In Seop Na

List of Publications by Year
in descending order

68 papers	541 citations	840776 11 h-index	713466 21 g-index
68 all docs	68 docs citations	68 times ranked	462 citing authors

#	Article	IF	Citations
1	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
2	A BPR-CNN Based Hand Motion Classifier Using Electric Field Sensors. Computers, Materials and Continua, 2022, 71, 5413-5425.	1.9	2
3	Automatic Weight Prediction System for Korean Cattle Using Bayesian Ridge Algorithm on RGB-D Image. Electronics (Switzerland), 2022, 11, 1663.	3.1	16
4	Fruit Ripeness Prediction Based on DNN Feature Induction from Sparse Dataset. Computers, Materials and Continua, 2021, 69, 4003-4024.	1.9	5
5	Deep neural network-based fusion model for emotion recognition using visual data. Journal of Supercomputing, 2021, 77, 10773-10790.	3.6	27
6	Forecasting of Tomato Yields Using Attention-Based LSTM Network and ARMA Model. Electronics (Switzerland), 2021, 10, 1576.	3.1	10
7	Predicting Regional Outbreaks of Hepatitis A Using 3D LSTM and Open Data in Korea. Electronics (Switzerland), 2021, 10, 2668.	3.1	2
8	The 1st Agriculture-Vision Challenge: Methods and Results. , 2020, , .		10
9	Outbreak Prediction of Hepatitis A in Korea based on Statistical Analysis and LSTM Network. , 2020, , .		1
10	Facial UV map completion for pose-invariant face recognition: a novel adversarial approach based on coupled attention residual UNets. Human-centric Computing and Information Sciences, 2020, 10, .	6.1	10
11	HSFE Network and Fusion Model based Dynamic Hand Gesture Recognition. KSII Transactions on Internet and Information Systems, 2020, 14, .	0.3	0
12	Multiple human tracking in drone image. Multimedia Tools and Applications, 2019, 78, 4563-4577.	3.9	13
13	Hand Component Decomposition for the Hand Gesture Recognition Based on FingerPaint Dataset. , 2019, , .		3
14	Emotion Recognition by Integrating Eye Movement Analysis and Facial Expression Model. , 2019, , .		6
15	The Role of Attention Mechanism and Multi-Feature in Image Captioning. , 2019, , .		2
16	Human-machine interaction: A case study on fake news detection using a backtracking based on a cognitive system. Cognitive Systems Research, 2019, 55, 77-81.	2.7	27
17	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
18	Rice yield estimation based on K-means clustering with graph-cut segmentation using low-altitude UAV images. Biosystems Engineering, 2019, 177, 109-121.	4.3	96

#	Article	IF	Citations
19	Variational Bayesian multinomial logistic Gaussian process classification. Multimedia Tools and Applications, 2018, 77, 18563-18582.	3.9	2
20	Analysis an identification with ECG base in augmented-reality. , 2018, , .		0
21	Face tracking with convolutional neural network heat-map. , 2018, , .		3
22	A robust system for document layout analysis using multilevel homogeneity structure. Expert Systems With Applications, 2017, 85, 99-113.	7.6	24
23	Music symbol recognition by a LAG-based combination model. Multimedia Tools and Applications, 2017, 76, 25563-25579.	3.9	2
24	A method for fingertips detection using RGB-D image and convolution neural network. , 2017, , .		1
25	Cell decomposition for the table in document image based on analysis of texts and lines distribution. , 2016, , .		1
26	A mixture model using Random Rotation Bounding Box to detect table region in document image. Journal of Visual Communication and Image Representation, 2016, 39, 196-208.	2.8	14
27	Page segmentation using minimum homogeneity algorithm and adaptive mathematical morphology. International Journal on Document Analysis and Recognition, 2016, 19, 191-209.	3.4	34
28	A hybrid method for table detection from document image. , 2015, , .		10
29	Extraction of salient objects based on image clustering and saliency. Pattern Analysis and Applications, 2015, 18, 667-675.	4.6	3
30	Automatic extraction of text regions from document images by multilevel thresholding and k-means clustering. , 2015, , .		5
31	Hybrid page segmentation using multilevel homogeneity structure. , 2015, , .		8
32	Triangulation Based Skeletonization and Trajectory Recovery for Handwritten Character Patterns. KSII Transactions on Internet and Information Systems, 2015, 9, .	0.3	2
33	Table Detection from Document Image using Vertical Arrangement of Text Blocks. International Journal of Contents, 2015, 11, 77-85.	0.1	45
34	Correction of Text Character Skeleton for Effective Trajectory Recovery. International Journal of Contents, 2015, 11, 7-13.	0.1	2
35	Separation of Text and Non-text in Document Layout Analysis using a Recursive Filter. KSII Transactions on Internet and Information Systems, 2015, 9, .	0.3	5
36	Staff Line Removal Using Line Adjacency Graph and Staff Line Skeleton for Camera-Based Printed Music Scores. , 2014, , .		6

