnosis of industrial processes. *Neural Computing and Applications*, **2021**, 33, 3085-3104	4.8	14
148	Joint Feature and Label Adversarial Network for Wafer Map Defect Recognition. *IEEE Transactions on Automation Science and Engineering*, **2021**, 18, 1341-1353	4.9	5
147	Effect of sintering aids on microstructure and properties of textured SiC ceramics prepared in 6 T. *Journal of Asian Ceramic Societies*, **2021**, 9, 85-95	2.4	0
146	Two-Dimensional Principal Component Analysis-Based Convolutional Autoencoder for Wafer Map Defect Detection. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 8789-8797	8.9	11
145	Adaptive Densely Connected Convolutional Auto-Encoder-Based Feature Learning of Gearbox Vibration Signals. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-11	5.2	4
144	Multiple Granularities Generative Adversarial Network for Recognition of Wafer Map Defects. *IEEE Transactions on Industrial Informatics*, **2021**, 1-1	11.9	2
143	Precipitation Behavior of Nitride Inclusions in K418 Alloy under the Continuous Unidirectional Solidification Process. *ISIJ International*, **2021**, 61, 229-238	1.7	2
142	Long-Term Performance Prediction of PEMFC Based on LASSO-ESN. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-11	5.2	5
141	RetinaNet With Difference Channel Attention and Adaptively Spatial Feature Fusion for Steel Surface Defect Detection. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-11	5.2	25
140	Convolutional Long Short-Term Memory Autoencoder-Based Feature Learning for Fault Detection in Industrial Processes. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-15	5.2	12

139	. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-11	5.2	4
138	An Adaptive Weighted Adjacent Difference Sparse Representation for Bearing Fault Diagnosis. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-9	5.2	8
137	Multi-scale Weighted Morphological Network-based Feature Learning of Vibration Signals for Machinery Fault Diagnosis. *IEEE/ASME Transactions on Mechatronics*, **2021**, 1-1	5.5	3
136	Preparation, mechanical, and leaching properties of CaZrO3 ceramic cores. *International Journal of Applied Ceramic Technology*, **2021**, 18, 1490-1497	2	1
135	AKRNet: A novel convolutional neural network with attentive kernel residual learning for feature learning of gearbox vibration signals. *Neurocomputing*, **2021**, 447, 23-37	5.4	10
134	Hierarchical crack buffering triples ductility in eutectic herringbone high-entropy alloys. *Science*, **2021**, 373, 912-918	33.3	60
133	Health condition monitoring of machines based on long short-term memory convolutional autoencoder. *Applied Soft Computing Journal*, **2021**, 107, 107379	7.5	10
132	A machine vision method for measurement of machining tool wear. *Measurement: Journal of the International Measurement Confederation*, **2021**, 182, 109683	4.6	11
131	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	1.7	3
130	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	7.5	2
129	Wafer map defect recognition based on deep transfer learning-based densely connected convolutional network and deep forest. *Engineering Applications of Artificial Intelligence*, **2021**, 105, 104387	7.2	2
128	Deep transfer Wasserstein adversarial network for wafer map defect recognition. *Computers and Industrial Engineering*, **2021**, 161, 107679	6.4	0
127	Multisource Domain Adaption for Health Degradation Monitoring of Lithium-Ion Batteries. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 2279-2292	7.6	3
126	Deep morphological convolutional network for feature learning of vibration signals and its applications to gearbox fault diagnosis. *Mechanical Systems and Signal Processing*, **2021**, 161, 107984	7.8	18
125	A Deep Domain Adaptative Network for Remaining Useful Life Prediction of Machines Under Different Working Conditions and Fault Modes. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-14	5.2	10
