Joonwhoan Lee Lee

List of Publications by Year
in descending order

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55 papers	1,290 citations	430874 18 h-index	395702 33 g-index
56 all docs	56 docs citations	56 times ranked	891 citing authors

#	Article	IF	Citations
1	Detecting Pine Trees Damaged by Wilt Disease Using Deep Learning Techniques Applied to Multi-Spectral Images. IEEE Access, 2022, 10, 39108-39118.	4.2	3
2	A Deep Learning-Based Generalized System for Detecting Pine Wilt Disease Using RGB-Based UAV Images. Remote Sensing, 2022, 14, 150.	4.0	19
3	Deep learning-based late fusion of multimodal information for emotion classification of music video. Multimedia Tools and Applications, 2021, 80, 2887-2905.	3.9	81
4	HSIGAN: A Conditional Hyperspectral Image Synthesis Method With Auxiliary Classifier. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3330-3344.	4.9	5
5	Development of AI-Based Diagnostic Model for the Prediction of Hydrate in Gas Pipeline. Energies, 2021, 14, 2313.	3.1	8
6	Implementation of Virtual Reality Model for Offshore Gas Field Platform and Evaluation of Gas Hydrate Formation for Subsea Production Pipeline using AI. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2021, 58, 150-160.	0.4	3
7	Deep-Learning-Based Multimodal Emotion Classification for Music Videos. Sensors, 2021, 21, 4927.	3.8	37
8	An Instance Segmentation Model for Strawberry Diseases Based on Mask R-CNN. Sensors, 2021, 21, 6565.	3.8	37
9	Music video emotion classification using slowâ€“fast audioâ€“video network and unsupervised feature representation. Scientific Reports, 2021, 11, 19834.	3.3	8
10	An Incremental Learning for Plant Disease classification. , 2021, , .		1
11	Multi-modal, Multi-task and Multi-label for Music Genre Classification and Emotion Regression. , 2021, , .		3
12	A DNN-based semantic segmentation for detecting weed and crop. Computers and Electronics in Agriculture, 2020, 178, 105750.	7.7	61
13	Visual Object Detector for Cow Sound Event Detection. IEEE Access, 2020, 8, 162625-162633.	4.2	19
14	Improved Vision-Based Detection of Strawberry Diseases Using a Deep Neural Network. Frontiers in Plant Science, 2020, 11, 559172.	3.6	26
15	Offline mobile diagnosis system for citrus pests and diseases using deep compression neural network. IET Computer Vision, 2020, 14, 370-377.	2.0	5
16	Sound Event Detection in Cowshed using Synthetic Data and Convolutional Neural Network. , 2020, , .		7
17	An Efficient Residual Learning Neural Network for Hyperspectral Image Superresolution. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1240-1253.	4.9	21
18	A 3-D Atrous Convolution Neural Network for Hyperspectral Image Denoising. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5701-5715.	6.3	60

