

Jianbo Yu

List of Publications by Year in descending order

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179
papers

6,141
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all docs

181
docs citations

181
times ranked

4320
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Knowledge Transfer-Based Sparse Deep Belief Network. IEEE Transactions on Cybernetics, 2023, 53, 7572-7583. | 9.5 | 1 |
| 2 | 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 |
| 3 | Selective weighted multi-scale morphological filter for fault feature extraction of rolling bearings. ISA Transactions, 2023, 132, 544-556. | 5.7 | 7 |
| 4 | Constrained Oversampling: An Oversampling Approach to Reduce Noise Generation in Imbalanced Datasets With Class Overlapping. IEEE Access, 2022, 10, 91452-91465. | 4.2 | 18 |
| 5 | Multiple Granularities Generative Adversarial Network for Recognition of Wafer Map Defects. IEEE Transactions on Industrial Informatics, 2022, 18, 1674-1683. | 11.3 | 22 |
| 6 | Multiscale Weighted Morphological Network Based Feature Learning of Vibration Signals for Machinery Fault Diagnosis. IEEE/ASME Transactions on Mechatronics, 2022, 27, 1692-1703. | 5.8 | 16 |
| 7 | One-dimensional convolutional neural network-based active feature extraction for fault detection and diagnosis of industrial processes and its understanding via visualization. ISA Transactions, 2022, 122, 424-443. | 5.7 | 20 |
| 8 | One-dimensional residual convolutional auto-encoder for fault detection in complex industrial processes. International Journal of Production Research, 2022, 60, 5655-5674. | 7.5 | 10 |
| 9 | State-of-Health Estimation for Lithium-Ion Batteries Using Domain Adversarial Transfer Learning. IEEE Transactions on Power Electronics, 2022, 37, 3528-3543. | 7.9 | 31 |
| 10 | A machine vision method for measurement of drill tool wear. International Journal of Advanced Manufacturing Technology, 2022, 118, 3303-3314. | 3.0 | 5 |
| 11 | Sparse Representation Convolutional Autoencoder for Feature Learning of Vibration Signals and its Applications in Machinery Fault Diagnosis. IEEE Transactions on Industrial Electronics, 2022, 69, 13565-13575. | 7.9 | 20 |
| 12 | Fault feature extraction of rolling bearings using local mean decomposition-based enhanced sparse coding shrinkage. Journal of King Saud University, Engineering Sciences, 2022, 34, 17-22. | 2.0 | 3 |
| 13 | A sparse domain adaption network for remaining useful life prediction of rolling bearings under different working conditions. Reliability Engineering and System Safety, 2022, 219, 108259. | 8.9 | 33 |
| 14 | Surface Defect Detection of Steel Strips Based on Anchor-Free Network With Channel Attention and Bidirectional Feature Fusion. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10. | 4.7 | 24 |
| 15 | Adaptive k-Sparsity-Based Weighted Lasso for Bearing Fault Detection. IEEE Sensors Journal, 2022, 22, 4326-4337. | 4.7 | 6 |
| 16 | Deep sparse representation network for feature learning of vibration signals and its application in gearbox fault diagnosis. Knowledge-Based Systems, 2022, 240, 108116. | 7.1 | 19 |
| 17 | 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 |
| 18 | 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. | 1.2 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Multi-level features fusion network-based feature learning for machinery fault diagnosis. <i>Applied Soft Computing Journal</i> , 2022, 122, 108900. | 7.2 | 18 |
| 22 | Unveiling microstructural origins of the balanced strengthâ€“ductility combination in eutectic high-entropy alloys at cryogenic temperatures. <i>Materials Research Letters</i> , 2022, 10, 602-610. | 8.7 | 10 |
| 23 | 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 | 3 |