124	Fault Detection of Rolling Bearing Using Sparse Representation-Based Adjacent Signal Difference. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-16	5.2	4
123	Magnetic field-assisted solvothermal synthesis and the magnetic properties of Fe-doped CeO2 nanoparticles. *Journal of Asian Ceramic Societies*, **2020**, 8, 615-623	2.4	3
122	Identical parallel machine scheduling with assurance of maximum waiting time for an emergency job. *Computers and Operations Research*, **2020**, 118, 104918	4.6	5

121	One-Dimensional Residual Convolutional Autoencoder Based Feature Learning for Gearbox Fault Diagnosis. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 6347-6358	11.9	54
120	One-dimensional convolutional auto-encoder-based feature learning for fault diagnosis of multivariate processes. *Journal of Process Control*, **2020**, 87, 54-67	3.9	51
119	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	3.5	3
118	Knowledge extraction and insertion to deep belief network for gearbox fault diagnosis. *Knowledge-Based Systems*, **2020**, 197, 105883	7.3	34
117	Microstructure Evolution and Mechanical Properties Improvement in Magnetic-controlled Electroslag Remelted Bearing Steel. *ISIJ International*, **2020**, 60, 2462-2470	1.7	5
116	Variable neighborhood search-based methods for integrated hybrid flow shop scheduling with distribution. *Soft Computing*, **2020**, 24, 8917-8936	3.5	11
115	An improved formulation and efficient heuristics for the discrete parallel-machine makespan ScheLoc problem. *Computers and Industrial Engineering*, **2020**, 140, 106238	6.4	3
114	Influence of yttrium oxide addition and sintering temperature on properties of alumina-based ceramic cores. *International Journal of Applied Ceramic Technology*, **2020**, 17, 685-694	2	1
113	The interval min□max regret knapsack packing-delivery problem. *International Journal of Production Research*, **2020**, 1-17	7.8	2
112	. *IEEE Transactions on Semiconductor Manufacturing*, **2020**, 33, 454-465	2.6	5
111	Manifold regularized stacked autoencoders-based feature learning for fault detection in industrial processes. *Journal of Process Control*, **2020**, 92, 119-136	3.9	17
110	Monitoring of complex profiles based on deep stacked denoising autoencoders. *Computers and Industrial Engineering*, **2020**, 143, 106402	6.4	7
109	Robust (min□max regret) single machine scheduling with interval processing times and total tardiness criterion. *Computers and Industrial Engineering*, **2020**, 149, 106838	6.4	1
108	Constrained Oversampling: An Oversampling Approach to Reduce Noise Generation in Imbalanced Datasets with Class Overlapping. *IEEE Access*, **2020**, 1-1	3.5	4
107	Effects of axial static magnetic field on columnar to equiaxed transition in directionally solidified low carbon steel. *Ironmaking and Steelmaking*, **2020**, 47, 398-404	1.3	
106	An energy-efficient two-stage hybrid flow shop scheduling problem in a glass production. *International Journal of Production Research*, **2020**, 58, 2283-2314	7.8	27
105	Two-dimensional joint local and nonlocal discriminant analysis-based 2D image feature extraction for deep learning. *Neural Computing and Applications*, **2020**, 32, 6009-6024	4.8	7
104	Steel/Slag Interface Behavior under Multifunction Electromagnetic Driving in a Continuous Casting Slab Mold. *Metals*, **2019**, 9, 983	2.3	4

103	Evolutions of the Micro- and Macrostructure and Tensile Property of Cu-15Ni-8Sn Alloy During Electromagnetic Stirring-Assisted Horizontal Continuous Casting. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2019**, 50, 2111-2120	2.5	2
102	Enhanced Stacked Denoising Autoencoder-Based Feature Learning for Recognition of Wafer Map Defects. *IEEE Transactions on Semiconductor Manufacturing*, **2019**, 32, 613-624	2.6	18
101	Enhanced strength-ductility synergy in ultrafine-grained eutectic high-entropy alloys by inheriting microstructural lamellae. *Nature Communications*, **2019**, 10, 489	17.4	251
