

Chuan Li

List of Publications by Year in descending order

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85
papers

2,797
citations

266019

23
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190239

50
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89
all docs

89
docs citations

89
times ranked

11379
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Wave-ConvNeXt: An Efficient and Precise Fault Diagnosis Method for IIoT Leveraging Tailored ConvNeXt and Wavelet Transform. IEEE Internet of Things Journal, 2024, 11, 23096-23109. | 9.3 | 0 |
| 2 | Prediction of Railway Embankment Slope Hydromechanical Properties under Bidirectional Water Level Fluctuations. Applied Sciences (Switzerland), 2024, 14, 3402. | 2.6 | 0 |
| 3 | Adversarial Fault Detector Guided by One-Class Learning for a Multistage Centrifugal Pump. IEEE/ASME Transactions on Mechatronics, 2023, 28, 1395-1403. | 6.1 | 3 |
| 4 | Incrementally Contrastive Learning of Homologous and Interclass Features for the Fault Diagnosis of Rolling Element Bearings. IEEE Transactions on Industrial Informatics, 2023, 19, 11182-11191. | 12.1 | 2 |
| 5 | Level-based multi-objective particle swarm optimizer for integrated production scheduling and vehicle routing decision with inventory holding, delivery, and tardiness costs. International Journal of Production Research, 2022, 60, 3319-3338. | 6.9 | 17 |
| 6 | Incremental Novelty Identification From Initially One-Class Learning to Unknown Abnormality Classification. IEEE Transactions on Industrial Electronics, 2022, 69, 7394-7404. | 8.2 | 21 |
| 7 | Simultaneous determination of guanine and adenine in human saliva with graphite sparked screen-printed electrodes. Talanta, 2022, 239, 123119. | 5.7 | 16 |
| 8 | Posture optimization in robotic machining based on comprehensive deformation index considering spindle weight and cutting force. Robotics and Computer-Integrated Manufacturing, 2022, 74, 102290. | 10.2 | 31 |
| 9 | Genetic lesions of the noradrenergic system trigger induction of oxidative stress and inflammation in the ventral midbrain. Neurochemistry International, 2022, 155, 105302. | 3.9 | 4 |
| 10 | Mechanical Properties of Cu-GO Composite by Varying GO Mesh Sizes. Metals, 2022, 12, 601. | 2.4 | 4 |
| 11 | Flank wear prediction using spatial binary properties and artificial neural network in face milling of Inconel 718. International Journal of Advanced Manufacturing Technology, 2022, 120, 4387-4401. | 3.0 | 5 |
| 12 | VGAN: Generalizing MSE GAN and WGAN-GP for Robot Fault Diagnosis. IEEE Intelligent Systems, 2022, 37, 65-75. | 5.5 | 5 |
| 13 | Lifespan prognostics for lithium-ion batteries using Long Short Term Memory. , 2022, , . | | 0 |
| 14 | Fusing convolutional generative adversarial encoders for 3D printer fault detection with only normal condition signals. Mechanical Systems and Signal Processing, 2021, 147, 107108. | 8.2 | 36 |
| 15 | From fault detection to one-class severity discrimination of 3D printers with one-class support vector machine. ISA Transactions, 2021, 110, 357-367. | 6.2 | 18 |
| 16 | A novel doublet extreme learning machines for Delta 3D printer fault diagnosis using attitude sensor. ISA Transactions, 2021, 109, 327-339. | 6.2 | 8 |