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19	Classification of apple leaf conditions in hyper-spectral images for diagnosis of Marssonina blotch using mRMR and deep neural network. Computers and Electronics in Agriculture, 2018, 148, 179-187.	7.7	34
20	Recognition of facial expressions based on salient geometric features and support vector machines. Multimedia Tools and Applications, 2017, 76, 7921-7946.	3.9	52
21	Facial expression recognition based on local region specific features and support vector machines. Multimedia Tools and Applications, 2017, 76, 7803-7821.	3.9	97
22	Importance of audio feature reduction in automatic music genre classification. Multimedia Tools and Applications, 2016, 75, 3013-3026.	3.9	16
23	Online sequential extreme learning machine-based co-training for dynamic moving cast shadow detection. Multimedia Tools and Applications, 2016, 75, 11181-11197.	3.9	7
24	Facial expression recognition based on region specific appearance and geometric features. , 2015, , .		12
25	Automatic music genre classification using timbral texture and rhythmic content features. , 2015, , .		13
26	Nearest multi-prototype based music mood classification. , 2015, , .		1
27	An Adaptive Histogram Equalization Based Local Technique for Contrast Preserving Image Enhancement. International Journal of Fuzzy Logic and Intelligent Systems, 2015, 15, 35-44.	1.1	20
28	Hybrid Filter Based on Neural Networks for Removing Quantum Noise in Low-Dose Medical X-ray CT Images. International Journal of Fuzzy Logic and Intelligent Systems, 2015, 15, 102-110.	1.1	4
29	Audio feature reduction and analysis for automatic music genre classification. , 2014, , .		17
30	A local technique for contrast preserving medical image enhancement. Proceedings of SPIE, 2014, , .	0.8	0
31	Automatic facial expression recognition based on features extracted from tracking of facial landmarks. , 2014, , .		1
32	Evaluation of different audio features for musical genre classification. , 2013, , .		5
33	Rough clustering of Korean foods based on adjectives for taste evaluation. , 2013, , .		0
34	Geometric Feature-Based Facial Expression Recognition in Image Sequences Using Multi-Class AdaBoost and Support Vector Machines. Sensors, 2013, 13, 7714-7734.	3.8	219
35	Robust detection system of illegal lane changes based on tracking of feature points. IET Intelligent Transport Systems, 2013, 7, 20-27.	3.0	10
36	A Robust Face Detection Method Based on Skin Color and Edges. Journal of Information Processing Systems, 2013, 9, 141-156.	0.9	52

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37	Generalized extreme learning machine acting on a metric space. Soft Computing, 2012, 16, 1503-1514.	3.6	6
38	A Lighting Insensitive Face Detection Method on Color Images. , 2012, , .		4
39	Estimates of learning rates of regularized regression via polyline functions. Mathematical Methods in the Applied Sciences, 2012, 35, 174-181.	2.3	0
40	Learning Rates for Regularized Classifiers Using Trigonometric Polynomial Kernels. Neural Processing Letters, 2012, 35, 265-281.	3.2	0
41	Histogram of Orientation Gradient Feature-Based Facial Expression Classification Using Bagging with Extreme Learning Machine. Advanced Science Letters, 2012, 17, 156-161.	0.2	9
42	Nonlinear transfer function-based local approach for color image enhancement. IEEE Transactions on Consumer Electronics, 2011, 57, 858-865.	3.6	43
43	Development of the 3D volumetric micro-CT scanner for preclinical animals. 3D Research, 2011, 2, 1.	1.8	1
44	Analysis of biomédical textured images with application of synchronized oscillator-based CNN. , 2010, , .		0
45	Color Image Enhancement in HSV Space Using Nonlinear Transfer Function and Neighborhood Dependent Approach with Preserving Details. , 2010, , .		14
46	A Real-Time System for Detecting Illegal Changes-of-Lane Based on Tracking of Feature Points. , 2010, , .		1
47	Fingerprint Matching Using Global Minutiae and Invariant Moments. , 2008, , .		12
48	Emotional Evaluation of Color Patterns Based on Rough Sets. , 2007, , .		5
49	A study of the emotional evaluation models of color patterns based on the adaptive fuzzy system and the neural network. Color Research and Application, 2002, 27, 208-216.	1.6	26
50	Analysis of Camera Operations in MPEG Compressed Domain Based on Generalized Hough Transform. Lecture Notes in Computer Science, 2001, , 1102-1107.	1.3	1
51	Fuzzy-set-based hierarchical networks for information fusion in computer vision. Neural Networks, 1992, 5, 335-350.	5.9	97
52	Fuzzy-connective-based hierarchical aggregation networks for decision making. Fuzzy Sets and Systems, 1992, 46, 11-27.	2.7	99
53	Propagation Of Uncertainty Using Neural Networks. Proceedings of SPIE, 1989, 1002, 377.	0.8	2
54	Color image segmentation using a possibilistic approach. , 0, , .		0

#	Article	IF	Citations
55	Object tracking in MPEG compressed video using mean-shift algorithm. , 0, , .		4