100	Effect of TiB2 addition on grain orientation of porous Si3N4-TiB2 composites by magnetic field alignment technology. *International Journal of Applied Ceramic Technology*, **2019**, 16, 1381-1389	2	
99	A New Morphological Filter for Fault Feature Extraction of Vibration Signals. *IEEE Access*, **2019**, 7, 53743-53753	3.5	18
98	Manifold regularized stacked denoising autoencoders with feature selection. *Neurocomputing*, **2019**, 358, 235-245	5.4	11
97	Evolutionary manifold regularized stacked denoising autoencoders for gearbox fault diagnosis. *Knowledge-Based Systems*, **2019**, 178, 111-122	7.3	44
96	A deep autoencoder feature learning method for process pattern recognition. *Journal of Process Control*, **2019**, 79, 1-15	3.9	38
95	Stacked convolutional sparse denoising auto-encoder for identification of defect patterns in semiconductor wafer map. *Computers in Industry*, **2019**, 109, 121-133	11.6	34
94	A selective deep stacked denoising autoencoders ensemble with negative correlation learning for gearbox fault diagnosis. *Computers in Industry*, **2019**, 108, 62-72	11.6	44
93	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	2.3	5
92	Effects of ZrB2 addition on texture development and properties of porous Si3N4-ZrB2 composites by magnetic field alignment. *Journal of Asian Ceramic Societies*, **2019**, 7, 368-376	2.4	
91	Deep recurrent neural network-based residual control chart for autocorrelated processes. *Quality and Reliability Engineering International*, **2019**, 35, 2687-2708	2.6	7
90	Weighted Self-Regulation Complex Network-Based Variation Modeling and Error Source Diagnosis of Hybrid Multistage Machining Processes. *IEEE Access*, **2019**, 7, 36033-36044	3.5	1
89	Microstructure and Mechanical Properties of Ni-based Superalloy K418 Produced by the Continuous Unidirectional Solidification Process. *Journal of Materials Engineering and Performance*, **2019**, 28, 6483-6491	1.6	7
88	Wafer Map Defect Recognition Based on Deep Transfer Learning **2019**,		8
87	Magnetic field□dependent microstructure evolution and magnetic property of Fe□3.5 Si□0.05 B alloy during solidification. *Journal of Materials Research*, **2019**, 34, 4076-4084	2.5	1
86	Active features extracted by deep belief network for process monitoring. *ISA Transactions*, **2019**, 84, 247-261	5.5	24

85	Stacked denoising autoencoder-based feature learning for out-of-control source recognition in multivariate manufacturing process. *Quality and Reliability Engineering International*, **2019**, 35, 204-223	2.6	13
84	State of health prediction of lithium-ion batteries: Multiscale logic regression and Gaussian process regression ensemble. *Reliability Engineering and System Safety*, **2018**, 174, 82-95	6.3	94
83	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	4.9	7
82	Tool condition prognostics using logistic regression with penalization and manifold regularization. *Applied Soft Computing Journal*, **2018**, 64, 454-467	7.5	16
81	Sparse Coding Shrinkage in Intrinsic Time-Scale Decomposition for Weak Fault Feature Extraction of Bearings. *IEEE Transactions on Instrumentation and Measurement*, **2018**, 67, 1579-1592	5.2	25
80	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	1
79	The mechanism of inclusion removal from molten steel by dissolved gas flotation. *Ironmaking and Steelmaking*, **2018**, 45, 648-654	1.3	10
78	Average combination difference morphological filters for fault feature extraction of bearing. *Mechanical Systems and Signal Processing*, **2018**, 100, 827-845	7.8	40
77	Cell-to-Dendrite Transition Induced by a Static Transverse Magnetic Field During Lasering Remelting of the Nickel-Based Superalloy. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2018**, 49, 3211-3219	2.5	0
76	The Effect of Static Magnetic Field on the Channel Formation during Directional Solidification of Aqueous Ammonium Chloride Solution. *Crystal Research and Technology*, **2018**, 53, 1800113	1.3	1