| 17 | Fault Diagnosis for Wind Turbine Gearboxes by Using Deep Enhanced Fusion Network. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11. | 4.7 | 26 |
| 18 | Theoretical Investigations on Kurtosis and Entropy and Their Improvements for System Health Monitoring. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10. | 4.7 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Resolving Complex Carbonate Imaging Challenges with FWI on Short-Offset Vintage Streamer Data. Proceedings (EAGE), 2021, , . | 0.6 | 0 |
| 20 | On the mathematical modelling of visual sensors when computing coverage metrics in camera-based sensing applications. , 2021, , . | | 0 |
| 21 | Pt Single Atoms Supported on Nâ€Doped Mesoporous Hollow Carbon Spheres with Enhanced Electrocatalytic H ₂ Evolution Activity. Advanced Materials, 2021, 33, e2008599. | 24.3 | 368 |
| 22 | A manufacturing quality prediction model based on AdaBoost-LSTM with rough knowledge. Computers and Industrial Engineering, 2021, 155, 107227. | 6.5 | 46 |
| 23 | Sparse Autoencoder-based Multi-head Deep Neural Networks for Machinery Fault Diagnostics with Detection of Novelty. Chinese Journal of Mechanical Engineering (English Edition), 2021, 34, . | 3.8 | 21 |
| 24 | Effect of graphene on the mechanical and anisotropic thermal properties of Cuâ€Ta composites. Nanotechnology, 2021, 32, 435701. | 2.7 | 0 |
| 25 | Compressive properties, mechanical anisotropy and hardness analysis of Mgâ€Zn alloy under cross pre-compression. Archives of Civil and Mechanical Engineering, 2021, 21, 1. | 3.9 | 1 |
| 26 | Komplexe PCI: Radialer Zugang punktet auch bei groÿen Schleusen. CardioVasc, 2021, 21, 30-31. | 0.0 | 0 |
| 27 | Remaining Useful Life Prediction of Lithium-ion Battery Based on Cycle-consistency Learning. , 2021, , . | | 2 |
| 28 | Evolving Deep Echo State Networks for Intelligent Fault Diagnosis. IEEE Transactions on Industrial Informatics, 2020, 16, 4928-4937. | 12.1 | 141 |
| 29 | Deep Hybrid State Network With Feature Reinforcement for Intelligent Fault Diagnosis of Delta 3-D Printers. IEEE Transactions on Industrial Informatics, 2020, 16, 779-789. | 12.1 | 37 |
| 30 | Forecasting Bus Passenger Flows by Using a Clustering-Based Support Vector Regression Approach. IEEE Access, 2020, 8, 19717-19725. | 4.4 | 19 |
| 31 | Development of life cycle assessment of an emerging technology at research and development stage: A case study on single-wall carbon nanotube produced by super growth method. Journal of Cleaner Production, 2020, 255, 120015. | 9.5 | 15 |
| 32 | Preparation and antitumor applications of asymmetric propargyl amide maleimide based enediyne antibiotics. Tetrahedron, 2020, 76, 131242. | 2.0 | 9 |
| 33 | Lise Meitner (1878â€1968): Pionierin der Atomphysik / Lise Meitner (1878â€1968): Pioneer in Nuclear Physics. , 2020, , 173-204. | | 0 |
| 34 | Influence of Accelerometer Position on Gearbox Fault Severity Classification through Evaluation of Deep Learning Models. , 2019, , . | | 0 |
| 35 | Accelerometer Placement Comparison for Crack Detection in Railway Axles Using Vibration Signals and Machine Learning. , 2019, , . | | 6 |
| 36 | Data Management Requirements for PHM Implementation in SMEs. , 2019, , . | | 7 |

