

Chuan Li

List of Publications by Year in descending order

Source: [//exaly.com/author-pdf/1647117/publications.pdf](https://exaly.com/author-pdf/1647117/publications.pdf)

Version: 2024-02-01

85
papers

2,797
citations

266019

23
h-index

190239

50
g-index

89
all docs

89
docs citations

89
times ranked

11379
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on data-driven fault severity assessment in rolling bearings. <i>Mechanical Systems and Signal Processing</i> , 2018, 99, 169-196.	8.2	534
2	Pt Single Atoms Supported on N-Doped Mesoporous Hollow Carbon Spheres with Enhanced Electrocatalytic H ₂ Evolution Activity. <i>Advanced Materials</i> , 2021, 33, e2008599.	24.3	368
3	Minimally invasive endovascular stent-electrode array for high-fidelity, chronic recordings of cortical neural activity. <i>Nature Biotechnology</i> , 2016, 34, 320-327.	20.8	235
4	A commonly carried allele of the obesity-related <i>FTO</i> gene is associated with reduced brain volume in the healthy elderly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8404-8409.	7.6	229
5	Evolving Deep Echo State Networks for Intelligent Fault Diagnosis. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 4928-4937.	12.1	141
6	Mechanism of DNA translocation underlying chromatin remodelling by Snf2. <i>Nature</i> , 2019, 567, 409-413.	36.2	114
7	The search for the key: aid, investment and policies in Africa. <i>Journal of African Economies</i> , 1999, 8, 546-577.	1.7	86
8	Measurement of the Splitting Function in $p\bar{p}$ and Pb-Pb Collisions at \sqrt{s} and $\sqrt{s_{NN}}$. <i>Physical Review Letters</i> , 2018, 120, 142302.	8.0	81
9	Genome-wide estimates of genetic diversity, inbreeding and effective size of experimental and commercial rainbow trout lines undergoing selective breeding. <i>Genetics Selection Evolution</i> , 2019, 51, 26.	3.0	67
10	Damped soft phonons and diffuse scattering in 40%Pb(Mg _{1-x} Nb _{2x-3})O ₃ ~60%PbTiO ₃ . <i>Physical Review B</i> , 2006, 73, .	3.3	64
11	Generative Adversarial Networks Selection Approach for Extremely Imbalanced Fault Diagnosis of Reciprocating Machinery. <i>IEEE Access</i> , 2019, 7, 70643-70653.	4.4	56
12	A manufacturing quality prediction model based on AdaBoost-LSTM with rough knowledge. <i>Computers and Industrial Engineering</i> , 2021, 155, 107227.	6.5	46
13	Deep Hybrid State Network With Feature Reinforcement for Intelligent Fault Diagnosis of Delta 3-D Printers. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 779-789.	12.1	37
14	Fusing convolutional generative adversarial encoders for 3D printer fault detection with only normal condition signals. <i>Mechanical Systems and Signal Processing</i> , 2021, 147, 107108.	8.2	36
15	Vibration suppression using two-terminal flywheel. Part I: Modeling and characterization. <i>JVC/Journal of Vibration and Control</i> , 2012, 18, 1096-1105.	2.7	35
16	32TW atmospheric white-light laser. <i>Applied Physics Letters</i> , 2007, 90, 151106.	3.2	34
17	Enhancement of the Wear Particle Monitoring Capability of Oil Debris Sensors Using a Maximal Overlap Discrete Wavelet Transform with Optimal Decomposition Depth. <i>Sensors</i> , 2014, 14, 6207-6228.	4.0	33
18	Manufacturing Quality Prediction Using Intelligent Learning Approaches: A Comparative Study. <i>Sustainability</i> , 2018, 10, 85.	3.3	32

