Soo-Hyung Kim

List of Publications by Year
in descending order

60 papers	780 citations	516710 16 h-index	580821 25 g-index
60 all docs	60 docs citations	60 times ranked	522 citing authors

#	Article	IF	Citations
1	Pyramid With Super Resolution for In-the-Wild Facial Expression Recognition. IEEE Access, 2020, 8, 131988-132001.	4.2	85
2	Multimodal Approach of Speech Emotion Recognition Using Multi-Level Multi-Head Fusion Attention-Based Recurrent Neural Network. IEEE Access, 2020, 8, 61672-61686.	4.2	80
3	Enhancing U-Net with Spatial-Channel Attention Gate for Abnormal Tissue Segmentation in Medical Imaging. Applied Sciences (Switzerland), 2020, 10, 5729.	2.5	57
4	Real-Time Hand Gesture Spotting and Recognition Using RGB-D Camera and 3D Convolutional Neural Network. Applied Sciences (Switzerland), 2020, 10, 722.	2.5	57
5	Facial Emotion Recognition Using an Ensemble of Multi-Level Convolutional Neural Networks. International Journal of Pattern Recognition and Artificial Intelligence, 2019, 33, 1940015.	1.2	39
6	Facial Expression Recognition Using a Temporal Ensemble of Multi-Level Convolutional Neural Networks. IEEE Transactions on Affective Computing, 2022, 13, 226-237.	8.3	36
7	Page segmentation using minimum homogeneity algorithm and adaptive mathematical morphology. International Journal on Document Analysis and Recognition, 2016, 19, 191-209.	3.4	34
8	Deep neural network-based fusion model for emotion recognition using visual data. Journal of Supercomputing, 2021, 77, 10773-10790.	3.6	27
9	Text line segmentation using a fully convolutional network in handwritten document images. IET Image Processing, 2018, 12, 438-446.	2.5	26
10	Skin Lesion Segmentation by U-Net with Adaptive Skip Connection and Structural Awareness. Applied Sciences (Switzerland), 2021, 11, 4528.	2.5	24
11	Multi-Task Learning for Small Brain Tumor Segmentation from MRI. Applied Sciences (Switzerland), 2020, 10, 7790.	2.5	23
12	Multi-Level Seg-Unet Model with Global and Patch-Based X-ray Images for Knee Bone Tumor Detection. Diagnostics, 2021, 11, 691.	2.6	23
13	Self-Supervised Learning Based on Spatial Awareness for Medical Image Analysis. IEEE Access, 2020, 8, 162973-162981.	4.2	20
14	Real-time virtual mouse system using RGB-D images and fingertip detection. Multimedia Tools and Applications, 2021, 80, 10473-10490.	3.9	20
15	EEG-Based Emotion Recognition by Convolutional Neural Network with Multi-Scale Kernels. Sensors, 2021, 21, 5092.	3.8	18
16	Context-Aware Emotion Recognition Based on Visual Relationship Detection. IEEE Access, 2021, 9, 90465-90474.	4.2	17
17	Korean video dataset for emotion recognition in the wild. Multimedia Tools and Applications, 2021, 80, 9479-9492.	3.9	15
18	Gesture Recognition Based on 3D Human Pose Estimation and Body Part Segmentation for RGB Data Input. Applied Sciences (Switzerland), 2020, 10, 6188.	2.5	12