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|----|---|------|-----------|
| 37 | Deep Learning-Based Gear Pitting Severity Assessment Using Acoustic Emission, Vibration and Currents Signals. , 2019, , . | | 10 |
| 38 | Flexible Kurtogram for Extracting Repetitive Transients for Prognostics and Health Management of Rotating Components. IEEE Access, 2019, 7, 55631-55639. | 4.4 | 8 |
| 39 | Generative Adversarial Networks Selection Approach for Extremely Imbalanced Fault Diagnosis of Reciprocating Machinery. IEEE Access, 2019, 7, 70643-70653. | 4.4 | 56 |
| 40 | Genome-wide estimates of genetic diversity, inbreeding and effective size of experimental and commercial rainbow trout lines undergoing selective breeding. Genetics Selection Evolution, 2019, 51, 26. | 3.0 | 67 |
| 41 | Water-Resistant Smartphone Technologies. IEEE Access, 2019, 7, 42757-42773. | 4.4 | 16 |
| 42 | Mechanism of DNA translocation underlying chromatin remodelling by Snf2. Nature, 2019, 567, 409-413. | 36.2 | 114 |
| 43 | A LSTM Neural Network Approach using Vibration Signals for Classifying Faults in a Gearbox. , 2019, , . | | 3 |
| 44 | Low-cost and Small-sample Fault Diagnosis for 3D Printers Based on Echo State Networks. , 2019, , . | | 4 |
| 45 | Measurement of the Splitting Function in $\langle \text{mml:math display="inline"> < mml:mi> p</mml:mi> < mml:mi> p</mml:mi> </mml:math>$ and Pb-Pb Collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow> < mml:msort> < mml:mrow> < mml:msub> < mml:mrow> < mml:mi> s</mml:mi> </mml:mrow> < mml:mrow> </mml:mrow> </mml:math>$ Physical Review Letters, 2018, 120, 142302. | 8.0 | 81 |
| 46 | An adaptive genomic difference based genetic algorithm and its application to memetic continuous optimization. Intelligent Data Analysis, 2018, 22, 363-382. | 0.9 | 2 |
| 47 | Changes in in vivo confocal microscopic findings of ocular surface squamous neoplasia during treatment with topical interferon alfa-2b. Ocular Surface, 2018, 16, 235-241. | 4.6 | 11 |
| 48 | A review on data-driven fault severity assessment in rolling bearings. Mechanical Systems and Signal Processing, 2018, 99, 169-196. | 8.2 | 534 |
| 49 | Application Research of ARIMA Model in Wind Turbine Gearbox Fault Trend Prediction. , 2018, , . | | 5 |
| 50 | It is Worth Pondering Whether a Carbon Tax is Suitable for China's Agricultural-Related Sectors. Energies, 2018, 11, 2296. | 3.2 | 5 |
| 51 | Multi-Scale Fuzzy Inference System for Influent Characteristic Prediction of Wastewater Treatment. Clean - Soil, Air, Water, 2018, 46, 1700343. | 1.3 | 17 |
| 52 | Evaluating Water Consumption Based on Water Hierarchy Structure for Sustainable Development Using Grey Relational Analysis: Case Study in Chongqing, China. Sustainability, 2018, 10, 1538. | 3.3 | 11 |
| 53 | Prediction and Analysis of CO2 Emission in Chongqing for the Protection of Environment and Public Health. International Journal of Environmental Research and Public Health, 2018, 15, 530. | 2.7 | 12 |
| 54 | Manufacturing Quality Prediction Using Intelligent Learning Approaches: A Comparative Study. Sustainability, 2018, 10, 85. | 3.3 | 32 |