| 24 | The interval minâ€“max regret knapsack packing-delivery problem. <i>International Journal of Production Research</i> , 2021, 59, 5661-5677. | 7.5 | 4 |
| 25 | 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 |
| 26 | 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 |
| 27 | Joint Feature and Label Adversarial Network for Wafer Map Defect Recognition. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021, 18, 1341-1353. | 5.2 | 12 |
| 28 | 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. | 2.3 | 1 |
| 29 | 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 |
| 30 | 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. | 4.7 | 13 |
| 31 | Precipitation Behavior of Nitride Inclusions in K418 Alloy under the Continuous Unidirectional Solidification Process. <i>ISIJ International</i> , 2021, 61, 229-238. | 1.4 | 4 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | An Adaptive Weighted Adjacent Difference Sparse Representation for Bearing Fault Diagnosis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-9. | 4.7 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Preparation, mechanical, and leaching properties of CaZrO ₃ ceramic cores. International Journal of Applied Ceramic Technology, 2021, 18, 1490-1497. | 2.1 | 8 |
| 38 | 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 |
| 39 | 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. | 2.1 | 3 |
| 40 | Residual attention convolutional autoencoder for feature learning and fault detection in nonlinear industrial processes. Neural Computing and Applications, 2021, 33, 12737-12753. | 5.6 | 12 |
| 41 | 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. | 13.9 | 37 |
| 42 | Extracting and inserting knowledge into stacked denoising auto-encoders. Neural Networks, 2021, 137, 31-42. | 5.9 | 15 |
| 43 | Sparsity and manifold regularized convolutional auto-encoders-based feature learning for fault detection of multivariate processes. Control Engineering Practice, 2021, 111, 104811. | 5.5 | 21 |
| 44 | Chisel edge wear measurement of high-speed steel twist drills based on machine vision. Computers in Industry, 2021, 128, 103436. | 9.9 | 21 |
| 45 | AKRNet: A novel convolutional neural network with attentive kernel residual learning for feature learning of gearbox vibration signals. Neurocomputing, 2021, 447, 23-37. | 5.9 | 26 |
| 46 | Hierarchical crack buffering triples ductility in eutectic herringbone high-entropy alloys. Science, 2021, 373, 912-918. | 12.6 | 304 |
| 47 | Effect of CaO and SiO ₂ on the properties of Y ₂ O ₃ -based ceramic core materials. Journal of Asian Ceramic Societies, 2021, 9, 1103-1113. | 2.3 | 2 |
| 48 | Health condition monitoring of machines based on long short-term memory convolutional autoencoder. Applied Soft Computing Journal, 2021, 107, 107379. | 7.2 | 31 |
| 49 | A machine vision method for measurement of machining tool wear. Measurement: Journal of the International Measurement Confederation, 2021, 182, 109683. | 5.0 | 49 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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. | 8.1 | 18 |
| 53 | Deep transfer Wasserstein adversarial network for wafer map defect recognition. Computers and Industrial Engineering, 2021, 161, 107679. | 6.3 | 2 |
| 54 | Multisource Domain Adaption for Health Degradation Monitoring of Lithium-Ion Batteries. IEEE Transactions on Transportation Electrification, 2021, 7, 2279-2292. | 7.8 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | 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 |
| 56 | A Deep Domain Adaptative 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 |
| 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. | 4.7 | 7 |
| 58 | 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, 5135-5139. | 2.2 | 3 |