#	ARTICLE	IF	CITATIONS
19	Posture optimization in robotic machining based on comprehensive deformation index considering spindle weight and cutting force. <i>Robotics and Computer-Integrated Manufacturing</i> , 2022, 74, 102290.	10.2	31
20	Patterns of thermal maturity as diagnostic criteria for interpretation of melanges. <i>Geology</i> , 1995, 23, 1144.	4.3	26
21	Ecological aspects of early life stages of <i>Cotylorhiza tuberculata</i> (Scyphozoa: Rhizostomae) affecting its pelagic population success. <i>Hydrobiologia</i> , 2012, 690, 141-155.	2.0	26
22	Fault Diagnosis for Wind Turbine Gearboxes by Using Deep Enhanced Fusion Network. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-11.	4.7	26
23	The 3.5 Ångström X-ray structure of the human connexin26 gap junction channel is unlikely that of a fully open channel. <i>Cell Communication and Signaling</i> , 2013, 11, 15.	6.7	24
24	Sparse Autoencoder-based Multi-head Deep Neural Networks for Machinery Fault Diagnostics with Detection of Novelty. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2021, 34, .	3.8	21
25	Incremental Novelty Identification From Initially One-Class Learning to Unknown Abnormality Classification. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 7394-7404.	8.2	21
26	Determination of a 12 kb nucleotide sequence around the 76Å° region of the <i>Bacillus subtilis</i> chromosome. <i>Microbiology (United Kingdom)</i> , 1996, 142, 1417-1421.	1.8	20
27	Boundary non-local charges from the open spin chain. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2005, 2005, P12005-P12005.	2.3	19
28	Forecasting Bus Passenger Flows by Using a Clustering-Based Support Vector Regression Approach. <i>IEEE Access</i> , 2020, 8, 19717-19725.	4.4	19
29	From fault detection to one-class severity discrimination of 3D printers with one-class support vector machine. <i>ISA Transactions</i> , 2021, 110, 357-367.	6.2	18
30	Multi-Scale Fuzzy Inference System for Influent Characteristic Prediction of Wastewater Treatment. <i>Clean - Soil, Air, Water</i> , 2018, 46, 1700343.	1.3	17
31	Level-based multi-objective particle swarm optimizer for integrated production scheduling and vehicle routing decision with inventory holding, delivery, and tardiness costs. <i>International Journal of Production Research</i> , 2022, 60, 3319-3338.	6.9	17
32	Water-Resistant Smartphone Technologies. <i>IEEE Access</i> , 2019, 7, 42757-42773.	4.4	16
33	Simultaneous determination of guanine and adenine in human saliva with graphite sparked screen-printed electrodes. <i>Talanta</i> , 2022, 239, 123119.	5.7	16
34	Rolling bearing fault diagnosis based on Deep Boltzmann machines. , 2016, , .		15
35	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. <i>Journal of Cleaner Production</i> , 2020, 255, 120015.	9.5	15
36	Theoretical Investigations on Kurtosis and Entropy and Their Improvements for System Health Monitoring. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-10.	4.7	15

