

# Yonghang Tai

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37  
papers

375  
citations

10  
h-index

18  
g-index

38  
ext. papers

608  
ext. citations

3.8  
avg, IF

4.15  
L-index

#	Paper	IF	Citations
37	Comparative studies on thermal performance of water-in-glass evacuated tube solar water heaters with different collector tilt-angles. <i>Solar Energy</i> , <b>2011</b> , 85, 1381-1389	6.8	111
36	Hourly forecasting of solar irradiance based on CEEMDAN and multi-strategy CNN-LSTM neural networks. <i>Renewable Energy</i> , <b>2020</b> , 162, 1665-1683	8.1	57
35	Hybrid deep neural model for hourly solar irradiance forecasting. <i>Renewable Energy</i> , <b>2021</b> , 171, 1041-1060	6.1	23
34	Forecasting Hourly Solar Irradiance Using Hybrid Wavelet Transformation and Elman Model in Smart Grid. <i>IEEE Access</i> , <b>2019</b> , 7, 139909-139923	3.5	22
33	Trustworthy and Intelligent COVID-19 Diagnostic IoMT through XR and Deep Learning-based Clinic Data Access. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	18
32	Predicting day-ahead solar irradiance through gated recurrent unit using weather forecasting data. <i>Journal of Renewable and Sustainable Energy</i> , <b>2019</b> , 11, 043705	2.5	17
31	Cyber Resilience in Healthcare Digital Twin on Lung Cancer. <i>IEEE Access</i> , <b>2020</b> , 8, 201900-201913	3.5	15
30	A Comparison of Hour-Ahead Solar Irradiance Forecasting Models Based on LSTM Network. <i>Mathematical Problems in Engineering</i> , <b>2020</b> , 2020, 1-15	1.1	13
29	Towards Virtual VATS, Face, and Construct Evaluation for Peg Transfer Training of Box, VR, AR, and MR Trainer. <i>Journal of Healthcare Engineering</i> , <b>2019</b> , 2019, 6813719	3.7	12
28	Thermal stratification in a solar hot water storage tank with mantle heat exchanger. <i>Renewable Energy</i> , <b>2021</b> , 173, 1-11	8.1	11
27	Predicting the Impact of Android Malicious Samples via Machine Learning. <i>IEEE Access</i> , <b>2019</b> , 7, 66304-66316	3.5	9
26	Software Vulnerability Analysis and Discovery Using Deep Learning Techniques: A Survey. <i>IEEE Access</i> , <b>2020</b> , 8, 197158-197172	3.5	9
25	Experiment and simulation study on convective heat transfer of all-glass evacuated tube solar collector. <i>Renewable Energy</i> , <b>2020</b> , 152, 1129-1139	8.1	8
24	Secure medical digital twin via human-centric interaction and cyber vulnerability resilience. <i>Connection Science</i> , <b>2022</b> , 34, 895-910	2.8	8
23	. <i>IEEE Access</i> , <b>2018</b> , 6, 69438-69452	3.5	6
22	Intelligent Intraoperative Haptic-AR Navigation for COVID-19 Lung Biopsy Using Deep Hybrid Model. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 6519-6527	11.9	5
21	Augmented-reality-driven medical simulation platform for percutaneous nephrolithotomy with cybersecurity awareness. <i>International Journal of Distributed Sensor Networks</i> , <b>2019</b> , 15, 155014771984017	1.7	4

20	Augmented reality in neurosurgical navigation: a survey. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , <b>2020</b> , 16, e2160	2.9	4
19	Neural Model Stealing Attack to Smart Mobile Device on Intelligent Medical Platform. <i>Wireless Communications and Mobile Computing</i> , <b>2020</b> , 2020, 1-10	1.9	3
18	Real-Time Needle Force Modeling for VR-Based Renal Biopsy Training with Respiratory Motion Using Direct Clinical Data. <i>Applied Bionics and Biomechanics</i> , <b>2019</b> , 2019, 9756842	1.6	2
17	A novel framework for visuo-haptic percutaneous therapy simulation based on patient-specific clinical trials <b>2017</b> ,		2
16	A Deep Learning-Based Model for Tactile Understanding on Haptic Data Percutaneous Needle Treatment. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 317-325	0.9	2
15	A Haptics Feedback Based-LSTM Predictive Model for Pericardiocentesis Therapy Using Public Intraoperative Data. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 810-818	0.9	2
14	Development and assessment of a haptic-enabled holographic surgical simulator for renal biopsy training. <i>Soft Computing</i> , <b>2020</b> , 24, 5783-5794	3.5	2
13	Augmented reality-based visual-haptic modeling for thoracoscopic surgery training systems. <i>Virtual Reality &amp; Intelligent Hardware</i> , <b>2021</b> , 3, 274-286	2.8	2
12	Visual comfort evaluated by hue asymmetries in stereoscopic images. <i>Journal of the Society for Information Display</i> , <b>2020</b> , 28, 843-853	2.1	1
11	Changes in Binocular Color Fusion Limit Caused by Different Disparities. <i>IEEE Access</i> , <b>2019</b> , 7, 70088-70101	1.5	1
10	Deep Neural Embedding for Software Vulnerability Discovery: Comparison and Optimization. <i>Security and Communication Networks</i> , <b>2022</b> , 2022, 1-12	1.9	1
9	Machine Learning-Based Stealing Attack of the Temperature Monitoring System for the Energy Internet of Things. <i>Security and Communication Networks</i> , <b>2021</b> , 2021, 1-8	1.9	1
8	Automatically Addressing System for Ultrasound-Guided Renal Biopsy Training Based on Augmented Reality. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2021</b> , 25, 1495-1507	7.2	1
7	Deep neural-based vulnerability discovery demystified: data, model and performance. <i>Neural Computing and Applications</i> , <b>2021</b> , 33, 13287	4.8	1
6	Trustworthy Image Fusion with Deep Learning for Wireless Applications. <i>Wireless Communications and Mobile Computing</i> , <b>2021</b> , 2021, 1-9	1.9	1
5	Tissue and force modelling on multi-layered needle puncture for percutaneous surgery training <b>2016</b> ,		1
4	Machine learning-based haptic-enabled surgical navigation with security awareness. <i>Concurrency Computation Practice and Experience</i> , <b>2019</b> , 31, e4908	1.4	
3	Detection of binocular chromatic fusion limit for opposite colors. <i>Optics Express</i> , <b>2021</b> , 29, 35022-35037	3.3	

- 2 The Efficiency of Vulnerability Detection Based on Deep Learning. *Advances in Intelligent Systems and Computing*, **2021**, 449-455 0.4
- 1 Thermocline dynamics in a thermally stratified water tank under different operation modes. *Applied Thermal Engineering*, **2022**, 212, 118560 5.8