| 59 | 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. | 2.1 | 0 |
| 60 | 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 |
| 61 | 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. | 5.6 | 12 |
| 62 | Variable neighborhood search-based methods for integrated hybrid flow shop scheduling with distribution. <i>Soft Computing</i> , 2020, 24, 8917-8936. | 3.6 | 19 |
| 63 | 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 |
| 64 | 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 |
| 65 | 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 |
| 66 | 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 |
| 67 | Monitoring of complex profiles based on deep stacked denoising autoencoders. <i>Computers and Industrial Engineering</i> , 2020, 143, 106402. | 6.3 | 13 |
| 68 | Robust (min-max regret) single machine scheduling with interval processing times and total tardiness criterion. <i>Computers and Industrial Engineering</i> , 2020, 149, 106838. | 6.3 | 3 |
| 69 | 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. | 2.3 | 5 |
| 70 | 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 |
| 71 | 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 |
| 72 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 73 | 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 |
| 74 | Knowledge extraction and insertion to deep belief network for gearbox fault diagnosis. Knowledge-Based Systems, 2020, 197, 105883. | 7.1 | 78 |
| 75 | Microstructure Evolution and Mechanical Properties Improvement in Magnetic-controlled Electroslag Remelted Bearing Steel. ISIJ International, 2020, 60, 2462-2470. | 1.4 | 9 |
| 76 | A Fault Detection Method based on Convolutional Gated Recurrent Unit Auto-encoder for Tennessee Eastman Process. , 2020, , . | | 2 |
| 77 | A Machine vision method for non-contact Tool Wear Inspection. , 2020, , . | | 5 |
| 78 | Effects of ZrB ₂ addition on texture development and properties of porous Si ₃ N ₄ -ZrB ₂ composites by magnetic field alignment. Journal of Asian Ceramic Societies, 2019, 7, 368-376. | 2.3 | 0 |
| 79 | Deep recurrent neural network-based residual control chart for autocorrelated processes. Quality and Reliability Engineering International, 2019, 35, 2687-2708. | 2.3 | 16 |
| 80 | 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 |
| 81 | 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. | 2.5 | 10 |
| 82 | Steel/Slag Interface Behavior under Multifunction Electromagnetic Driving in a Continuous Casting Slab Mold. Metals, 2019, 9, 983. | 2.3 | 12 |
| 83 | 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. | 2.1 | 11 |
| 84 | Enhanced Stacked Denoising Autoencoder-Based Feature Learning for Recognition of Wafer Map Defects. IEEE Transactions on Semiconductor Manufacturing, 2019, 32, 613-624. | 1.7 | 45 |
| 85 | Enhanced strength-ductility synergy in ultrafine-grained eutectic high-entropy alloys by inheriting microstructural lamellae. Nature Communications, 2019, 10, 489. | 12.8 | 505 |
| 86 | Effect of TiB ₂ addition on grain orientation of porous Si ₃ N ₄ -TiB ₂ composites by magnetic field alignment technology. International Journal of Applied Ceramic Technology, 2019, 16, 1381-1389. | 2.1 | 0 |
| 87 | A New Morphological Filter for Fault Feature Extraction of Vibration Signals. IEEE Access, 2019, 7, 53743-53753. | 4.2 | 31 |
| 88 | Manifold regularized stacked denoising autoencoders with feature selection. Neurocomputing, 2019, 358, 235-245. | 5.9 | 14 |
| 89 | Evolutionary manifold regularized stacked denoising autoencoders for gearbox fault diagnosis. Knowledge-Based Systems, 2019, 178, 111-122. | 7.1 | 54 |
| 90 | A deep autoencoder feature learning method for process pattern recognition. Journal of Process Control, 2019, 79, 1-15. | 3.3 | 62 |