75	An Electromagnetic Compounding Technique for Counteracting the Thermoelectric Magnetic Effect During Directional Solidification Under a Transverse Static Magnetic Field. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2018**, 49, 3373-3382	2.3	5
74	A Bi-Objective Vehicle-Routing Problem with Soft Time Windows and Multiple Depots to Minimize the Total Energy Consumption and Customer Dissatisfaction. *Sustainability*, **2018**, 10, 4257	3.6	6
73	Layer-by-Layer Enhancement Strategy of Favorable Features of the Deep Belief Network for Industrial Process Monitoring. *Industrial & Engineering Chemistry Research*, **2018**,	3.9	9
72	Microsegregation Formation in Al□u Alloy under Action of Steady Magnetic Field. *ISIJ International* , **2018**, 58, 899-904	1.7	7
71	Effect of a High Magnetic Field on □ 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	2.5	2
70	Bi-objective identical parallel machine scheduling to minimize total energy consumption and makespan. *Journal of Cleaner Production*, **2018**, 193, 424-440	10.3	55
69	Adaptive hidden Markov model-based online learning framework for bearing faulty detection and performance degradation monitoring. *Mechanical Systems and Signal Processing*, **2017**, 83, 149-162	7.8	46
68	Effects of a High Magnetic Field on the Microstructure of Ni-Based Single-Crystal Superalloys During Directional Solidification. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2017**, 48, 3804-3813	2.3	7

67	Aircraft engine health prognostics based on logistic regression with penalization regularization and state-space-based degradation framework. *Aerospace Science and Technology*, **2017**, 68, 345-361	4.9	29
66	Enhanced diffusivity in Ni-Al system by alternating magnetic field. *Applied Physics Letters*, **2017**, 110, 074102	3.4	10
65	Weak Fault Feature Extraction of Rolling Bearings Using Local Mean Decomposition-Based Multilayer Hybrid Denoising. *IEEE Transactions on Instrumentation and Measurement*, **2017**, 66, 3148-3159	5.2	50
64	Measurement of contact angles at room temperature in high magnetic field. *Review of Scientific Instruments*, **2017**, 88, 115110	1.7	7
63	Columnar-to-Equiaxed Transition and Equiaxed Grain Alignment in Directionally Solidified Ni3Al Alloy Under an Axial Magnetic Field. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2017**, 48, 4193-4203	2.3	13
62	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	2.5	9
61	Alternating-magnetic-field induced enhancement of diffusivity in Ni-Cr alloys. *Scientific Reports*, **2017**, 7, 18085	4.9	9
60	Influence of an Axial Magnetic Field on Microstructures and Alignment in Directionally Solidified Ni-based Superalloy. *ISIJ International*, **2017**, 57, 337-342	1.7	10
59	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	2.3	3
58	Wafer Map Defect Detection and Recognition Using Joint Local and Nonlocal Linear Discriminant Analysis. *IEEE Transactions on Semiconductor Manufacturing*, **2016**, 29, 33-43	2.6	70
57	Preparation of c-axis textured SiC ceramics by a strong magnetic field of 6 T assisted gel-casting process. *Ceramics International*, **2016**, 42, 6168-6177	5.1	8
56	Effect of Si3N4 Initial Powder Size on Texture Development of Porous Si3N4 Ceramics Prepared by Gel-Casting in a Magnetic Field. *Transactions of the Indian Ceramic Society*, **2016**, 75, 256-262	1.8	5
55	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	2.5	5
54	Nanocrystalline Ce1− x La x O2− Solid Solutions Synthesized by Hydrolyzing and Oxidizing. *Journal of Electronic Materials*, **2016**, 45, 2559-2562	1.9	6
53	Machinery fault diagnosis using joint global and local/nonlocal discriminant analysis with selective ensemble learning. *Journal of Sound and Vibration*, **2016**, 382, 340-356	3.9	18
52	Process monitoring through manifold regularization-based GMM with global/local information. *Journal of Process Control*, **2016**, 45, 84-99	3.9	15
51	Magnetic-field dependence of nucleation undercoolings in non-magnetic metallic melts. *Philosophical Magazine Letters*, **2015**, 95, 37-43	1	14
