Zhiliang Wang

List of Publications by Year
in descending order

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63	589	623734	752698
papers	citations	14 h-index	20 g-index

63	63	63	414
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Effective Deep Neural Network for Lung Lesions Segmentation From COVID-19 CT Images. IEEE Transactions on Industrial Informatics, 2021, 17, 6528-6538.	11.3	54
2	A Risk Prediction Model for Type 2 Diabetes Based on Weighted Feature Selection of Random Forest and XGBoost Ensemble Classifier. , 2019, , .		46
3	Detecting stealthy attacks against industrial control systems based on residual skewness analysis. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	31
4	Retinal Vessel Segmentation Combined With Generative Adversarial Networks and Dense U-Net. IEEE Access, 2020, 8, 194551-194560.	4.2	29
5	Generative Consistency for Semi-Supervised Cerebrovascular Segmentation From TOF-MRA. IEEE Transactions on Medical Imaging, 2023, 42, 346-353.	8.9	26
6	Pathological lung segmentation in chest CT images based on improved random walker. Computer Methods and Programs in Biomedicine, 2021, 200, 105864.	4.7	24
7	Probability Density Forecasting of Wind Speed Based on Quantile Regression and Kernel Density Estimation. Energies, 2020, 13, 6125.	3.1	22
8	Detecting stealthy attacks on industrial control systems using a permutation entropy-based method. Future Generation Computer Systems, 2020, 108, 1230-1240.	7.5	21
9	Compliance Control Using Hydraulic Heavy-Duty Manipulator. IEEE Transactions on Industrial Informatics, 2019, 15, 1193-1201.	11.3	19
10	Hierarchical support vector machine for facial micro-expression recognition. Multimedia Tools and Applications, 2020, 79, 31451-31465.	3.9	17
11	Cerebrovascular segmentation from TOF-MRA based on multiple-U-net with focal loss function. Computer Methods and Programs in Biomedicine, 2021, 202, 105998.	4.7	17
12	CSR-Net: Cross-Scale Residual Network for multi-objective scaphoid fracture segmentation. Computers in Biology and Medicine, 2021, 137, 104776.	7.0	17
13	A Hierarchical Framework for Facial Age Estimation. Mathematical Problems in Engineering, 2014, 2014, 1-8.	1.1	15
14	A Novel Two-Layered Reinforcement Learning for Task Offloading with Tradeoff between Physical Machine Utilization Rate and Delay. Future Internet, 2018, 10, 60.	3.8	15
15	Two-Loop Covert Attacks Against Constant Value Control of Industrial Control Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 663-676.	11.3	15
16	A Novel Multi-Camera Global Calibration Method for Gaze Tracking System. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 2093-2104.	4.7	14
17	Iris Feature-Based 3-D Gaze Estimation Method Using a One-Camera-One-Light-Source System. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4940-4954.	4.7	14
18	A novel method to model hepatic vascular network using vessel segmentation, thinning, and completion. Medical and Biological Engineering and Computing, 2020, 58, 709-724.	2.8	14

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19	A Transductive Model-based Stress Recognition Method Using Peripheral Physiological Signals. Sensors, 2019, 19, 429.	3.8	11
20	3D Model-Based Gaze Tracking Via Iris Features With a Single Camera and a Single Light Source. IEEE Transactions on Human-Machine Systems, 2021, 51, 75-86.	3.5	11
21	Review of Visual Saliency Prediction: Development Process from Neurobiological Basis to Deep Models. Applied Sciences (Switzerland), 2022, 12, 309.	2.5	11
22	Humanoid Robot Head Design Based on Uncanny Valley and FACS. Journal of Robotics, 2014, 2014, 1-5.	0.9	9
23	An Enhanced Multi-Stage Semantic Attack Against Industrial Control Systems. IEEE Access, 2019, 7, 156871-156882.	4.2	8
24	DW-UNet: Loss Balance under Local-Patch for 3D Infection Segmentation from COVID-19 CT Images. Diagnostics, 2021, 11, 1942.	2.6	8
25	Cerebrovascular segmentation in phase-contrast magnetic resonance angiography by multi-feature fusion and vessel completion. Computerized Medical Imaging and Graphics, 2022, 98, 102070.	5.8	8
26	Gait Recognition Considering Directions of Walking. , 2006, , .		7
27	Emotional state transfer model based on FSM. , 2014, , .		7
28	Graph-Based Semi-Supervised Learning for Activity Labeling in Health Smart Home. IEEE Access, 2020, 8, 193655-193664.	4.2	7
29	Automatic Recognition of Auditory Brainstem Response Characteristic Waveform Based on Bidirectional Long Short-Term Memory. Frontiers in Medicine, 2020, 7, 613708.	2.6	7
30	A Novel Covert Agent for Stealthy Attacks on Industrial Control Systems Using Least Squares Support Vector Regression. Journal of Electrical and Computer Engineering, 2018, 2018, 1-14.	0.9	6
31	Assisted therapeutic system based on reinforcement learning for children with autism. Computer Assisted Surgery, 2019, 24, 94-104.	1.3	6
32	Multistep Deep System for Multimodal Emotion Detection With Invalid Data in the Internet of Things. IEEE Access, 2020, 8, 187208-187221.	4.2	6
33	A Target Tracking Algorithm Using Grey Model Predicting Kalman Filter in Wireless Sensor Networks. , 2017, , .		5
34	Genetic algorithmâ€“optimized support vector machine for real-time activity recognition in health smart home. International Journal of Distributed Sensor Networks, 2020, 16, 155014772097151.	2.2	5
35	The algorithm for nonnegative blind source separation using edge feature. Signal, Image and Video Processing, 2022, 16, 897-904.	2.7	5
36	False Logic Attacks on SCADA Control System. , 2014, , .		4

