Zhiliang Wang

List of Publications by Year
in descending order

63 papers	589 citations	623734 14 h-index	752698 20 g-index
63 all docs	63 docs citations	63 times ranked	414 citing authors

#	Article	IF	Citations
1	Generative Consistency for Semi-Supervised Cerebrovascular Segmentation From TOF-MRA. IEEE Transactions on Medical Imaging, 2023, 42, 346-353.	8.9	26
2	The algorithm for nonnegative blind source separation using edge feature. Signal, Image and Video Processing, 2022, 16, 897-904.	2.7	5
3	TMSF-Net: Multi-series fusion network with treeconnect for colorectal tumor segmentation. Computer Methods and Programs in Biomedicine, 2022, 215, 106613.	4.7	2
4	Real-Time 3D Pedestrian Tracking with Monocular Camera. Wireless Communications and Mobile Computing, 2022, 2022, 1-18.	1.2	2
5	Complex Embedding with Type Constraints for Link Prediction. Entropy, 2022, 24, 330.	2.2	2
6	Cascade Parallel Random Forest Algorithm for Predicting Rice Diseases in Big Data Analysis. Electronics (Switzerland), 2022, 11, 1079.	3.1	3
7	A Lightweight Two-End Feature Fusion Network for Object 6D Pose Estimation. Machines, 2022, 10, 254.	2.2	1
8	A Saliency Prediction Model Based on Re-Parameterization and Channel Attention Mechanism. Electronics (Switzerland), 2022, 11, 1180.	3.1	2
9	Review of Visual Saliency Prediction: Development Process from Neurobiological Basis to Deep Models. Applied Sciences (Switzerland), 2022, 12, 309.	2.5	11
10	Stable Gaze Tracking with Filtering Based on Internet of Things. Sensors, 2022, 22, 3131.	3.8	0
11	Research on Emotion Recognition for Online Learning in a Novel Computing Model. Applied Sciences (Switzerland), 2022, 12, 4236.	2.5	2
12	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
13	Pathological lung segmentation in chest CT images based on improved random walker. Computer Methods and Programs in Biomedicine, 2021, 200, 105864.	4.7	24
14	Micro‐expression recognition by two‐stream difference network. IET Computer Vision, 2021, 15, 440-448.	2.0	3
15	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
16	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
17	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
18	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

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19	CSR-Net: Cross-Scale Residual Network for multi-objective scaphoid fracture segmentation. Computers in Biology and Medicine, 2021, 137, 104776.	7.0	17
20	DW-UNet: Loss Balance under Local-Patch for 3D Infection Segmentation from COVID-19 CT Images. Diagnostics, 2021, 11, 1942.	2.6	8
21	Detecting stealthy attacks on industrial control systems using a permutation entropy-based method. Future Generation Computer Systems, 2020, 108, 1230-1240.	7.5	21
22	A Novel Multi-Camera Global Calibration Method for Gaze Tracking System. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 2093-2104.	4.7	14
23	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
24	Probability Density Forecasting of Wind Speed Based on Quantile Regression and Kernel Density Estimation. Energies, 2020, 13, 6125.	3.1	22
25	Multistep Deep System for Multimodal Emotion Detection With Invalid Data in the Internet of Things. IEEE Access, 2020, 8, 187208-187221.	4.2	6
26	Hierarchical support vector machine for facial micro-expression recognition. Multimedia Tools and Applications, 2020, 79, 31451-31465.	3.9	17
27	Graph-Based Semi-Supervised Learning for Activity Labeling in Health Smart Home. IEEE Access, 2020, 8, 193655-193664.	4.2	7
28	Retinal Vessel Segmentation Combined With Generative Adversarial Networks and Dense U-Net. IEEE Access, 2020, 8, 194551-194560.	4.2	29
29	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
30	Data Logic Attack on Heavy-Duty Industrial Manipulators. IEEE Access, 2020, 8, 17419-17433.	4.2	4
31	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
32	Automatic Recognition of Auditory Brainstem Response Characteristic Waveform Based on Bidirectional Long Short-Term Memory. Frontiers in Medicine, 2020, 7, 613708.	2.6	7
33	Assisted therapeutic system based on reinforcement learning for children with autism. Computer Assisted Surgery, 2019, 24, 94-104.	1.3	6
34	A Risk Prediction Model for Type 2 Diabetes Based on Weighted Feature Selection of Random Forest and XGBoost Ensemble Classifier. , 2019, , .		46
35	A Transductive Model-based Stress Recognition Method Using Peripheral Physiological Signals. Sensors, 2019, 19, 429.	3.8	11
36	Detecting stealthy attacks against industrial control systems based on residual skewness analysis. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	31

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37	An Enhanced Multi-Stage Semantic Attack Against Industrial Control Systems. IEEE Access, 2019, 7, 156871-156882.	4.2	8
38	Compliance Control Using Hydraulic Heavy-Duty Manipulator. IEEE Transactions on Industrial Informatics, 2019, 15, 1193-1201.	11.3	19
39	Two-Loop Covert Attacks Against Constant Value Control of Industrial Control Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 663-676.	11.3	15
40	Affective Computing of Childern with Authism Based on Feature Transfer. , 2018, , .		2
41	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
42	Emotional Contagion System By Perceiving Human Emotion Based on Physiological Signals. , 2018, , .		4
43	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
44	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
45	An RTT-Aware Virtual Machine Placement Method. Information (Switzerland), 2018, 9, 4.	2.9	1
46	Cognitive-affective regulation process for micro-expressions based on Gaussian cloud distribution. CAAI Transactions on Intelligence Technology, 2017, 2, 56-61.	8.1	4
47	A Target Tracking Algorithm Using Grey Model Predicting Kalman Filter in Wireless Sensor Networks. , 2017, , .		5
48	Connecting Framework of Smart Devices Based on Linux Container Technology. , 2016, , .		1
49	Humanoid Robot Head Design Based on Uncanny Valley and FACS. Journal of Robotics, 2014, 2014, 1-5.	0.9	9
50	Emotional state transfer model based on FSM. , 2014, , .		7
51	A Hierarchical Framework for Facial Age Estimation. Mathematical Problems in Engineering, 2014, 2014, 1-8.	1.1	15
52	False Logic Attacks on SCADA Control System. , 2014, , .		4
53	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
54	Indoor Scene Recognition Based on the Weighting Spatial Information Fusion. , 2012, , .		3

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55	Research and designed of a structured scalable robot control system based on real-time bus. , 2012, , .		0
56	Detection of Gaze States: Fixation or Motion. , 2012, , .		0
57	Juvenile detection by LBP and SVM. , 2012, , .		1
58	Grouping delegation task allocation model for multi-robot collaboration system. , 2011, , .		1
59	VeE: Design and implementation of a generic virtual environment engine. , 2008, , .		0
60	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
61	Gait Recognition Considering Directions of Walking. , 2006, , .		7
62	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
63	Dark-Point Component Analysis: Nonnegative Blind Source Separation Based on Jaccard Index. Circuits, Systems, and Signal Processing, 0, , 1.	2.0	0