Zhenxue Chen

List of Publications by Year
in descending order

55 papers	728 citations	687220 13 h-index	580701 25 g-index
55 all docs	55 docs citations	55 times ranked	643 citing authors

#	Article	IF	Citations
1	RPNet: Gait Recognition With Relationships Between Each Body-Parts. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2990-3000.	5.6	17
2	Improved edge-guided network for single image super-resolution. Multimedia Tools and Applications, 2022, 81, 343-365.	2.6	9
3	FRNet: Factorized and Regular Blocks Network for Semantic Segmentation in Road Scene. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3522-3530.	4.7	13
4	Identifying the Strength Level of Objects' Tactile Attributes Using a Multi-Scale Convolutional Neural Network. Sensors, 2022, 22, 1908.	2.1	0
5	Object Description Using Visual and Tactile Data. IEEE Access, 2022, 10, 54525-54536.	2.6	2
6	Simple low-light image enhancement based on Weber–Fechner law in logarithmic space. Signal Processing: Image Communication, 2022, 106, 116742.	1.8	41
7	Multi-Scale Gradients Self-Attention Residual Learning for Face Photo-Sketch Transformation. IEEE Transactions on Information Forensics and Security, 2021, 16, 1218-1230.	4.5	18
8	AMPNet: Average- and Max-Pool Networks for Salient Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4321-4333.	5.6	27
9	3MNet: Multi-task, multi-level and multi-channel feature aggregation network for salient object detection. Machine Vision and Applications, 2021, 32, 45.	1.7	7
10	Weak-Light Image Enhancement Method Based on Adaptive Local Gamma Transform and Color Compensation. Journal of Sensors, 2021, 2021, 1-18.	0.6	11
11	FSFN: feature separation and fusion network for single image super-resolution. Multimedia Tools and Applications, 2021, 80, 31599.	2.6	2
12	Match of the Bimaxillary Basal Bone Arches and Its Variations among Individuals. Scanning, 2021, 2021, 1-14.	0.7	1
13	3D Parallel Fully Convolutional Networks for Real-Time Video Wildfire Smoke Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 89-103.	5.6	49
14	Pedestrian detection via deep segmentation and context network. Neural Computing and Applications, 2020, 32, 5845-5857.	3.2	2
15	3D video semantic segmentation for wildfire smoke. Machine Vision and Applications, 2020, 31, 1.	1.7	8
16	Deep mutual learning network for gait recognition. Multimedia Tools and Applications, 2020, 79, 22653-22672.	2.6	7
17	Improved face super-resolution generative adversarial networks. Machine Vision and Applications, 2020, 31, 1.	1.7	19
18	Multiperspective Light Field Reconstruction Method via Transfer Reinforcement Learning. Computational Intelligence and Neuroscience, 2020, 2020, 1-14.	1.1	9

