# Xiaodong Jia

## List of Publications by Year
in descending order

| 39 papers | 1,799 citations | 304368 22 h-index | 315357 38 g-index |
|---|---|---|---|
| 39 all docs | 39 docs citations | 39 times ranked | 1528 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 1 | A Novel Methodology for Lens Matching in Compact Lens Module Assembly. IEEE Transactions on Automation Science and Engineering, 2023, 20, 741-750. | 3.4 | 3 |
| 2 | Sequential optimization of the injection molding gate locations using parallel efficient global optimization. International Journal of Advanced Manufacturing Technology, 2022, 120, 3805-3819. | 1.5 | 1 |
| 3 | Knowledge transfer using Bayesian learning for predicting the process-property relationship of Inconel alloys obtained by laser powder bed fusion. Virtual and Physical Prototyping, 2022, 17, 787-805. | 5.3 | 10 |
| 4 | Evaluating Feature Selection and Anomaly Detection Methods of Hard Drive Failure Prediction. IEEE Transactions on Reliability, 2021, 70, 749-760. | 3.5 | 19 |
| 5 | A Markov model for short term wind speed prediction by integrating the wind acceleration information. Renewable Energy, 2021, 164, 242-253. | 4.3 | 30 |
| 6 | Methodology for Important Sensor Screening for Fault Detection and Classification in Semiconductor Manufacturing. IEEE Transactions on Semiconductor Manufacturing, 2021, 34, 65-73. | 1.4 | 14 |
| 7 | A unified Bayesian filtering framework for multi-horizon wind speed prediction with improved accuracy. Renewable Energy, 2021, 178, 709-719. | 4.3 | 10 |
| 8 | Intelligent Diagnostics for Ball Screw Fault Through Indirect Sensing Using Deep Domain Adaptation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11. | 2.4 | 27 |
| 9 | A novel scalable method for machine degradation assessment using deep convolutional neural network. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107106. | 2.5 | 22 |
| 10 | Gaussian Process Regression for numerical wind speed prediction enhancement. Renewable Energy, 2020, 146, 2112-2123. | 4.3 | 112 |
| 11 | Intelligent cross-machine fault diagnosis approach with deep auto-encoder and domain adaptation. Neurocomputing, 2020, 383, 235-247. | 3.5 | 84 |
| 12 | Deep Learning-Based Intelligent Defect Detection of Cutting Wheels with Industrial Images in Manufacturing. Procedia Manufacturing, 2020, 48, 902-907. | 1.9 | 8 |
| 13 | A Machine Vision Based Monitoring System for the LCD Panel Cutting Wheel Degradation. Procedia Manufacturing, 2020, 48, 49-53. | 1.9 | 5 |
| 14 | Intracranial Pressure Monitoring Signals After Traumatic Brain Injury: A Narrative Overview and Conceptual Data Science Framework. Frontiers in Neurology, 2020, 11, 959. | 1.1 | 16 |
| 15 | Industrial Artificial Intelligence in Industry 4.0 - Systematic Review, Challenges and Outlook. IEEE Access, 2020, 8, 220121-220139. | 2.6 | 208 |
| 16 | Industrial Remaining Useful Life Prediction by Partial Observation Using Deep Learning With Supervised Attention. IEEE/ASME Transactions on Mechatronics, 2020, 25, 2241-2251. | 3.7 | 38 |
| 17 | A similarity based methodology for machine prognostics by using kernel two sample test. ISA Transactions, 2020, 103, 112-121. | 3.1 | 35 |
| 18 | Quality analysis in metal additive manufacturing with deep learning. Journal of Intelligent Manufacturing, 2020, 31, 2003-2017. | 4.4 | 81 |

