

Zhenxue Chen

List of Publications by Year in descending order

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Version: 2024-02-01

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	Adaptive image enhancement method for correcting low-illumination images. Information Sciences, 2019, 496, 25-41.	4.0	95
2	Fast Semantic Segmentation for Scene Perception. IEEE Transactions on Industrial Informatics, 2019, 15, 1183-1192.	7.2	93
3	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
4	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
5	Rapid Multiclass Traffic Sign Detection in High-Resolution Images. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 2394-2403.	4.7	45
6	Simple low-light image enhancement based on Weberâ€™s Fechner law in logarithmic space. Signal Processing: Image Communication, 2022, 106, 116742.	1.8	41
7	Multi-AUV Collaborative Target Recognition Based on Transfer-Reinforcement Learning. IEEE Access, 2020, 8, 39273-39284.	2.6	28
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	Improved face super-resolution generative adversarial networks. Machine Vision and Applications, 2020, 31, 1.	1.7	19
10	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
11	RPNNet: Gait Recognition With Relationships Between Each Body-Parts. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2990-3000.	5.6	17
12	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
13	FCN based preprocessing for exemplar-based face sketch synthesis. Neurocomputing, 2019, 365, 113-124.	3.5	15
14	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
15	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
16	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
17	Deep saliency detection via channel-wise hierarchical feature responses. Neurocomputing, 2018, 322, 80-92.	3.5	11
18	Maneuvering target recognition method based on multi-perspective light field reconstruction. International Journal of Distributed Sensor Networks, 2019, 15, 155014771987065.	1.3	11

#	ARTICLE	IF	CITATIONS
19	Weak-Light Image Enhancement Method Based on Adaptive Local Gamma Transform and Color Compensation. <i>Journal of Sensors</i> , 2021, 2021, 1-18.	0.6	11
20	Real-time pedestrian detection with deep supervision in the wild. <i>Signal, Image and Video Processing</i> , 2019, 13, 761-769.	1.7	10
21	Multiperspective Light Field Reconstruction Method via Transfer Reinforcement Learning. <i>Computational Intelligence and Neuroscience</i> , 2020, 2020, 1-14.	1.1	9
22	Improved edge-guided network for single image super-resolution. <i>Multimedia Tools and Applications</i> , 2022, 81, 343-365.	2.6	9
23	3D video semantic segmentation for wildfire smoke. <i>Machine Vision and Applications</i> , 2020, 31, 1.	1.7	8
24	Fast Face Sketchâ€“Photo Image Synthesis and Recognition. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2016, 30, 1656008.	0.7	7
25	Face recognition using AMVP and WSRC under variable illumination and pose. <i>Neural Computing and Applications</i> , 2019, 31, 3805-3818.	3.2	7
26	Deep mutual learning network for gait recognition. <i>Multimedia Tools and Applications</i> , 2020, 79, 22653-22672.	2.6	7
27	3MNet: Multi-task, multi-level and multi-channel feature aggregation network for salient object detection. <i>Machine Vision and Applications</i> , 2021, 32, 45.	1.7	7
28	PTZ camera target tracking in large complex scenes. , 2010, , .		6
29	Automatic facial expression recognition using local binary pattern. , 2010, , .		6
30	High performance traffic sign recognition based on sparse representation and SVM classification. , 2014, , .		6
31	Salient object detection via images frequency domain analyzing. <i>Signal, Image and Video Processing</i> , 2016, 10, 1295-1302.	1.7	6
32	Saliency object detection: integrating reconstruction and prior. <i>Machine Vision and Applications</i> , 2019, 30, 397-406.	1.7	6
33	Single-Image Dehazing via Dark Channel Prior and Adaptive Threshold. <i>International Journal of Image and Graphics</i> , 0, , 2150053.	1.2	6
34	Illumination and pose variable face recognition via adaptively weighted ULBP_MHOG and WSRC. <i>Signal Processing: Image Communication</i> , 2017, 58, 175-186.	1.8	5
35	Face sketch-photo synthesis and recognition: Dual-scale Markov Network and multi-information fusion. <i>Journal of Visual Communication and Image Representation</i> , 2018, 51, 112-121.	1.7	5
36	The hausdorff distance template matching algorithm based on kalman filter for target tracking. , 2009, , .		4

#	ARTICLE	IF	CITATIONS
37	CHINESE LICENSE PLATE RECOGNITION BASED ON HUMAN VISION ATTENTION MECHANISM. International Journal of Pattern Recognition and Artificial Intelligence, 2013, 27, 1350024.	0.7	4
38	Sketch Face Recognition: P-HOG Multi-Features Fusion. International Journal of Pattern Recognition and Artificial Intelligence, 2019, 33, 1956003.	0.7	3
39	Two-dimensional Linear discriminant analysis for low-resolution face recognition. , 2017, , .		2
40	Two-stage local details restoration framework for face hallucination. Machine Vision and Applications, 2019, 30, 153-162.	1.7	2
41	Pedestrian detection via deep segmentation and context network. Neural Computing and Applications, 2020, 32, 5845-5857.	3.2	2
42	FSFN: feature separation and fusion network for single image super-resolution. Multimedia Tools and Applications, 2021, 80, 31599.	2.6	2
43	Object Description Using Visual and Tactile Data. IEEE Access, 2022, 10, 54525-54536.	2.6	2
44	Moving human detection and extraction via improved optical flow and adjacent region merger. , 2017, , .		1
45	Saliency detection: Multi-level combination approach via graph-based manifold ranking. , 2017, , .		1
46	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
47	Lightened SphereFace for face recognition. Journal of Electronic Imaging, 2020, 29, , .	0.5	1
48	The Force Feedback and Master-Slave Teleoperation Robot for Live Working. , 2020, , , .		1
49	Match of the Bimaxillary Basal Bone Arches and Its Variations among Individuals. Scanning, 2021, 2021, 1-14.	0.7	1
50	A IHS-WT remote sensing image fusion method based on dynamic weighting of regional multi-features. , 2010, , , .		0
51	Channel-Wise Feature Response Based Deep Saliency Detection. , 2018, , , .		0
52	Multiagent Light Field Reconstruction and Maneuvering Target Recognition via GAN. Mathematical Problems in Engineering, 2019, 2019, 1-10.	0.6	0
53	Face hallucination with K-means++ dictionary learning. Multimedia Tools and Applications, 2020, 79, 11685-11698.	2.6	0
54	Identifying the Strength Level of Objectsâ€™ Tactile Attributes Using a Multi-Scale Convolutional Neural Network. Sensors, 2022, 22, 1908.	2.1	0

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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