#	Article	IF	Citations
37	Saliency detection using centroid weight map. , 2014, , .		1
38	Boosted Stable Path for Staff-Line Detection Using Order Statistic Downscaling and Coarse-to-Fine Technique. , 2014, , .		3
39	Local features and histogram based planar object recognition. , 2014, , .		1
40	Recursive Coarse-to-Fine Localization for Fast Object Detection. International Journal of Control and Automation, 2014, 7, 235-242.	0.3	1
41	De-Noising Model for Weberface-Based and Max-Filter-Based Illumination Invariant Face Recognition. Lecture Notes in Electrical Engineering, 2014, , 373-380.	0.4	3
42	Automatic Images Classification Using HDP-GMM and Local Image Features. Lecture Notes in Electrical Engineering, 2014, , 323-333.	0.4	2
43	Adaptive MCMC-Based Particle Filter for Real-Time Multi-Face Tracking on Mobile Platforms. International Journal of Contents, 2014, 10, 17-25.	0.1	0
44	Automatic Segmentation of Product Bottle Label Based on GrabCut Algorithm. International Journal of Contents, 2014, 10, 1-10.	0.1	1
45	Robust real time face tracking in mobile devices. , 2013, , .		2
46	An algorithm for candidate sequencing in non-dystrophic skeletal muscle channelopathies. Journal of Neurology, 2013, 260, 1770-1777.	3.6	1
47	Object Recognition by Combining Binary Local Invariant Features and Color Histogram. , 2013, , .		5
48	Unsupervised color images segmentation using spatial hidden MRF GDPM model. , 2013, , .		0
49	Automatic clustering for digital photograph collections using time and content information. , 2013, , .		0
50	Image retrieval using wavelet transform and shape decomposition. , 2013, , .		3
51	Automatic Classification for Various Images Collections Using Two Stages Clustering Method. Open Journal of Applied Sciences, 2013, 03, 47-52.	0.4	2
52	Unconstrained Object Segmentation Using GrabCut Based on Automatic Generation of Initial Boundary. International Journal of Contents, 2013, 9, 6-10.	0.1	3
53	Fast Pedestrian Detection Using Histogram of Oriented Gradients and Principal Components Analysis. International Journal of Contents, 2013, 9, 1-9.	0.1	10
54	Improvement of ASIFT for Object Matching Based on Optimized Random Sampling. International Journal of Contents, 2013, 9, 1-7.	0.1	0

#	Article	IF	Citations
55	Scale Invariant Single Face Tracking Using Particle Filtering With Skin Color. International Journal of Contents, 2013, 9, 9-14.	0.1	0
56	Correction of Signboard Distortion by Vertical Stroke Estimation. KSII Transactions on Internet and Information Systems, 2013, 7, 2312-2325.	0.3	5
57	Variation of SIFT Descriptor for Affine Invariant Object Matching. International Journal of Software Engineering and Its Applications, 2013, 7, 297-308.	0.2	1
58	Generation of training database using a noise model for OCR systems. , 2012, , .		1
59	Object segmentation based on adaptive contour initialization for level set method. , 2012, , .		0
60	Automatic clustering method of multivariate data using Gaussian Dirichlet process mixture model. , 2012, , .		0
61	Image retrieval system using a decomposition of shape information. , 2012, , .		0
62	Lane detection and tracking in PCR gel electrophoresis images. Computers and Electronics in Agriculture, 2012, 83, 85-91.	7.7	8
63	Title Extraction from Book Cover Images Using Histogram of Oriented Gradients and Color Information. International Journal of Contents, 2012, 8, 95-102.	0.1	4
64	Lanes Detection in PCR Gel Electrophoresis Images. , 2011, , .		1
65	Separation of Left and Right Lungs Using 3-Dimensional Information of Sequential Computed Tomography Images and a Guided Dynamic Programming Algorithm. Journal of Computer Assisted Tomography, 2011, 35, 280-289.	0.9	10
66	Bottle Label Segmentation Based on Multiple Gradient Information. International Journal of Contents, 2011, 7, 24-29.	0.1	1
67	A multiple expert algorithm for the binarization of Korean Identity card images. , 2008, , .		0
68	Investigation of Distortion Revision and Binarization of Each Lane on DNA Fingerprint. , 2008, , .		0