Yong Man Ro

List of Publications by Year
in descending order

82 papers	1,432 citations	516710 16 h-index	414414 32 g-index
82 all docs	82 docs citations	82 times ranked	1060 citing authors

#	Article	IF	Citations
1	On-the-Fly Facial Expression Prediction Using LSTM Encoded Appearance-Suppressed Dynamics. IEEE Transactions on Affective Computing, 2022, 13, 159-174.	8.3	11
2	Uncertainty-Guided Cross-Modal Learning for Robust Multispectral Pedestrian Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1510-1523.	8.3	40
3	Assessing Individual VR Sickness Through Deep Feature Fusion of VR Video and Physiological Response. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2895-2907.	8.3	15
4	Robust Perturbation for Visual Explanation: Cross-Checking Mask Optimization to Avoid Class Distortion. IEEE Transactions on Image Processing, 2022, 31, 301-313.	9.8	2
5	Robust Thermal Infrared Pedestrian Detection By Associating Visible Pedestrian Knowledge. , 2022, , .		7
6	Map: Multispectral Adversarial Patch to Attack Person Detection. , 2022, , .		3
7	CUA Loss: Class Uncertainty-Aware Gradient Modulation for Robust Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 3529-3543.	8.3	5
8	Robust Video Frame Interpolation With Exceptional Motion Map. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 754-764.	8.3	17
9	Robust Multispectral Pedestrian Detection via Uncertainty-Aware Cross-Modal Learning. Lecture Notes in Computer Science, 2021, , 391-402.	1.3	3
10	Adversarially Robust Hyperspectral Image Classification via Random Spectral Sampling and Spectral Shape Encoding. IEEE Access, 2021, 9, 66791-66804.	4.2	10
11	Unsupervised Disentangling of Viewpoint and Residues Variations by Substituting Representations for Robust Face Recognition. , 2021, , .		1
12	Towards Robust Training of Multi-Sensor Data Fusion Network Against Adversarial Examples in Semantic Segmentation. , 2021, , .		5
13	Interpretation of Lesional Detection via Counterfactual Generation. , 2021, , .		3
14	Adversarially Robust Multi-Sensor Fusion Model Training Via Random Feature Fusion For Semantic Segmentation. , 2021, , .		2
15	Robust Decision-Based Black-Box Adversarial Attack via Coarse-To-Fine Random Search. , 2021, , .		2
16	Speech Reconstruction With Reminiscent Sound Via Visual Voice Memory. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 3654-3667.	5.8	10
17	Lightweight and Effective Facial Landmark Detection using Adversarial Learning with Face Geometric Map Generative Network. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 771-780.	8.3	14
18	Deep Virtual Reality Image Quality Assessment With Human Perception Guider for Omnidirectional Image. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 917-928.	8.3	107

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19	BBC Net: Bounding-Box Critic Network for Occlusion-Robust Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 1037-1050.	8.3	32
20	BMAN: Bidirectional Multi-Scale Aggregation Networks for Abnormal Event Detection. IEEE Transactions on Image Processing, 2020, 29, 2395-2408.	9.8	76
21	Fake Video Detection With Certainty-Based Attention Network. , 2020, , .		7
22	Learning Style Correlation for Elaborate Few-Shot Classification. , 2020, , .		0
23	Structure Boundary Preserving Segmentation for Medical Image With Ambiguous Boundary. , 2020, , .		62
24	Class Incremental Learning With Task-Selection. , 2020, , .		1
25	Estimating VR Sickness Caused By Camera Shake in VR Videography. , 2020, , .		5
26	Towards Human-Like Interpretable Object Detection Via Spatial Relation Encoding. , 2020, , .		5
27	Comprehensive Facial Expression Synthesis Using Human-Interpretable Language. , 2020, , .		0
28	Dual-Branch Structured De-Striping Convolution Network Using Parametric Noise Model. IEEE Access, 2020, 8, 155519-155528.	4.2	5
29	Revisiting Role of Autoencoders in Adversarial Settings. , 2020, , .		3
30	Robust Video Facial Authentication With Unsupervised Mode Disentanglement. , 2020, , .		1
31	MCSIP Net: Multichannel Satellite Image Prediction via Deep Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2212-2224.	6.3	17
32	SACA Net: Cybersickness Assessment of Individual Viewers for VR Content via Graph-Based Symptom Relation Embedding. Lecture Notes in Computer Science, 2020, , 170-186.	1.3	3
33	Generative Guiding Block: Synthesizing Realistic Looking Variants Capable of Even Large Change Demands. , 2019, , .		2
34	Physiological Fusion Net: Quantifying Individual VR Sickness with Content Stimulus and Physiological Response. , 2019, , .		9
35	Attentive Layer Separation for Object Classification and Object Localization in Object Detection. , 2019, , .		37
36	Deep Objective Assessment Model Based on Spatio-Temporal Perception of 360-Degree Video for VR Sickness Prediction. , 2019, , .		10

