Yonghang Tai

List of Publications by Year
in descending order

38 papers	**899** citations	623188 **14** h-index	476904 **29** g-index
38 all docs	**38** docs citations	**38** times ranked	**613** citing authors

#	ARTICLE	IF	CITATIONS
1	Hourly forecasting of solar irradiance based on CEEMDAN and multi-strategy CNN-LSTM neural networks. Renewable Energy, 2020, 162, 1665-1683.	4.3	200
2	Comparative studies on thermal performance of water-in-glass evacuated tube solar water heaters with different collector tilt-angles. Solar Energy, 2011, 85, 1381-1389.	2.9	138
3	Hybrid deep neural model for hourly solar irradiance forecasting. Renewable Energy, 2021, 171, 1041-1060.	4.3	82
4	Cyber Resilience in Healthcare Digital Twin on Lung Cancer. IEEE Access, 2020, 8, 201900-201913.	2.6	55
5	Trustworthy and Intelligent COVID-19 Diagnostic IoMT Through XR and Deep-Learning-Based Clinic Data Access. IEEE Internet of Things Journal, 2021, 8, 15965-15976.	5.5	48
6	Forecasting Hourly Solar Irradiance Using Hybrid Wavelet Transformation and Elman Model in Smart Grid. IEEE Access, 2019, 7, 139909-139923.	2.6	44
7	Predicting day-ahead solar irradiance through gated recurrent unit using weather forecasting data. Journal of Renewable and Sustainable Energy, 2019, 11, .	0.8	36
8	Software Vulnerability Analysis and Discovery Using Deep Learning Techniques: A Survey. IEEE Access, 2020, 8, 197158-197172.	2.6	32
9	Experiment and simulation study on convective heat transfer of all-glass evacuated tube solar collector. Renewable Energy, 2020, 152, 1129-1139.	4.3	26
10	Thermal stratification in a solar hot water storage tank with mantle heat exchanger. Renewable Energy, 2021, 173, 1-11.	4.3	24
11	A Comparison of Hour-Ahead Solar Irradiance Forecasting Models Based on LSTM Network. Mathematical Problems in Engineering, 2020, 2020, 1-15.	0.6	21
12	Towards Virtual VATS, Face, and Construct Evaluation for Peg Transfer Training of Box, VR, AR, and MR Trainer. Journal of Healthcare Engineering, 2019, 2019, 1-10.	1.1	19
13	Secure medical digital twin via human-centric interaction and cyber vulnerability resilience. Connection Science, 2022, 34, 895-910.	1.8	18
14	Augmented reality in neurosurgical navigation: A survey. International Journal of Medical Robotics and Computer Assisted Surgery, 2020, 16, 1-20.	1.2	17
15	Predicting the Impact of Android Malicious Samples via Machine Learning. IEEE Access, 2019, 7, 66304-66316.	2.6	16
16	A High-Immersive Medical Training Platform Using Direct Intraoperative Data. IEEE Access, 2018, 6, 69438-69452.	2.6	13
17	Deep Neural Embedding for Software Vulnerability Discovery: Comparison and Optimization. Security and Communication Networks, 2022, 2022, 1-12.	1.0	13
18	Deep neural-based vulnerability discovery demystified: data, model and performance. Neural Computing and Applications, 2021, 33, 13287-13300.	3.2	12

#	ARTICLE	IF	CITATIONS
19	Intelligent Intraoperative Haptic-AR Navigation for COVID-19 Lung Biopsy Using Deep Hybrid Model. IEEE Transactions on Industrial Informatics, 2021, 17, 6519-6527.	7.2	11
20	Augmented reality-based visual-haptic modeling for thoracoscopic surgery training systems. Virtual Reality & Intelligent Hardware, 2021, 3, 274-286.	1.8	10
21	Augmented-reality-driven medical simulation platform for percutaneous nephrolithotomy with cybersecurity awareness. International Journal of Distributed Sensor Networks, 2019, 15, 155014771984017.	1.3	9
22	Changes in Binocular Color Fusion Limit Caused by Different Disparities. IEEE Access, 2019, 7, 70088-70101.	2.6	5
23	Development and assessment of a haptic-enabled holographic surgical simulator for renal biopsy training. Soft Computing, 2020, 24, 5783-5794.	2.1	5
24	Automatically Addressing System for Ultrasound-Guided Renal Biopsy Training Based on Augmented Reality. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1495-1507.	3.9	5
25	A Haptics Feedback Based-LSTM Predictive Model for Pericardiocentesis Therapy Using Public Introperative Data. Lecture Notes in Computer Science, 2017, , 810-818.	1.0	5
26	Thermocline dynamics in a thermally stratified water tank under different operation modes. Applied Thermal Engineering, 2022, 212, 118560.	3.0	5
27	A novel framework for visuo-haptic percutaneous therapy simulation based on patient-specific clinical trials. , 2017, , .		4
28	Real-Time Needle Force Modeling for VR-Based Renal Biopsy Training with Respiratory Motion Using Direct Clinical Data. Applied Bionics and Biomechanics, 2019, 2019, 1-14.	0.5	4
29	Neural Model Stealing Attack to Smart Mobile Device on Intelligent Medical Platform. Wireless Communications and Mobile Computing, 2020, 2020, 1-10.	0.8	4
30	A Deep Learning-Based Model for Tactile Understanding on Haptic Data Percutaneous Needle Treatment. Lecture Notes in Computer Science, 2017, , 317-325.	1.0	4
31	Detection of binocular chromatic fusion limit for opposite colors. Optics Express, 2021, 29, 35022.	1.7	3
32	Tissue and force modelling on multi-layered needle puncture for percutaneous surgery training. , 2016, , .		2
33	Visual comfort evaluated by hue asymmetries in stereoscopic images. Journal of the Society for Information Display, 2020, 28, 843-853.	0.8	2
34	Investigation of electromagnetic field transmission characteristics of rectangular waveguides. , 2021, , .		2
35	Machine Learning-Based Stealing Attack of the Temperature Monitoring System for the Energy Internet of Things. Security and Communication Networks, 2021, 2021, 1-8.	1.0	2
36	Trustworthy Image Fusion with Deep Learning for Wireless Applications. Wireless Communications and Mobile Computing, 2021, 2021, 1-9.	0.8	2

#	Article	IF	Citations
37	Machine learning–based haptic–enabled surgical navigation with security awareness. Concurrency Computation Practice and Experience, 2019, 31, e4908.	1.4	1
38	The Efficiency of Vulnerability Detection Based on Deep Learning. Advances in Intelligent Systems and Computing, 2021, , 449-455.	0.5	0