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19	Image Colorization Using the Global Scene-Context Style and Pixel-Wise Semantic Segmentation. IEEE Access, 2020, 8, 214098-214114.	4.2	12
20	Age estimation based on 3D post-mortem computed tomography images of mandible and femur using convolutional neural networks. PLoS ONE, 2021, 16, e0251388.	2.5	11
21	A multi-voxel-activity-based feature selection method for human cognitive states classification by functional magnetic resonance imaging data. Cluster Computing, 2015, 18, 199-208.	5.0	9
22	Survival time prediction by integrating cox proportional hazards network and distribution function network. BMC Bioinformatics, 2021, 22, 192.	2.6	9
23	Distorted Music Score Recognition without Staffline Removal. , 2014, , .		8
24	Emotion Recognition via Body Gesture. , 2018, , .		8
25	Survival Prediction of Lung Cancer Using Small-Size Clinical Data with a Multiple Task Variational Autoencoder. Electronics (Switzerland), 2021, 10, 1396.	3.1	8
26	Regenerative Semi-Supervised Bidirectional W-Network-Based Knee Bone Tumor Classification on Radiographs Guided by Three-Region Bone Segmentation. IEEE Access, 2019, 7, 154277-154289.	4.2	7
27	Multi-Task Learning for Medical Image Inpainting Based on Organ Boundary Awareness. Applied Sciences (Switzerland), 2021, 11, 4247.	2.5	7
28	Affective Expression Analysis in-the-wild using Multi-Task Temporal Statistical Deep Learning Model. , 2020, , .		7
29	Staff Line Removal Using Line Adjacency Graph and Staff Line Skeleton for Camera-Based Printed Music Scores. , 2014, , .		6
30	Emotion Recognition by Integrating Eye Movement Analysis and Facial Expression Model. , 2019, , .		6
31	3D Skeletal Joints-Based Hand Gesture Spotting and Classification. Applied Sciences (Switzerland), 2021, 11, 4689.	2.5	6
32	Esophagus Segmentation in CT Images via Spatial Attention Network and STAPLE Algorithm. Sensors, 2021, 21, 4556.	3.8	6
33	Object Recognition by Combining Binary Local Invariant Features and Color Histogram. , 2013, , .		5
34	Real-time face tracking with instability using a feature-based adaptive model. International Journal of Control, Automation and Systems, 2015, 13, 725-732.	2.7	5
35	Group-level Cohesion Prediction using Deep Learning Models with A Multi-stream Hybrid Network. , 2019, , .		4
36	Effects of Multiple Filters on Liver Tumor Segmentation From CT Images. Frontiers in Oncology, 2021, 11, 697178.	2.8	4

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37	Boosted Stable Path for Staff-Line Detection Using Order Statistic Downscaling and Coarse-to-Fine Technique. , 2014, , .		3
38	Tumor detection on brain MR images using regional features: Method and preliminary results. , 2015, , .		3
39	Extraction of salient objects based on image clustering and saliency. Pattern Analysis and Applications, 2015, 18, 667-675.	4.6	3
40	Multimodal 2D and 3D for In-The-Wild Facial Expression Recognition. , 2019, , .		3
41	Eye Semantic Segmentation with A Lightweight Model. , 2019, , .		3
42	Distance Error Correction in Time-of-Flight Cameras Using Asynchronous Integration Time. Sensors, 2020, 20, 1156.	3.8	3
43	Context-Aware Emotion Recognition in the Wild Using Spatio-Temporal and Temporal-Pyramid Models. Sensors, 2021, 21, 2344.	3.8	3
44	Stress Analysis with Dimensions of Valence and Arousal in the Wild. Applied Sciences (Switzerland), 2021, 11, 5194.	2.5	3
45	Music symbol recognition by a LAG-based combination model. Multimedia Tools and Applications, 2017, 76, 25563-25579.	3.9	2
46	The Role of Attention Mechanism and Multi-Feature in Image Captioning. , 2019, , .		2
47	D2C-Based Hybrid Network for Predicting Group Cohesion Scores. IEEE Access, 2021, 9, 84356-84363.	4.2	2
48	MLEU. , 2020, , .		2
49	Lanes Detection in PCR Gel Electrophoresis Images. , 2011, , .		1
50	Cell decomposition for the table in document image based on analysis of texts and lines distribution. , 2016, , .		1
51	A method for fingertips detection using RGB-D image and convolution neural network. , 2017, , .		1
52	A 3d Face Modeling Approach for in-The-Wild Facial Expression Recognition on Image Datasets. , 2019, , .		1
53	End-to-End Learning for Multimodal Emotion Recognition in Video With Adaptive Loss. IEEE MultiMedia, 2021, 28, 59-66.	1.7	1
54	Multimodality Pain and related Behaviors Recognition based on Attention Learning. , 2020, , .		1

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55	The Efficacy of Shape Radiomics and Deep Features for Glioblastoma Survival Prediction by Deep Learning. Electronics (Switzerland), 2022, 11, 1038.	3.1	1
56	Object segmentation based on adaptive contour initialization for level set method. , 2012, , .		0
57	Image retrieval system using a decomposition of shape information. , 2012, , .		0
58	Audio-Video Based Emotion Recognition Using Minimum Cost Flow Algorithm. , 2019, , .		0
59	Semantic Segmentation of the Eye With a Lightweight Deep Network and Shape Correction. IEEE Access, 2020, 8, 131967-131974.	4.2	0
60	Deep Graph Fusion Based Multimodal Evoked Expressions From Large-Scale Videos. IEEE Access, 2021, 9, 127068-127080.	4.2	0