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37	Endometrium segmentation on transvaginal ultrasound image using keyâ€point discriminator. Medical Physics, 2019, 46, 3974-3984.	3.0	19
38	Attended Relation Feature Representation of Facial Dynamics for Facial Authentication. IEEE Transactions on Information Forensics and Security, 2019, 14, 1768-1778.	6.9	13
39	VRSA Net: VR Sickness Assessment Considering Exceptional Motion for 360Â° VR Video. IEEE Transactions on Image Processing, 2019, 28, 1646-1660.	9.8	61
40	Binocular Fusion Net: Deep Learning Visual Comfort Assessment for Stereoscopic 3D. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 956-967.	8.3	20
41	Multi-Objective Based Spatio-Temporal Feature Representation Learning Robust to Expression Intensity Variations for Facial Expression Recognition. IEEE Transactions on Affective Computing, 2019, 10, 223-236.	8.3	153
42	Visual evidence for interpreting diagnostic decision of deep neural network in computer-aided diagnosis. , 2019, , .		5
43	Building a Breast-Sentence Dataset: Its Usefulness for Computer-Aided Diagnosis. , 2019, , .		0
44	STAN: Spatio-Temporal Adversarial Networks for Abnormal Event Detection. , 2018, , .		49
45	Visual comfort assessment of stereoscopic images using deep visual and disparity features based on human attention. , 2017, , .		10
46	Multi-Scale Facial Scanning via Spatial Lstm for Latent Facial Feature Representation. , 2017, , .		0
47	Facial dynamic modelling using long short-term memory network: Analysis and application to face authentication. , 2016, , .		8
48	Bilateral hemiface feature representation learning for pose robust facial expression recognition. , 2016, , .		2
49	Spatio-temporal representation for face authentication by using multi-task learning with human attributes. , 2016, , .		8
50	Latent feature representation with 3-D multi-view deep convolutional neural network for bilateral analysis in digital breast tomosynthesis. , 2016, , .		19
51	Experimental investigation of facial expressions associated with visual discomfort: Feasibility study toward an objective measurement of visual discomfort based on facial expression. Journal of Display Technology, 2016, 12, 1785-1797.	1.2	4
52	Measurement of critical temporal inconsistency for quality assessment of synthesized video. , 2016, , .		7
53	Collaborative expression representation using peak expression and intra class variation face images for practical subject-independent emotion recognition in videos. Pattern Recognition, 2016, 54, 52-67.	8.1	46
54	Feature scalability for a low complexity face recognition with unconstrained spatial resolution. Multimedia Tools and Applications, 2016, 75, 6887-6908.	3.9	4

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55	Pose-Robust and Discriminative Feature Representation by Multi-task Deep Learning for Multi-view Face Recognition. , 2015, , .		3
56	Detection of masses in digital breast tomosynthesis using complementary information of simulated projection. Medical Physics, 2015, 42, 7043-7058.	3.0	2
57	Multispectral Texture Features from Visible and Near-Infrared Synthetic Face Images for Face Recognition. , 2015, , .		2
58	Region based stellate features combined with variable selection using AdaBoost learning in mammographic computer-aided detection. Computers in Biology and Medicine, 2015, 63, 238-250.	7.0	5
59	fMRI analysis of excessive binocular disparity on the human brain. International Journal of Imaging Systems and Technology, 2014, 24, 94-102.	4.1	12
60	Face detection for low power event detection in intelligent surveillance system. , 2014, , .		2
61	Investigating experienced quality factors in synthesized multi-view stereo images. , 2014, , .		4
62	Generation of conspicuity-improved synthetic image from digital breast tomosynthesis. , 2014, , .		7
63	Investigating Cascaded Face Quality Assessment for Practical Face Recognition System. , 2014, , .		4
64	Visual comfort improvement in stereoscopic 3D displays using perceptually plausible assessment metric of visual comfort. IEEE Transactions on Consumer Electronics, 2014, 60, 1-9.	3.6	30
65	Visual Comfort Amelioration Technique for Stereoscopic Images: Disparity Remapping to Mitigate Global and Local Discomfort Causes. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 745-758.	8.3	26
66	Improvement of subtle microcalcifications detection in DBT slices. , 2014, , .		0
67	Mass detection based on pooled mass probability map of 3D reconstructed slices in digital breast tomosynthesis. , 2014, , .		0
68	Using color texture sparsity for facial expression recognition. , 2013, , .		14
69	Visual Importance- and Discomfort Region-Selective Low-Pass Filtering for Reducing Visual Discomfort in Stereoscopic Displays. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1408-1421.	8.3	35
70	Crosstalk reduction in stereoscopic displays: A combined approach of disparity adjustment and crosstalk cancellation. , 2013, , .		0
71	Predicting Visual Discomfort Using Object Size and Disparity Information in Stereoscopic Images. IEEE Transactions on Broadcasting, 2013, 59, 28-37.	3.2	72
72	Predicting Visual Discomfort of Stereoscopic Images Using Human Attention Model. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 2077-2082.	8.3	71

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73	Visual discomfort visualizer using stereo vision and time-of-flight depth cameras. IEEE Transactions on Consumer Electronics, 2012, 58, 246-254.	3.6	12
74	Visualizing the Perceived Discomfort of Stereoscopic Video. , 2012, , .		0
75	Combining multiresolution local binary pattern texture analysis and variable selection strategy applied to computer-aided detection of breast masses on mammograms. , 2012, , .		4
76	Privacy Protection in Video Surveillance Systems: Analysis of Subband-Adaptive Scrambling in JPEG XR. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 170-177.	8.3	67
77	Enhanced Distal Radius Segmentation in DXA Using Modified ASM. IEICE Transactions on Information and Systems, 2011, E94-D, 363-370.	0.7	2
78	Human brain response to visual fatigue caused by stereoscopic depth perception. , 2011, , .		25
79	Towards an automatic face indexing system for actor-based video services in an IPTV environment. IEEE Transactions on Consumer Electronics, 2010, 56, 147-155.	3.6	12
80	Automatic Face Annotation in Personal Photo Collections Using Context-Based Unsupervised Clustering and Face Information Fusion. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 1292-1309.	8.3	29
81	Biometric authentication using augmented face and random projection. , 2009, , .		4
82	Privacy Protection in Video Surveillance Systems Using Scalable Video Coding. , 2009, , .		28