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37	Cognitive-affective regulation process for micro-expressions based on Gaussian cloud distribution. CAAI Transactions on Intelligence Technology, 2017, 2, 56-61.	8.1	4
38	Emotional Contagion System By Perceiving Human Emotion Based on Physiological Signals. , 2018, , .		4
39	Improved Deep Belief Networks (IDBN) Dynamic Model-Based Detection and Mitigation for Targeted Attacks on Heavy-Duty Robots. Applied Sciences (Switzerland), 2018, 8, 676.	2.5	4
40	Data Logic Attack on Heavy-Duty Industrial Manipulators. IEEE Access, 2020, 8, 17419-17433.	4.2	4
41	Indoor Scene Recognition Based on the Weighting Spatial Information Fusion. , 2012, , .		3
42	Microâ€expression recognition by twoâ€stream difference network. IET Computer Vision, 2021, 15, 440-448.	2.0	3
43	A Neural Regression Model for Predicting Thermal Conductivity of CNT Nanofluids with Multiple Base Fluids. Journal of Thermal Science, 2021, 30, 1908-1916.	1.9	3
44	Cascade Parallel Random Forest Algorithm for Predicting Rice Diseases in Big Data Analysis. Electronics (Switzerland), 2022, 11, 1079.	3.1	3
45	Emotion model of interactive virtual humans on the basis of MDP. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2007, 2, 156-160.	0.6	2
46	Affective Computing of Childern with Authism Based on Feature Transfer. , 2018, , .		2
47	TMSF-Net: Multi-series fusion network with treeconnect for colorectal tumor segmentation. Computer Methods and Programs in Biomedicine, 2022, 215, 106613.	4.7	2
48	Real-Time 3D Pedestrian Tracking with Monocular Camera. Wireless Communications and Mobile Computing, 2022, 2022, 1-18.	1.2	2
49	Complex Embedding with Type Constraints for Link Prediction. Entropy, 2022, 24, 330.	2.2	2
50	A Saliency Prediction Model Based on Re-Parameterization and Channel Attention Mechanism. Electronics (Switzerland), 2022, 11, 1180.	3.1	2
51	Research on Emotion Recognition for Online Learning in a Novel Computing Model. Applied Sciences (Switzerland), 2022, 12, 4236.	2.5	2
52	Grouping delegation task allocation model for multi-robot collaboration system. , 2011, , .		1
53	Juvenile detection by LBP and SVM. , 2012, , .		1
54	Indoor Scene Classification Based on the Bag-of-Words Model of Local Feature Information Gain. IEICE Transactions on Information and Systems, 2013, E96.D, 984-987.	0.7	1

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55	Connecting Framework of Smart Devices Based on Linux Container Technology. , 2016, , .		1
56	An RTT-Aware Virtual Machine Placement Method. Information (Switzerland), 2018, 9, 4.	2.9	1
57	A Lightweight Two-End Feature Fusion Network for Object 6D Pose Estimation. Machines, 2022, 10, 254.	2.2	1
58	VeE: Design and implementation of a generic virtual environment engine. , 2008, , .		0
59	Research and designed of a structured scalable robot control system based on real-time bus. , 2012, , .		0
60	Detection of Gaze States: Fixation or Motion. , 2012, , .		0
61	Study on the classification problem of the coping stances in the Satir model based on machine learning. Journal of Experimental and Theoretical Artificial Intelligence, 0, , 1-21.	2.8	0
62	Dark-Point Component Analysis: Nonnegative Blind Source Separation Based on Jaccard Index. Circuits, Systems, and Signal Processing, 0, , 1.	2.0	0
63	Stable Gaze Tracking with Filtering Based on Internet of Things. Sensors, 2022, 22, 3131.	3.8	0