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19	Multi-AUV Collaborative Target Recognition Based on Transfer-Reinforcement Learning. IEEE Access, 2020, 8, 39273-39284.	2.6	28
20	Face hallucination with K-means++ dictionary learning. Multimedia Tools and Applications, 2020, 79, 11685-11698.	2.6	0
21	Lightened SphereFace for face recognition. Journal of Electronic Imaging, 2020, 29, .	0.5	1
22	The Force Feedback and Master-Slave Teleoperation Robot for Live Working. , 2020, , .		1
23	Fast Semantic Segmentation for Scene Perception. IEEE Transactions on Industrial Informatics, 2019, 15, 1183-1192.	7.2	93
24	Maneuvering target recognition method based on multi-perspective light field reconstruction. International Journal of Distributed Sensor Networks, 2019, 15, 155014771987065.	1.3	11
25	FCN based preprocessing for exemplar-based face sketch synthesis. Neurocomputing, 2019, 365, 113-124.	3.5	15
26	Adaptive image enhancement method for correcting low-illumination images. Information Sciences, 2019, 496, 25-41.	4.0	95
27	Real-time pedestrian detection with deep supervision in the wild. Signal, Image and Video Processing, 2019, 13, 761-769.	1.7	10
28	Multiagent Light Field Reconstruction and Maneuvering Target Recognition via GAN. Mathematical Problems in Engineering, 2019, 2019, 1-10.	0.6	0
29	Saliency object detection: integrating reconstruction and prior. Machine Vision and Applications, 2019, 30, 397-406.	1.7	6
30	Deep Saliency With Channel-Wise Hierarchical Feature Responses for Traffic Sign Detection. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2497-2509.	4.7	14
31	Sketch Face Recognition: P-HOG Multi-Features Fusion. International Journal of Pattern Recognition and Artificial Intelligence, 2019, 33, 1956003.	0.7	3
32	Two-stage local details restoration framework for face hallucination. Machine Vision and Applications, 2019, 30, 153-162.	1.7	2
33	Face recognition using AMVP and WSRC under variable illumination and pose. Neural Computing and Applications, 2019, 31, 3805-3818.	3.2	7
34	Cascade heterogeneous face sketch-photo synthesis via dual-scale Markov Network. Journal of Experimental and Theoretical Artificial Intelligence, 2018, 30, 217-233.	1.8	1
35	Face sketch-photo synthesis and recognition: Dual-scale Markov Network and multi-information fusion. Journal of Visual Communication and Image Representation, 2018, 51, 112-121.	1.7	5
36	Traffic flow detection and statistics via improved optical flow and connected region analysis. Signal, Image and Video Processing, 2018, 12, 99-105.	1.7	15

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37	Channel-Wise Feature Response Based Deep Saliency Detection. , 2018, , .		0
38	Deep saliency detection via channel-wise hierarchical feature responses. Neurocomputing, 2018, 322, 80-92.	3.5	11
39	Illumination and pose variable face recognition via adaptively weighted ULBP_MHOG and WSRC. Signal Processing: Image Communication, 2017, 58, 175-186.	1.8	5
40	Moving human detection and extraction via improved optical flow and adjacent region merger. , 2017, , .		1
41	Two-dimensional Linear discriminant analysis for low-resolution face recognition. , 2017, , .		2
42	Saliency detection: Multi-level combination approach via graph-based manifold ranking. , 2017, , .		1
43	Fast Face Sketchâ€"Photo Image Synthesis and Recognition. International Journal of Pattern Recognition and Artificial Intelligence, 2016, 30, 1656008.	0.7	7
44	Salient object detection via images frequency domain analyzing. Signal, Image and Video Processing, 2016, 10, 1295-1302.	1.7	6
45	Low-Resolution Face Recognition of Multi-Scale Blocking CS-LBP and Weighted PCA. International Journal of Pattern Recognition and Artificial Intelligence, 2016, 30, 1656005.	0.7	11
46	Fast Traffic Sign Recognition via High-Contrast Region Extraction and Extended Sparse Representation. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 79-92.	4.7	58
47	Rapid Multiclass Traffic Sign Detection in High-Resolution Images. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 2394-2403.	4.7	45
48	High performance traffic sign recognition based on sparse representation and SVM classification. , 2014, , .		6
49	CHINESE LICENSE PLATE RECOGNITION BASED ON HUMAN VISION ATTENTION MECHANISM. International Journal of Pattern Recognition and Artificial Intelligence, 2013, 27, 1350024.	0.7	4
50	PTZ camera target tracking in large complex scenes. , 2010, , .		6
51	A IHS-WT remote sensing image fusion method based on dynamic weighting of regional multi-features. , 2010, , .		0
52	Automatic facial expression recognition using local binary pattern. , 2010, , .		6
53	The hausdorff distance template matching algorithm based on kalman filter for target tracking. , 2009, , .		4
54	Single-Image Dehazing via Dark Channel Prior and Adaptive Threshold. International Journal of Image and Graphics, 0, , 2150053.	1.2	6

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55	M-PFGMNet: multi-pose feature generation mapping network for visual object tracking. Multimedia Tools and Applications, 0, , .	2.6	0