

# Yi Jin

## List of Publications by Year in descending order

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53  
papers

1,365  
citations

394421

19  
h-index

345221

36  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1198  
citing authors

#	ARTICLE	IF	CITATIONS
1	CNN based automatic detection of photovoltaic cell defects in electroluminescence images. <i>Energy</i> , 2019, 189, 116319.	8.8	145
2	Application of bio-inspired algorithms in maximum power point tracking for PV systems under partial shading conditions – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 840-873.	16.4	122
3	Automatic detection of photovoltaic module defects in infrared images with isolated and develop-model transfer deep learning. <i>Solar Energy</i> , 2020, 198, 175-186.	6.1	113
4	Research and current status of the solar photovoltaic water pumping system – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 440-458.	16.4	102
5	Facial expression recognition with convolutional neural networks via a new face cropping and rotation strategy. <i>Visual Computer</i> , 2020, 36, 391-404.	3.5	102
6	Predicting tool wear with multi-sensor data using deep belief networks. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 99, 1917-1926.	3.0	95
7	Deep features based on a DCNN model for classifying imbalanced weld flaw types. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 131, 482-489.	5.0	84
8	Improved outdoor thermography and processing of infrared images for defect detection in PV modules. <i>Solar Energy</i> , 2019, 190, 549-560.	6.1	47
9	An Adaptive Anti-Noise Neural Network for Bearing Fault Diagnosis Under Noise and Varying Load Conditions. <i>IEEE Access</i> , 2020, 8, 74793-74807.	4.2	44
10	Thermo-mechanical behavior assessment of smart wire connected and busbarPV modules during production, transportation, and subsequent field loading stages. <i>Energy</i> , 2019, 168, 931-945.	8.8	33
11	Study of manufacturing and hotspot formation in cut cell and full cell PV modules. <i>Solar Energy</i> , 2020, 203, 247-259.	6.1	33
12	Performance Analysis and Discussion on the Thermoelectric Element Footprint for PV – TE Maximum Power Generation. <i>Journal of Electronic Materials</i> , 2018, 47, 5344-5351.	2.2	28
13	Failures of Photovoltaic modules and their Detection: A Review. <i>Applied Energy</i> , 2022, 313, 118822.	10.1	28
14	A Novel Maximum Power Point Tracking Algorithm Based on Glowworm Swarm Optimization for Photovoltaic Systems. <i>International Journal of Photoenergy</i> , 2016, 2016, 1-9.	2.5	26
15	Discussion on the solar concentrating thermoelectric generation using micro-channel heat pipe array. <i>Heat and Mass Transfer</i> , 2017, 53, 3249-3256.	2.1	25
16	Spatial resolution in photoacoustic computed tomography. <i>Reports on Progress in Physics</i> , 2021, 84, 036701.	20.1	25
17	Photovoltaic cell defect classification using convolutional neural network and support vector machine. <i>IET Renewable Power Generation</i> , 2020, 14, 2693-2702.	3.1	25
18	A Method for Recognizing Fatigue Driving Based on Dempster-Shafer Theory and Fuzzy Neural Network. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-10.	1.1	22

