

# Yi Jin

## List of Publications by Year in descending order

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53  
papers

1,365  
citations

394421

19  
h-index

345221

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g-index

54  
all docs

54  
docs citations

54  
times ranked

1198  
citing authors

#	ARTICLE	IF	CITATIONS
1	Semisupervised Semantic Segmentation by Improving Prediction Confidence. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4991-5003.	11.3	14
2	Multiframe-to-Multiframe Network for Video Denoising. IEEE Transactions on Multimedia, 2022, 24, 2164-2178.	7.2	16
3	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
4	Quasi-Periodic Phase Coding for Long-Depth-Range 3-D Measurements of Moving Objects. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	2
5	Field-of-View-Enlarged Single-Camera 3-D Shape Reconstruction. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	2
6	Intensity diffusion: a concealed cause of fringe distortion in fringe projection profilometry. Photonics Research, 2022, 10, 1210.	7.0	6
7	Failures of Photovoltaic modules and their Detection: A Review. Applied Energy, 2022, 313, 118822.	10.1	28
8	Gaze control system for tracking Quasi-1D high-speed moving object in complex background. Systems Science and Control Engineering, 2022, 10, 367-376.	3.1	3
9	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
10	HFMNet: Hierarchical Feature Mining Network for Low-Light Image Enhancement. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	4.7	10
11	DOF: A Demand-Oriented Framework for Image Denoising. IEEE Transactions on Industrial Informatics, 2021, 17, 5369-5379.	11.3	10
12	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
13	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
14	A novel multi-adversarial cross-domain neural network for bearing fault diagnosis. Measurement Science and Technology, 2021, 32, 055102.	2.6	21
15	Spatial resolution in photoacoustic computed tomography. Reports on Progress in Physics, 2021, 84, 036701.	20.1	25
16	Shading-based absolute phase unwrapping. Optics Letters, 2021, 46, 1955.	3.3	10
17	Automatic 3-D Measurement Method for Nonuniform Moving Objects. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	8
18	Facial expression recognition with convolutional neural networks via a new face cropping and rotation strategy. Visual Computer, 2020, 36, 391-404.	3.5	102

#	ARTICLE	IF	CITATIONS
19	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
20	An Adaptive Anti-Noise Neural Network for Bearing Fault Diagnosis Under Noise and Varying Load Conditions. IEEE Access, 2020, 8, 74793-74807.	4.2	44
21	Defect Detection and Degradation Analysis in Photovoltaic Modules using Thermography, Spectroscopy, and Currentâ€“Voltage Measurements, and Quantitative Assessment of Their Impact. Energy Technology, 2020, 8, 2000100.	3.8	1
22	A multiscale dilated residual network for image denoising. Multimedia Tools and Applications, 2020, 79, 34443-34458.	3.9	8
23	Automatic detection of photovoltaic module defects in infrared images with isolated and develop-model transfer deep learning. Solar Energy, 2020, 198, 175-186.	6.1	113
24	Study of manufacturing and hotspot formation in cut cell and full cell PV modules. Solar Energy, 2020, 203, 247-259.	6.1	33
25	Photovoltaic cell defect classification using convolutional neural network and support vector machine. IET Renewable Power Generation, 2020, 14, 2693-2702.	3.1	25
26	Support vector machine based prediction of photovoltaic module and power station parameters. International Journal of Green Energy, 2020, 17, 219-232.	3.8	7
27	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
28	Discriminative repair approach to remove shadow-induced error for typical digital fringe projection. Optics Express, 2020, 28, 26076.	3.4	5
29	CNN based automatic detection of photovoltaic cell defects in electroluminescence images. Energy, 2019, 189, 116319.	8.8	145
30	Improved outdoor thermography and processing of infrared images for defect detection in PV modules. Solar Energy, 2019, 190, 549-560.	6.1	47
31	Deep features based on a DCNN model for classifying imbalanced weld flaw types. Measurement: Journal of the International Measurement Confederation, 2019, 131, 482-489.	5.0	84
32	Novel multi-convolutional neural network fusion approach for smile recognition. Multimedia Tools and Applications, 2019, 78, 15887-15907.	3.9	2
33	Thermo-mechanical behavior assessment of smart wire connected and busbarPV modules during production, transportation, and subsequent field loading stages. Energy, 2019, 168, 931-945.	8.8	33
34	Phase-shifting profilometry for the robust 3-D shape measurement of moving objects. Optics Express, 2019, 27, 22100.	3.4	20
35	Numerical simulations to improve the performance of tunable diode laser absorption tomography in a harsh combustion environment. Spectroscopy Letters, 2018, 51, 7-16.	1.0	4
36	Application of bio-inspired algorithms in maximum power point tracking for PV systems under partial shading conditions â€“ A review. Renewable and Sustainable Energy Reviews, 2018, 81, 840-873.	16.4	122

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37	Monitoring of the unsteady water vapor condensation in a high speed flow using tunable diode laser absorption spectroscopy. , 2018, , .		0
38	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
39	Predicting tool wear with multi-sensor data using deep belief networks. International Journal of Advanced Manufacturing Technology, 2018, 99, 1917-1926.	3.0	95
40	Displacement field determination using an iterative optical flow strategy. Measurement Science and Technology, 2018, 29, 075402.	2.6	2
41	Performance Analysis and Discussion on the Thermoelectric Element Footprint for PV&acirc;TE Maximum Power Generation. Journal of Electronic Materials, 2018, 47, 5344-5351.	2.2	28
42	Technique for two-dimensional displacement field determination using a reliability-guided spatial-gradient-based digital image correlation algorithm. Applied Optics, 2018, 57, 2780.	1.8	6
43	Research and current status of the solar photovoltaic water pumping system &acirc; A review. Renewable and Sustainable Energy Reviews, 2017, 79, 440-458.	16.4	102
44	Phase-contrast imaging for body composition measurement. Physica Medica, 2017, 43, 25-33.	0.7	3
45	Discussion on the solar concentrating thermoelectric generation using micro-channel heat pipe array. Heat and Mass Transfer, 2017, 53, 3249-3256.	2.1	25
46	Sparse Component Analysis Based on Hierarchical Hough Transform. Circuits, Systems, and Signal Processing, 2017, 36, 1569-1585.	2.0	3
47	Optimizing on thermoelectric elements footprint of the photovoltaic-thermoelectric for maximum power generation. Energy Procedia, 2017, 142, 730-735.	1.8	9
48	A Method for Recognizing Fatigue Driving Based on Dempster-Shafer Theory and Fuzzy Neural Network. Mathematical Problems in Engineering, 2017, 2017, 1-10.	1.1	22
49	Optical Simulation and Experimental Verification of a Fresnel Solar Concentrator with a New Hybrid Second Optical Element. International Journal of Photoenergy, 2016, 2016, 1-8.	2.5	6
50	A Novel Maximum Power Point Tracking Algorithm Based on Glowworm Swarm Optimization for Photovoltaic Systems. International Journal of Photoenergy, 2016, 2016, 1-9.	2.5	26
51	Output-only modal identification based on hierarchical Hough transform. Journal of Mechanical Science and Technology, 2016, 30, 2941-2951.	1.5	4
52	Active vibration control of a forklift's steering wheel system by the receptance method. , 2014, , .		0
53	Thermophysical properties of pentaerythritol/nano-SiB&lt;inf&gt;6&lt;/inf&gt; composites for thermal storage. , 2014, , .		0