

Sangwook Park

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

718
citations

687363
13
h-index

839539
18
g-index

99
all docs

99
docs citations

99
times ranked

542
citing authors

#	ARTICLE	IF	CITATIONS
1	Single image dehazing with image entropy and information fidelity. , 2014, , .		53
2	Deep Neural Network based learning and transferring mid-level audio features for acoustic scene classification. , 2017, , .		40
3	A novel approach for denoising and enhancement of extremely low-light video. IEEE Transactions on Consumer Electronics, 2015, 61, 72-80.	3.6	33
4	Compact HF Surface Wave Radar Data Generating Simulator for Ship Detection and Tracking. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 969-973.	3.1	31
5	Single image haze removal with WLS-based edge-preserving smoothing filter. , 2013, , .		24
6	Multimodal Emotion Recognition Fusion Analysis Adapting BERT With Heterogeneous Feature Unification. IEEE Access, 2021, 9, 94557-94572.	4.2	23
7	Unsupervised domain adaptation based COVID-19 CT infection segmentation network. Applied Intelligence, 2022, 52, 6340-6353.	5.3	21
8	Online multi-person tracking with two-stage data association and online appearance model learning. IET Computer Vision, 2017, 11, 87-95.	2.0	20
9	Acoustic and visual signal based context awareness system for mobile application. IEEE Transactions on Consumer Electronics, 2011, 57, 738-746.	3.6	19
10	Spectro-Temporal Attention-Based Voice Activity Detection. IEEE Signal Processing Letters, 2020, 27, 131-135.	3.6	19
11	Fusion-ConvBERT: Parallel Convolution and BERT Fusion for Speech Emotion Recognition. Sensors, 2020, 20, 6688.	3.8	19
12	License Plate Detection Using Local Structure Patterns. , 2010, , .		18
13	Nonhomogeneous Noise Removal From Side-Scan Sonar Images Using Structural Sparsity. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1215-1219.	3.1	18
14	Attention-Based Convolutional Neural Network for Earthquake Event Classification. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 2057-2061.	3.1	17
15	Simulation and Ship Detection Using Surface Radial Current Observing Compact HF Radar. IEEE Journal of Oceanic Engineering, 2017, 42, 544-555.	3.8	16
16	Adaptive Weighted Multi-Discriminator CycleGAN for Underwater Image Enhancement. Journal of Marine Science and Engineering, 2019, 7, 200.	2.6	16
17	Selective Background Adaptation Based Abnormal Acoustic Event Recognition for Audio Surveillance. , 2012, , .		14
18	Nighttime image dehazing with local atmospheric light and weighted entropy. , 2016, , .		14

#	ARTICLE	IF	CITATIONS
19	Side-Scan Sonar Image Synthesis Based on Generative Adversarial Network for Images in Multiple Frequencies. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1505-1509.	3.1	14
20	Neural Response Selectivity to Natural Sounds in the Bat Midbrain. Neuroscience, 2020, 434, 200-211.	2.3	13
21	Enhancement of image degraded by fog using cost function based on human visual model. , 2008, , .		12
22	Single image haze removal using novel estimation of atmospheric light and transmission. , 2014, , .		12
23	Online multi-person tracking for intelligent video surveillance systems. , 2015, , .		12
24	Voice Activity Detection in Noisy Environments Based on Double-Combined Fourier Transform and Line Fitting. Scientific World Journal, The, 2014, 2014, 1-12.	2.1	11
25	DNN Transfer Learning Based Non-Linear Feature Extraction for Acoustic Event Classification. IEICE Transactions on Information and Systems, 2017, E100.D, 2249-2252.	0.7	11
26	Multifeature Fusion-Based Earthquake Event Classification Using Transfer Learning. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 974-978.	3.1	11
27	Fast Single Image De-Hazing Using Characteristics of RGB Channel of Foggy Image. IEICE Transactions on Information and Systems, 2013, E96.D, 1793-1799.	0.7	9
28	Visual voice activity detection via chaos based lip motion measure robust under illumination changes. IEEE Transactions on Consumer Electronics, 2014, 60, 251-257.	3.6	9
29	A novel framework for extremely low-light video enhancement. , 2014, , .		9
30	Channel and Frequency Attention Module for Diverse Animal Sound Classification. IEICE Transactions on Information and Systems, 2019, E102.D, 2615-2618.	0.7	9
31	Multimodal Deep Fusion Network for Visibility Assessment With a Small Training Dataset. IEEE Access, 2020, 8, 217057-217067.	4.2	9
32	Crowd Density Estimation Using Multi-class Adaboost. , 2012, , .		8
33	Reinforced AdaBoost Learning for Object Detection with Local Pattern Representations. Scientific World Journal, The, 2013, 2013, 1-14.	2.1	8
34	Robust Target Tracking with Multi-Static Sensors under Insufficient TDOA Information. Sensors, 2018, 18, 1481.	3.8	8
35	Memory-based Semantic Segmentation for Off-road Unstructured Natural Environments. , 2021, , .		8
36	A Novel Discriminative Feature Extraction for Acoustic Scene Classification Using RNN Based Source Separation. IEICE Transactions on Information and Systems, 2017, E100.D, 3041-3044.	0.7	7