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|----|---|------|-----------|
| 55 | An ensemble learning-based fault diagnosis method for rotating machinery. , 2017, , . | | 11 |
| 56 | Some Preliminary Results on the Comparison of FCM, GK, FCMFP and FN-DBSCAN for Bearing Fault Diagnosis. , 2017, , . | | 6 |
| 57 | Rolling bearing fault diagnosis based on Deep Boltzmann machines. , 2016, , . | | 15 |
| 58 | A comparative study of interpolation discrete fourier transform algorithms under strong noise. , 2016, , . | | 0 |
| 59 | Gait analysis with six axes inertial sensor and force sensor for daily motion. , 2016, , . | | 0 |
| 60 | 4-Aryl-3-(methanesulfonyl)pyrazolo[5,1-c][1,2,4]triazines and their transformations. Russian Journal of Organic Chemistry, 2016, 52, 1316-1321. | 0.8 | 6 |
| 61 | Minimally invasive endovascular stent-electrode array for high-fidelity, chronic recordings of cortical neural activity. Nature Biotechnology, 2016, 34, 320-327. | 20.8 | 235 |
| 62 | Steady-state harmonic response analysis of a stranded wire helical spring-mass system using an iterative harmonic balance method. JVC/Journal of Vibration and Control, 2016, 22, 1449-1461. | 2.7 | 4 |
| 63 | Efficiency of electromagnetic vibration energy harvesting system. Proceedings of SPIE, 2015, , . | 1.0 | 1 |
| 64 | Enhancement of the Wear Particle Monitoring Capability of Oil Debris Sensors Using a Maximal Overlap Discrete Wavelet Transform with Optimal Decomposition Depth. Sensors, 2014, 14, 6207-6228. | 4.0 | 33 |
| 65 | The 3.5 Ångström X-ray structure of the human connexin26 gap junction channel is unlikely that of a fully open channel. Cell Communication and Signaling, 2013, 11, 15. | 6.7 | 24 |
| 66 | Verhulst Model of Interval Grey Number Based on Information Decomposing and Model Combination. Journal of Applied Mathematics, 2013, 2013, 1-8. | 1.0 | 5 |
| 67 | Vibration suppression using two-terminal flywheel. Part I: Modeling and characterization. JVC/Journal of Vibration and Control, 2012, 18, 1096-1105. | 2.7 | 35 |
| 68 | Ecological aspects of early life stages of Cotylorhiza tuberculata (Scyphozoa: Rhizostomae) affecting its pelagic population success. Hydrobiologia, 2012, 690, 141-155. | 2.0 | 26 |
| 69 | The effects that changes in the diaphragm aperture have on the resulting shock tube flow. Shock Waves, 2012, 22, 287-293. | 1.9 | 13 |
| 70 | PMH6 DIFFERENTIAL RATES OF SIDE EFFECTS IN DEPRESSED ADULTS AND ADOLESCENTS BEING TREATED WITH ANTIDEPRESSANTS. Value in Health, 2011, 14, A186. | 0.3 | 0 |
| 71 | Investigation of the Phase Relations in the Al-Rich Alloys of the Al-Sc-Hf System in Solid State. Journal of Phase Equilibria and Diffusion, 2010, 31, 327-332. | 1.5 | 9 |
| 72 | A commonly carried allele of the obesity-related <i>FTO</i> gene is associated with reduced brain volume in the healthy elderly. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8404-8409. | 7.6 | 229 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Influence of Pollution Concentration on Bioremediation of Petroleum-Contaminated Soil. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , . | 0.0 | 0 |
| 74 | Inverse Dynamic System Identification Using Multiple Support Vector Machines. , 2009, , . | | 1 |
| 75 | 32TW atmospheric white-light laser. Applied Physics Letters, 2007, 90, 151106. | 3.2 | 34 |
| 76 | Damped soft phonons and diffuse scattering in 40%Pb(Mg _{1-x} Nb _{2x-3})O ₃ ~60%PbTiO ₃ . Physical Review B, 2006, 73, . | 3.3 | 64 |
| 77 | Electroluminescent Properties of Heterostructures with GaInNAs Quantum Wells. Semiconductors, 2005, 39, 30. | 0.6 | 1 |
| 78 | Boundary non-local charges from the open spin chain. Journal of Statistical Mechanics: Theory and Experiment, 2005, 2005, P12005-P12005. | 2.3 | 19 |
| 79 | On an oppenheim-type conjecture for systems of quadratic forms. Israel Journal of Mathematics, 2004, 140, 125-144. | 0.8 | 5 |
| 80 | The search for the key: aid, investment and policies in Africa. Journal of African Economies, 1999, 8, 546-577. | 1.7 | 86 |
| 81 | Supplementary Bibliography on the Schottky Problem. Lecture Notes in Mathematics, 1999, , 301-304. | 0.0 | 0 |
| 82 | Determination of a 12 kb nucleotide sequence around the 76Å° region of the Bacillus subtilis chromosome. Microbiology (United Kingdom), 1996, 142, 1417-1421. | 1.8 | 20 |
| 83 | Patterns of thermal maturity as diagnostic criteria for interpretation of melanges. Geology, 1995, 23, 1144. | 4.3 | 26 |
| 84 | Identification of lamin B and histones as 1,25-dihydroxyvitamin D ₃ -regulated nuclear phosphoproteins in HL-60 cells.. Journal of Biological Chemistry, 1992, 267, 7511-7519. | 3.5 | 14 |
| 85 | Effect of lithium on normal and chronic granulocytic leukemia colony forming cells (CFU-GM). Experientia, 1981, 37, 1340-1341. | 1.2 | 4 |