#	ARTICLE	IF	CITATIONS
37	Identification of lamin B and histones as 1,25-dihydroxyvitamin D3-regulated nuclear phosphoproteins in HL-60 cells.. Journal of Biological Chemistry, 1992, 267, 7511-7519.	3.5	14
38	The effects that changes in the diaphragm aperture have on the resulting shock tube flow. Shock Waves, 2012, 22, 287-293.	1.9	13
39	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
40	An ensemble learning-based fault diagnosis method for rotating machinery. , 2017, , .		11
41	Changes in inÂvivo confocal microscopic findings of ocular surface squamous neoplasia during treatment with topical interferon alfa-2b. Ocular Surface, 2018, 16, 235-241.	4.6	11
42	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
43	Deep Learning-Based Gear Pitting Severity Assessment Using Acoustic Emission, Vibration and Currents Signals. , 2019, , .		10
44	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
45	Preparation and antitumor applications of asymmetric propargyl amide maleimide based enediyne antibiotics. Tetrahedron, 2020, 76, 131242.	2.0	9
46	Flexible Kurtogram for Extracting Repetitive Transients for Prognostics and Health Management of Rotating Components. IEEE Access, 2019, 7, 55631-55639.	4.4	8
47	A novel doublet extreme learning machines for Delta 3D printer fault diagnosis using attitude sensor. ISA Transactions, 2021, 109, 327-339.	6.2	8
48	Data Management Requirements for PHM Implementation in SMEs. , 2019, , .		7
49	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
50	Some Preliminary Results on the Comparison of FCM, GK, FCMFP and FN-DBSCAN for Bearing Fault Diagnosis. , 2017, , .		6
51	Accelerometer Placement Comparison for Crack Detection in Railway Axles Using Vibration Signals and Machine Learning. , 2019, , .		6
52	On an oppenheim-type conjecture for systems of quadratic forms. Israel Journal of Mathematics, 2004, 140, 125-144.	0.8	5
53	Verhulst Model of Interval Grey Number Based on Information Decomposing and Model Combination. Journal of Applied Mathematics, 2013, 2013, 1-8.	1.0	5
54	Application Research of ARIMA Model in Wind Turbine Gearbox Fault Trend Prediction. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
55	It is Worth Pondering Whether a Carbon Tax is Suitable for China's Agricultural-Related Sectors. <i>Energies</i> , 2018, 11, 2296.	3.2	5
56	Flank wear prediction using spatial binary properties and artificial neural network in face milling of Inconel 718. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 120, 4387-4401.	3.0	5
57	VGAN: Generalizing MSE GAN and WGAN-GP for Robot Fault Diagnosis. <i>IEEE Intelligent Systems</i> , 2022, 37, 65-75.	5.5	5
58	Effect of lithium on normal and chronic granulocytic leukemia colony forming cells (CFU-GM). <i>Experientia</i> , 1981, 37, 1340-1341.	1.2	4
59	Steady-state harmonic response analysis of a stranded wire helical spring-mass system using an iterative harmonic balance method. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 1449-1461.	2.7	4
60	Low-cost and Small-sample Fault Diagnosis for 3D Printers Based on Echo State Networks. , 2019, , .		4
61	Genetic lesions of the noradrenergic system trigger induction of oxidative stress and inflammation in the ventral midbrain. <i>Neurochemistry International</i> , 2022, 155, 105302.	3.9	4
62	Mechanical Properties of Cu-GO Composite by Varying GO Mesh Sizes. <i>Metals</i> , 2022, 12, 601.	2.4	4
63	A LSTM Neural Network Approach using Vibration Signals for Classifying Faults in a Gearbox. , 2019, , .		3
64	Adversarial Fault Detector Guided by One-Class Learning for a Multistage Centrifugal Pump. <i>IEEE/ASME Transactions on Mechatronics</i> , 2023, 28, 1395-1403.	6.1	3
65	An adaptive genomic difference based genetic algorithm and its application to memetic continuous optimization. <i>Intelligent Data Analysis</i> , 2018, 22, 363-382.	0.9	2
66	Remaining Useful Life Prediction of Lithium-ion Battery Based on Cycle-consistency Learning. , 2021, , .		2
67	Incrementally Contrastive Learning of Homologous and Interclass Features for the Fault Diagnosis of Rolling Element Bearings. <i>IEEE Transactions on Industrial Informatics</i> , 2023, 19, 11182-11191.	12.1	2
68	Electroluminescent Properties of Heterostructures with GaInNAs Quantum Wells. <i>Semiconductors</i> , 2005, 39, 30.	0.6	1
69	Inverse Dynamic System Identification Using Multiple Support Vector Machines. , 2009, , .		1
70	Efficiency of electromagnetic vibration energy harvesting system. <i>Proceedings of SPIE</i> , 2015, , .	1.0	1
71	Compressive properties, mechanical anisotropy and hardness analysis of Mg-Zn alloy under cross pre-compression. <i>Archives of Civil and Mechanical Engineering</i> , 2021, 21, 1.	3.9	1
72	Supplementary Bibliography on the Schottky Problem. <i>Lecture Notes in Mathematics</i> , 1999, , 301-304.	0.0	0

#	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	PMH6 DIFFERENTIAL RATES OF SIDE EFFECTS IN DEPRESSED ADULTS AND ADOLESCENTS BEING TREATED WITH ANTIDEPRESSANTS. Value in Health, 2011, 14, A186.	0.3	0
75	A comparative study of interpolation discrete fourier transform algorithms under strong noise. , 2016, , .		0
76	Gait analysis with six axes inertial sensor and force sensor for daily motion. , 2016, , .		0
77	Influence of Accelerometer Position on Gearbox Fault Severity Classification through Evaluation of Deep Learning Models. , 2019, , .		0
78	Resolving Complex Carbonate Imaging Challenges with FWI on Short-Offset Vintage Streamer Data. Proceedings (EAGE), 2021, , .	0.6	0
79	On the mathematical modelling of visual sensors when computing coverage metrics in camera-based sensing applications. , 2021, , .		0
80	Effect of graphene on the mechanical and anisotropic thermal properties of Cuâ€“Ta composites. Nanotechnology, 2021, 32, 435701.	2.7	0
81	Komplexe PCI: Radialer Zugang punktet auch bei groÃŸen Schleusen. CardioVasc, 2021, 21, 30-31.	0.0	0
82	Lise Meitner (1878â€“1968): Pionierin der Atomphysik / Lise Meitner (1878â€“1968): Pioneer in Nuclear Physics. , 2020, , 173-204.		0
83	Lifespan prognostics for lithium-ion batteries using Long Short Term Memory. , 2022, , .		0
84	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
85	Prediction of Railway Embankment Slope Hydromechanical Properties under Bidirectional Water Level Fluctuations. Applied Sciences (Switzerland), 2024, 14, 3402.	2.6	0