#	ARTICLE	IF	CITATIONS
37	Feature Sparse Coding With CoordConv for Side Scan Sonar Image Enhancement. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
38	Earthquake Event Classification Using Multitasking Deep Learning. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1149-1153.	3.1	7
39	Side Scan Sonar Image Super Resolution via Region-Selective Sparse Coding. IEICE Transactions on Information and Systems, 2019, E102.D, 210-213.	0.7	6
40	Acoustic and visual signal based context awareness system for mobile application. , 2011, , .		5
41	Resolution enhancement of ROI from surveillance video using Bernstein interpolation. , 2011, , .		5
42	Fog-degraded image restoration using characteristics of RGB channel in single monocular image. , 2012, , .		5
43	Two-Stream Learning-Based Compressive Sensing Network With High-Frequency Compensation for Effective Image Denoising. IEEE Access, 2021, 9, 91974-91982.	4.2	5
44	Effect of background clutter on neural discrimination in the bat auditory midbrain. Journal of Neurophysiology, 2021, 126, 1772-1782.	1.8	5
45	Underwater Radiated Signal Analysis in the Modulation Spectrogram Domain. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 1751-1759.	0.3	4
46	Online Multi-object Tracking Based on Hierarchical Association Framework. , 2016, , .		4
47	Single object tracking based on active and passive detection information in distributed heterogeneous sensor network. , 2016, , .		4
48	Relay dueling network for visual tracking with broad field-of-view. IET Computer Vision, 2019, 13, 615-622.	2.0	4
49	Graph Convolution Networks for Seismic Events Classification Using Raw Waveform Data From Multiple Stations. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	4
50	Robust Dynamic Super Resolution under Inaccurate Motion Estimation. , 2010, , .		3
51	Robust background subtraction using data fusion for real elevator scene. , 2011, , .		3
52	Combining Infrared and Visible Images Using Novel Transform and Statistical Information. , 2012, , .		3
53	Abnormal acoustic event localization based on selective frequency bin in high noise environment for audio surveillance. , 2013, , .		3
54	Amphibian Sounds Generating Network Based on Adversarial Learning. IEEE Signal Processing Letters, 2020, 27, 640-644.	3.6	3