50	Machine health prognostics using the Bayesian-inference-based probabilistic indication and high-order particle filtering framework. *Journal of Sound and Vibration*, **2015**, 358, 97-110	3.9	32

49	State-of-Health Monitoring and Prediction of Lithium-Ion Battery Using Probabilistic Indication and State-Space Model. *IEEE Transactions on Instrumentation and Measurement*, **2015**, 64, 2937-2949	5.2	44
48	Development and application of an apparatus for high-temperature measurement of magnetic susceptibility. *Review of Scientific Instruments*, **2015**, 86, 065105	1.7	
47	Fabrication of textured Si3N4 ceramics with □Si3N4 powders as raw material by gel-casting under strong magnetic field. *Materials Letters*, **2014**, 135, 218-221	3.3	17
46	Health Degradation Detection and Monitoring of Lithium-Ion Battery Based on Adaptive Learning Method. *IEEE Transactions on Instrumentation and Measurement*, **2014**, 63, 1709-1721	5.2	27
45	Modification of liquid/solid interface shape in directionally solidifying Al□Cu alloys by a transverse magnetic field. *Journal of Materials Science*, **2013**, 48, 213-219	4.3	20
44	A nonlinear probabilistic method and contribution analysis for machine condition monitoring. *Mechanical Systems and Signal Processing*, **2013**, 37, 293-314	7.8	28
43	A modified support vector data description based novelty detection approach for machinery components. *Applied Soft Computing Journal*, **2013**, 13, 1193-1205	7.5	44
42	Health Condition Monitoring of Machines Based on Hidden Markov Model and Contribution Analysis. *IEEE Transactions on Instrumentation and Measurement*, **2012**, 61, 2200-2211	5.2	82
41	Local and Nonlocal Preserving Projection for Bearing Defect Classification and Performance Assessment. *IEEE Transactions on Industrial Electronics*, **2012**, 59, 2363-2376	8.9	116
40	Semiconductor Manufacturing Process Monitoring Using Gaussian Mixture Model and Bayesian Method With Local and Nonlocal Information. *IEEE Transactions on Semiconductor Manufacturing*, **2012**, 25, 480-493	2.6	26
39	Local and global principal component analysis for process monitoring. *Journal of Process Control*, **2012**, 22, 1358-1373	3.9	107
38	Machine Tool Condition Monitoring Based on an Adaptive Gaussian Mixture Model. *Journal of Manufacturing Science and Engineering, Transactions of the ASME*, **2012**, 134,	3.3	21
37	Gaussian mixture models-based control chart pattern recognition. *International Journal of Production Research*, **2012**, 50, 6746-6762	7.8	6
36	Fault Detection Using Principal Components-Based Gaussian Mixture Model for Semiconductor Manufacturing Processes. *IEEE Transactions on Semiconductor Manufacturing*, **2011**, 24, 432-444	2.6	70
35	Pattern recognition of manufacturing process signals using Gaussian mixture models-based recognition systems. *Computers and Industrial Engineering*, **2011**, 61, 881-890	6.4	7
34	Online tool wear prediction in drilling operations using selective artificial neural network ensemble model. *Neural Computing and Applications*, **2011**, 20, 473-485	4.8	16
33	Bearing performance degradation assessment using locality preserving projections. *Expert Systems With Applications*, **2011**, 38, 7440-7450	7.8	82
32	A hybrid feature selection scheme and self-organizing map model for machine health assessment. *Applied Soft Computing Journal*, **2011**, 11, 4041-4054	7.5	63

31	Bearing performance degradation assessment using locality preserving projections and Gaussian mixture models. *Mechanical Systems and Signal Processing*, **2011**, 25, 2573-2588	7.8	183
30	LRProb control chart based on logistic regression for monitoring mean shifts of auto-correlated manufacturing processes. *International Journal of Production Research*, **2011**, 49, 2301-2326	7.8	12
29	Structure and magnetic properties of MnZn nanoferrites synthesized under a high magnetic field. *Journal of Applied Physics*, **2011**, 110, 074310	2.5	18