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|-----|--|-----|-----------|
| 91 | Stacked convolutional sparse denoising auto-encoder for identification of defect patterns in semiconductor wafer map. Computers in Industry, 2019, 109, 121-133. | 9.9 | 62 |
| 92 | A selective deep stacked denoising autoencoders ensemble with negative correlation learning for gearbox fault diagnosis. Computers in Industry, 2019, 108, 62-72. | 9.9 | 55 |
| 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. | 2.2 | 6 |
| 94 | Wafer Map Defect Recognition Based on Deep Transfer Learning. , 2019, , . | | 16 |
| 95 | Optimal Control of Blank Holder Force Based on Deep Reinforcement Learning. , 2019, , . | | 1 |
| 96 | 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 |
| 97 | Active features extracted by deep belief network for process monitoring. ISA Transactions, 2019, 84, 247-261. | 5.7 | 33 |
| 98 | 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. | 2.3 | 18 |
| 99 | 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. | 8.9 | 176 |
| 100 | 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 |
| 101 | Tool condition prognostics using logistic regression with penalization and manifold regularization. Applied Soft Computing Journal, 2018, 64, 454-467. | 7.2 | 25 |
| 102 | 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. | 4.7 | 35 |
| 103 | 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 |
| 104 | The mechanism of inclusion removal from molten steel by dissolved gas flotation. Ironmaking and Steelmaking, 2018, 45, 648-654. | 2.1 | 14 |
| 105 | Average combination difference morphological filters for fault feature extraction of bearing. Mechanical Systems and Signal Processing, 2018, 100, 827-845. | 8.0 | 61 |
| 106 | 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. | 3.2 | 10 |
| 107 | Microsegregation Formation in Al-Cu Alloy under Action of Steady Magnetic Field. ISIJ International, 2018, 58, 899-904. | 1.4 | 7 |
| 108 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | 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 |
| 110 | Cell-to-Dendrite Transition Induced by a Static Transverse Magnetic Field During Lasering Remelting of the Nickel-Based Superalloy. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2018, 49, 3211-3219. | 2.1 | 3 |
| 111 | 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 |
| 112 | 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 |
| 113 | A Bidimensional Local Mean Decomposition Algorithm. <i>Jisuanji Fuzhu Sheji Yu Tuxingxue Xuebao/Journal of Computer-Aided Design and Computer Graphics</i> , 2018, 30, 1859. | 0.2 | 0 |
| 114 | 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 |
| 115 | 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 |
| 116 | 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 |
| 117 | Enhanced diffusivity in Ni-Al system by alternating magnetic field. <i>Applied Physics Letters</i> , 2017, 110, . | 3.3 | 13 |
| 118 | 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 |
| 119 | Measurement of contact angles at room temperature in high magnetic field. <i>Review of Scientific Instruments</i> , 2017, 88, 115110. | 1.3 | 9 |
| 120 | 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 |
| 121 | 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. | 2.1 | 12 |
| 122 | Alternating-magnetic-field induced enhancement of diffusivity in Ni-Cr alloys. <i>Scientific Reports</i> , 2017, 7, 18085. | 3.3 | 15 |
| 123 | Influence of an Axial Magnetic Field on Microstructures and Alignment in Directionally Solidified Ni-based Superalloy. <i>ISIJ International</i> , 2017, 57, 337-342. | 1.4 | 14 |
| 124 | Effect of Si_3N_4 Initial Powder Size on Texture Development of Porous Si_3N_4 Ceramics Prepared by Gel-Casting in a Magnetic Field. <i>Transactions of the Indian Ceramic Society</i> , 2016, 75, 256-262. | 1.0 | 5 |
| 125 | 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. | 2.1 | 6 |
| 126 | Nanocrystalline $\text{Ce}_{1-x}\text{La}_x\text{O}_2$ Solid Solutions Synthesized by Hydrolyzing and Oxidizing. <i>Journal of Electronic Materials</i> , 2016, 45, 2559-2562. | 2.2 | 6 |