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|---|---------|-----|-----------|
| 19 | A Novel Method for Deposit Accumulation Assessment in Dry Etching Chamber. IEEE Transactions on Semiconductor Manufacturing, 2019, 32, 183-189. | 1.4 | 8 |
| 20 | An intelligent system for offshore wind farm maintenance scheduling optimization considering turbine production loss. Journal of Intelligent and Fuzzy Systems, 2019, 37, 6911-6923. | 0.8 | 7 |
| 21 | An Online Virtual Metrology Model With Sample Selection for the Tracking of Dynamic Manufacturing Processes With Slow Drift. IEEE Transactions on Semiconductor Manufacturing, 2019, 32, 574-582. | 1.4 | 19 |
| 22 | Detection and diagnosis of bottle capping failures based on motor current signature analysis. Procedia Manufacturing, 2019, 34, 840-846. | 1.9 | 11 |
| 23 | Performance degradation assessment of a wind turbine gearbox based on multi-sensor data fusion. Mechanism and Machine Theory, 2019, 137, 509-526. | 2.7 | 77 |
| 24 | A Methodology for the Early Diagnosis of Vehicle Torque Converter Clutch Degradation. , 2019, , . | | 0 |
| 25 | A combined filtering strategy for short term and long term wind speed prediction with improved accuracy. Renewable Energy, 2019, 136, 1082-1090. | 4.3 | 35 |
| 26 | A Novel Similarity-based Method for Remaining Useful Life Prediction Using Kernel Two Sample Test. Proceedings of the Annual Conference of the Prognostics and Health Management Society Prognostics and Health Management Society Conference, 2019, 11, . | 0.2 | 11 |
| 27 | Prognosability study of ball screw degradation using systematic methodology. Mechanical Systems and Signal Processing, 2018, 109, 45-57. | 4.4 | 69 |
| 28 | Assessment of Data Suitability for Machine Prognosis Using Maximum Mean Discrepancy. IEEE Transactions on Industrial Electronics, 2018, 65, 5872-5881. | 5.2 | 76 |
| 29 | Adaptive virtual metrology for semiconductor chemical mechanical planarization process using GMDH-type polynomial neural networks. Journal of Process Control, 2018, 62, 44-54. | 1.7 | 66 |
| 30 | Instantaneous speed jitter detection via encoder signal and its application for the diagnosis of planetary gearbox. Mechanical Systems and Signal Processing, 2018, 98, 16-31. | 4.4 | 83 |
| 31 | A deviation based assessment methodology for multiple machine health patterns classification and fault detection. Mechanical Systems and Signal Processing, 2018, 99, 244-261. | 4.4 | 37 |
| 32 | Sparse filtering with the generalized lp / lq norm and its applications to the condition monitoring of rotating machinery. Mechanical Systems and Signal Processing, 2018, 102, 198-213. | 4.4 | 90 |
| 33 | Review of PHM Data Competitions from 2008 to 2017. Proceedings of the Annual Conference of the Prognostics and Health Management Society Prognostics and Health Management Society Conference, 2018, 10, . | 0.2 | 24 |
| 34 | Modified Outlet Boundary Condition Schemes for Large Density Ratio Lattice Boltzmann Models. Journal of Heat Transfer, 2017, 139, . | 1.2 | 10 |
| 35 | A novel strategy for signal denoising using reweighted SVD and its applications to weak fault feature enhancement of rotating machinery. Mechanical Systems and Signal Processing, 2017, 94, 129-147. | 4.4 | 216 |
| 36 | Investigation on the kurtosis filter and the derivation of convolutional sparse filter for impulsive signature enhancement. Journal of Sound and Vibration, 2017, 386, 433-448. | 2.1 | 54 |

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| 37 | A geometrical investigation on the generalized l p /l q norm for blind deconvolution. Signal Processing, 2017, 134, 63-69. | 2.1 | 50 |
| 38 | Wind turbine performance degradation assessment based on a novel similarity metric for machine performance curves. Renewable Energy, 2016, 99, 1191-1201. | 4.3 | 99 |
| 39 | Simulation of double droplets impact on liquid film by a simplified lattice Boltzmann model. Applied Thermal Engineering, 2016, 98, 656-669. | 3.0 | 34 |