#	ARTICLE	IF	CITATIONS
19	A novel multi-adversarial cross-domain neural network for bearing fault diagnosis. Measurement Science and Technology, 2021, 32, 055102.	2.6	21
20	Phase-shifting profilometry for the robust 3-D shape measurement of moving objects. Optics Express, 2019, 27, 22100.	3.4	20
21	Automated cement fragment image segmentation and distribution estimation via a holistically-nested convolutional network and morphological analysis. Powder Technology, 2018, 339, 306-313.	4.2	19
22	Multiframe-to-Multiframe Network for Video Denoising. IEEE Transactions on Multimedia, 2022, 24, 2164-2178.	7.2	16
23	Dynamic 3-D shape measurement in an unlimited depth range based on adaptive pixel-by-pixel phase unwrapping. Optics Express, 2020, 28, 14319.	3.4	16
24	3-D Measurement Method for Multireflectivity Scenes Based on Nonlinear Fringe Projection Intensity Adjustment. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	15
25	Semisupervised Semantic Segmentation by Improving Prediction Confidence. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4991-5003.	11.3	14
26	DOF: A Demand-Oriented Framework for Image Denoising. IEEE Transactions on Industrial Informatics, 2021, 17, 5369-5379.	11.3	10
27	Joint Coding Strategy of the Phase Domain and Intensity Domain for Absolute Phase Retrieval. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	10
28	Shading-based absolute phase unwrapping. Optics Letters, 2021, 46, 1955.	3.3	10
29	HFMNet: Hierarchical Feature Mining Network for Low-Light Image Enhancement. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	4.7	10
30	Optimizing on thermoelectric elements footprint of the photovoltaic-thermoelectric for maximum power generation. Energy Procedia, 2017, 142, 730-735.	1.8	9
31	Investigating tension in overhead high voltage power transmission line using finite element method. International Journal of Electrical Power and Energy Systems, 2020, 114, 105418.	5.5	9
32	A multiscale dilated residual network for image denoising. Multimedia Tools and Applications, 2020, 79, 34443-34458.	3.9	8
33	Automatic 3-D Measurement Method for Nonuniform Moving Objects. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	8
34	High Dynamic Range Imaging for Dynamic Scenes With Large-Scale Motions and Severe Saturation. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	4.7	8
35	Support vector machine based prediction of photovoltaic module and power station parameters. International Journal of Green Energy, 2020, 17, 219-232.	3.8	7
36	High-efficiency low-power microdefect detection in photovoltaic cells via a field programmable gate array-accelerated dual-flow network. Applied Energy, 2022, 318, 119203.	10.1	7

#	ARTICLE	IF	CITATIONS
37	Optical Simulation and Experimental Verification of a Fresnel Solar Concentrator with a New Hybrid Second Optical Element. <i>International Journal of Photoenergy</i> , 2016, 2016, 1-8.	2.5	6
38	Technique for two-dimensional displacement field determination using a reliability-guided spatial-gradient-based digital image correlation algorithm. <i>Applied Optics</i> , 2018, 57, 2780.	1.8	6
39	Intensity diffusion: a concealed cause of fringe distortion in fringe projection profilometry. <i>Photonics Research</i> , 2022, 10, 1210.	7.0	6
40	Discriminative repair approach to remove shadow-induced error for typical digital fringe projection. <i>Optics Express</i> , 2020, 28, 26076.	3.4	5
41	Output-only modal identification based on hierarchical Hough transform. <i>Journal of Mechanical Science and Technology</i> , 2016, 30, 2941-2951.	1.5	4
42	Numerical simulations to improve the performance of tunable diode laser absorption tomography in a harsh combustion environment. <i>Spectroscopy Letters</i> , 2018, 51, 7-16.	1.0	4
43	Phase-contrast imaging for body composition measurement. <i>Physica Medica</i> , 2017, 43, 25-33.	0.7	3
44	Sparse Component Analysis Based on Hierarchical Hough Transform. <i>Circuits, Systems, and Signal Processing</i> , 2017, 36, 1569-1585.	2.0	3
45	Gaze control system for tracking Quasi-1D high-speed moving object in complex background. <i>Systems Science and Control Engineering</i> , 2022, 10, 367-376.	3.1	3
46	Displacement field determination using an iterative optical flow strategy. <i>Measurement Science and Technology</i> , 2018, 29, 075402.	2.6	2
47	Novel multi-convolutional neural network fusion approach for smile recognition. <i>Multimedia Tools and Applications</i> , 2019, 78, 15887-15907.	3.9	2
48	Quasi-Periodic Phase Coding for Long-Depth-Range 3-D Measurements of Moving Objects. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-11.	4.7	2
49	Field-of-View-Enlarged Single-Camera 3-D Shape Reconstruction. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-12.	4.7	2
50	Defect Detection and Degradation Analysis in Photovoltaic Modules using Thermography, Spectroscopy, and Current-Voltage Measurements, and Quantitative Assessment of Their Impact. <i>Energy Technology</i> , 2020, 8, 2000100.	3.8	1
51	Active vibration control of a forklift's steering wheel system by the receptance method. , 2014, , .		0
52	Thermophysical properties of pentaerythritol/nano-SiO <sub>2</sub> composites for thermal storage. , 2014, , .		0
53	Monitoring of the unsteady water vapor condensation in a high speed flow using tunable diode laser absorption spectroscopy. , 2018, , .		0