28	Online intelligent monitoring and diagnosis of aircraft horizontal stabilizer assemble processes. *International Journal of Advanced Manufacturing Technology*, **2010**, 50, 377-389	3.2	9
27	An effective heuristic for flexible job-shop scheduling problem with maintenance activities. *Computers and Industrial Engineering*, **2010**, 59, 436-447	6.4	72
26	Hidden Markov models combining local and global information for nonlinear and multimodal process monitoring. *Journal of Process Control*, **2010**, 20, 344-359	3.9	60
25	A neural network ensemble model for on-line monitoring of process mean and variance shifts in correlated processes. *Expert Systems With Applications*, **2010**, 37, 4058-4065	7.8	34
24	A template-free route for controlled synthesis of dumbbell-like Sb2S3 microcrystals. *Crystal Research and Technology*, **2009**, 44, 851-856	1.3	11
23	Using Minimum Quantization Error chart for the monitoring of process states in multivariate manufacturing processes. *Computers and Industrial Engineering*, **2009**, 57, 1300-1312	6.4	13
22	A neural network ensemble-based model for on-line monitoring and diagnosis of out-of-control signals in multivariate manufacturing processes. *Expert Systems With Applications*, **2009**, 36, 909-921	7.8	67
21	Identifying source(s) of out-of-control signals in multivariate manufacturing processes using selective neural network ensemble. *Engineering Applications of Artificial Intelligence*, **2009**, 22, 141-152	7.2	43
20	A hybrid learning-based model for on-line monitoring and diagnosis of out-of-control signals in multivariate manufacturing processes. *International Journal of Production Research*, **2009**, 47, 4077-4108	7.8	17
19	Refining Mechanism of Pure Aluminum under Local Electromagnetic Vibration. *ISIJ International*, **2009**, 49, 1150-1155	1.7	
18	Evolving artificial neural networks using an improved PSO and DPSO. *Neurocomputing*, **2008**, 71, 1054-1060	3.4	158
17	A similarity-based prognostics approach for Remaining Useful Life estimation of engineered systems **2008**,		183
16	Using an MQE chart based on a self-organizing map NN to monitor out-of-control signals in manufacturing processes. *International Journal of Production Research*, **2008**, 46, 5907-5933	7.8	18
15	STRUCTURE AND MAGNETIC PROPERTIES OF NANOCRYSTALLINE MnZn FERRITES BY A PHASE TRANSFORMATION METHOD. *International Journal of Modern Physics B*, **2008**, 22, 3433-3438	1.1	
14	Effects of a high-gradient magnetic field on the migratory behavior of primary crystal silicon in hypereutectic Al-Si alloy. *Science and Technology of Advanced Materials*, **2008**, 9, 024202	7.1	21

List of Publications

13	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	0.7	4
12	Identification of product definition patterns in mass customization using a learning-based hybrid approach. *International Journal of Advanced Manufacturing Technology*, **2008**, 38, 1061-1074	3.2	16
11	Intelligent monitoring and diagnosis of manufacturing processes using an integrated approach of KBANN and GA. *Computers in Industry*, **2008**, 59, 489-501	11.6	34
10	An Improved Particle Swarm Optimization for Evolving Feedforward Artificial Neural Networks. *Neural Processing Letters*, **2007**, 26, 217-231	2.4	63
9	Progress in Research on Solidification in a Strong Static Magnetic Field. *Steel Research International*, **2007**, 78, 373-378	1.6	1
8	A Neural Network Ensemble Approach for the Recognition of SPC Chart Patterns **2007**,		2
7	Effect of distribution of magnetic flux density on purifying liquid metal by travelling magnetic field. *Journal of Shanghai University*, **1999**, 3, 157-161		2
6	A machine vision method for measurement of drill tool wear. *International Journal of Advanced Manufacturing Technology*,1	3.2	0
5	Sparse one-dimensional convolutional neural network-based feature learning for fault detection and diagnosis in multivariable manufacturing processes. *Neural Computing and Applications*,1	4.8	1
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