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|-----|---|-----|-----------|
| 127 | 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 |
| 128 | Process monitoring through manifold regularization-based GMM with global/local information. <i>Journal of Process Control</i> , 2016, 45, 84-99. | 3.3 | 25 |
| 129 | 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. | 2.2 | 3 |
| 130 | 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 |
| 131 | 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 |
| 132 | Development and application of an apparatus for high-temperature measurement of magnetic susceptibility. <i>Review of Scientific Instruments</i> , 2015, 86, 065105. | 1.3 | 0 |
| 133 | Magnetic-field dependence of nucleation undercoolings in non-magnetic metallic melts. <i>Philosophical Magazine Letters</i> , 2015, 95, 37-43. | 1.2 | 16 |
| 134 | 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 |
| 135 | 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 |
| 136 | Fabrication of textured Si ₃ N ₄ ceramics with \hat{I}^2 -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 |
| 137 | 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 |
| 138 | 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 |
| 139 | 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 |
| 140 | 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 |
| 141 | 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 |
| 142 | Gaussian mixture models-based control chart pattern recognition. <i>International Journal of Production Research</i> , 2012, 50, 6746-6762. | 7.5 | 6 |
| 143 | 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 |
| 144 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Local and global principal component analysis for process monitoring. Journal of Process Control, 2012, 22, 1358-1373. | 3.3 | 133 |
| 146 | Health Condition Monitoring of Machines Based on Hidden Markov Model and Contribution Analysis. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 2200-2211. | 4.7 | 116 |
| 147 | Fault Detection Using Principal Components-Based Gaussian Mixture Model for Semiconductor Manufacturing Processes. IEEE Transactions on Semiconductor Manufacturing, 2011, 24, 432-444. | 1.7 | 93 |
| 148 | Pattern recognition of manufacturing process signals using Gaussian mixture models-based recognition systems. Computers and Industrial Engineering, 2011, 61, 881-890. | 6.3 | 10 |
| 149 | Online tool wear prediction in drilling operations using selective artificial neural network ensemble model. Neural Computing and Applications, 2011, 20, 473-485. | 5.6 | 20 |
| 150 | Bearing performance degradation assessment using locality preserving projections. Expert Systems With Applications, 2011, 38, 7440-7450. | 7.6 | 96 |
| 151 | A hybrid feature selection scheme and self-organizing map model for machine health assessment. Applied Soft Computing Journal, 2011, 11, 4041-4054. | 7.2 | 76 |
| 152 | Bearing performance degradation assessment using locality preserving projections and Gaussian mixture models. Mechanical Systems and Signal Processing, 2011, 25, 2573-2588. | 8.0 | 218 |
| 153 | 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 |
| 154 | Structure and magnetic properties of MnZn nanoferrites synthesized under a high magnetic field. Journal of Applied Physics, 2011, 110, . | 2.5 | 19 |
| 155 | Online intelligent monitoring and diagnosis of aircraft horizontal stabilizer assemble processes. International Journal of Advanced Manufacturing Technology, 2010, 50, 377-389. | 3.0 | 10 |
| 156 | An effective heuristic for flexible job-shop scheduling problem with maintenance activities. Computers and Industrial Engineering, 2010, 59, 436-447. | 6.3 | 101 |
| 157 | Hidden Markov models combining local and global information for nonlinear and multimodal process monitoring. Journal of Process Control, 2010, 20, 344-359. | 3.3 | 78 |
| 158 | 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. | 7.6 | 38 |
| 159 | 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 |
| 160 | Using Minimum Quantization Error chart for the monitoring of process states in multivariate manufacturing processes. Computers and Industrial Engineering, 2009, 57, 1300-1312. | 6.3 | 17 |
| 161 | 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. | 7.6 | 83 |
| 162 | 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. | 8.1 | 55 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | 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. | 7.5 | 19 |
| 164 | Refining Mechanism of Pure Aluminum under Local Electromagnetic Vibration. ISIJ International, 2009, 49, 1150-1155. | 1.4 | 0 |
| 165 | Identification of product definition patterns in mass customization using a learning-based hybrid approach. International Journal of Advanced Manufacturing Technology, 2008, 38, 1061-1074. | 3.0 | 19 |
| 166 | Intelligent monitoring and diagnosis of manufacturing processes using an integrated approach of KBANN and GA. Computers in Industry, 2008, 59, 489-501. | 9.9 | 41 |
| 167 | Evolving artificial neural networks using an improved PSO and DPSO. Neurocomputing, 2008, 71, 1054-1060. | 5.9 | 197 |
| 168 | A similarity-based prognostics approach for Remaining Useful Life estimation of engineered systems. , 2008, , . | | 275 |
| 169 | Using an <i>MQE</i> 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. | 7.5 | 21 |
| 170 | STRUCTURE AND MAGNETIC PROPERTIES OF NANOCRYSTALLINE $MnZn$ FERRITES BY A PHASE TRANSFORMATION METHOD. International Journal of Modern Physics B, 2008, 22, 3433-3438. | 2.0 | 0 |
| 171 | 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. | 6.1 | 25 |
| 172 | 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 |
| 173 | Progress in Research on Solidification in a Strong Static Magnetic Field. Steel Research International, 2007, 78, 373-378. | 1.8 | 2 |
| 174 | A Neural Network Ensemble Approach for the Recognition of SPC Chart Patterns. , 2007, , . | | 2 |
| 175 | An Improved Particle Swarm Optimization for Evolving Feedforward Artificial Neural Networks. Neural Processing Letters, 2007, 26, 217-231. | 3.2 | 84 |
| 176 | Effect of distribution of magnetic flux density on purifying liquid metal by travelling magnetic field. Journal of Shanghai University, 1999, 3, 157-161. | 0.1 | 2 |
| 177 | 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 |
| 178 | An integrated method for variation pattern recognition of BIW OCMM online measurement data. International Journal of Production Research, 0, , 1-22. | 7.5 | 0 |
| 179 | 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 |