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55	Natural Statistics as Inference Principles of Auditory Tuning in Biological and Artificial Midbrain Networks. ENeuro, 2021, 8, ENEURO.0525-20.2021.	1.9	3
56	Full Azimuth Multiple Sound Source Localization with 3-Channel Microphone Array. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2012, E95.A, 745-750.	0.3	3
57	Man-Made Radio Frequency Interference Suppression for Compact HF Surface Wave Radar. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1317-1321.	3.1	3
58	Discriminative Training of GMM via Log-Likelihood Ratio for Abnormal Acoustic Event Classification in Vehicular Environment. , 2011, , .		2
59	Real-time multi-cue mean-shift hand tracking algorithm in cluttered background. , 2011, , .		2
60	Visual Speech Recognition Using Weighted Dynamic Time Warping. IEICE Transactions on Information and Systems, 2015, E98.D, 1430-1433.	0.7	2
61	Top-view people detection based on multiple subarea pose models for smart home system. , 2016, , .		2
62	Subspace projection cepstral coefficients for noise robust acoustic event recognition. , 2017, , .		2
63	Online pedestrian tracking with multi-stage re-identification. , 2017, , .		2
64	Coastal ship monitoring based on multiple compact high frequency surface wave radars. , 2017, , .		2
65	Action Recognition with Domain Invariant Features of Skeleton Image. , 2021, , .		2
66	Sound Event Detection by Pseudo-Labeling in Weakly Labeled Dataset. Sensors, 2021, 21, 8375.	3.8	2
67	An efficient bias estimation method in multisensor fusion for navigation by adaptive prototype selection in a bank of Kalman filters. , 0, , .		1
68	3D Environment Modeling and its Application to Human Robot Interaction. , 2007, , .		1
69	Enabling directional human-robot speech interface via adaptive beamforming and spatial noise reduction. , 2007, , .		1
70	Pre-Filtering Algorithm for Dual-Microphone Generalized Sidelobe Canceller Using General Transfer Function. IEICE Transactions on Information and Systems, 2014, E97.D, 2533-2536.	0.7	1
71	Video summarization based on extracted key position of spotted objects. , 2015, , .		1
72	Robust visual voice activity detection using local variance histogram in vehicular environments. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
73	Hybrid Retinal Image Registration Using Mutual Information and Salient Features. IEICE Transactions on Information and Systems, 2016, E99.D, 1729-1732.	0.7	1
74	Key Frame Extraction Based on Chaos Theory and Color Information for Video Summarization. IEICE Transactions on Information and Systems, 2016, E99.D, 1698-1701.	0.7	1
75	License Plate Detection and Character Segmentation Using Adaptive Binarization Based on Superpixels under Illumination Change. IEICE Transactions on Information and Systems, 2017, E100.D, 1384-1387.	0.7	1
76	Random Binary Local Patch Clustering Transforms Based Image Matching for Nonlinear Intensity Changes. Mathematical Problems in Engineering, 2018, 2018, 1-16.	1.1	1
77	Orthogonal Gradient Penalty for Fast Training of Wasserstein GAN Based Multi-Task Autoencoder toward Robust Speech Recognition. IEICE Transactions on Information and Systems, 2020, E103.D, 1195-1198.	0.7	1
78	Sketch-and-Fill Network for Semantic Segmentation. IEEE Access, 2021, 9, 85874-85884.	4.2	1
79	A Novel Probabilistic Appearance Model for Cigarette Detection Under Illumination Change. , 2019, , .		1
80	Feedback Module Based Convolution Neural Networks for Sound Event Classification. IEEE Access, 2021, 9, 150993-151003.	4.2	1
81	Seismic Signal Synthesis by Generative Adversarial Network with Gated Convolutional Neural Network Structure. , 2020, , .		1
82	Entropy and information rates for hidden Markov models. , 0, , .		0
83	Mobile phone based interactive 3D virtual URS (Ubiquitous Robotic Space) service. , 2007, , .		0
84	Dialogue enabling speech-to-text user assistive agent with auditory perceptual beamforming for hearing-impaired. , 2013, , .		0
85	Maximum likelihood Linear Dimension Reduction of heteroscedastic feature for robust Speaker Recognition. , 2015, , .		0
86	A time delay convolutional neural network for acoustic scene classification. , 2018, , .		0
87	Accurate Target Motion Analysis from a Small Measurement Set Using RANSAC. IEICE Transactions on Information and Systems, 2018, E101.D, 1711-1714.	0.7	0
88	Bipolar Log-Intensity-Variance Histogram Method for Local Image Patch Intensity Change Measurements. Mathematical Problems in Engineering, 2019, 2019, 1-16.	1.1	0
89	Feedback Network With Curriculum Learning for Earthquake Event Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	0
90	Deep Clustering for Improved Inter-Cluster Separability and Intra-Cluster Homogeneity with Cohesive Loss. IEICE Transactions on Information and Systems, 2021, E104.D, 776-780.	0.7	0

#	ARTICLE	IF	CITATIONS
91	ROBUST REFERENCE POINT DETECTION AND FEATURE EXTRACTION ALGORITHM IN FINGERPRINT VERIFICATION SYSTEM. , 2011, , 151-176.		0
92	New Generalized Sidelobe Canceller with Denoising Auto-Encoder for Improved Speech Enhancement. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 3038-3040.	0.3	0
93	Convolutional Recurrent Neural Networks for Earthquake Epicentral Distance Estimation Using Single-Channel Seismic Waveform. , 2020, , .		0
94	Learnable Maximum Amplitude Structure for Earthquake Event Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	0