Daijin Kim

List of Publications by Citations

104	2,139	27	43
papers	citations	h-index	g-index
131	2,603	4.3	5.42
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
104	Robust human activity recognition from depth video using spatiotemporal multi-fused features. *Pattern Recognition*, **2017**, 61, 295-308	7.7	181
103	A depth video sensor-based life-logging human activity recognition system for elderly care in smart indoor environments. *Sensors*, **2014**, 14, 11735-59	3.8	143
102	Robust face detection using local gradient patterns and evidence accumulation. *Pattern Recognition*, **2012**, 45, 3304-3316	7.7	108
101	Forecasting time series with genetic fuzzy predictor ensemble. *IEEE Transactions on Fuzzy Systems*, **1997**, 5, 523-535	8.3	101
100	Natural facial expression recognition using differential-AAM and manifold learning. *Pattern Recognition*, **2009**, 42, 1340-1350	7.7	87
99	Local transform features and hybridization for accurate face and human detection. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2013**, 35, 1423-36	13.3	86
98	An implementation of fuzzy logic controller on the reconfigurable FPGA system. *IEEE Transactions on Industrial Electronics*, **2000**, 47, 703-715	8.9	85
97	Simultaneous gesture segmentation and recognition based on forward spotting accumulative HMMs. *Pattern Recognition*, **2007**, 40, 3012-3026	7.7	75
96	Data classification based on tolerant rough set. *Pattern Recognition*, **2001**, 34, 1613-1624	7.7	65
95	Pose Robust Face Tracking by Combining Active Appearance Models and Cylinder Head Models. *International Journal of Computer Vision*, **2008**, 80, 260-274	10.6	59
94	Membership authentication in the dynamic group by face classification using SVM ensemble. *Pattern Recognition Letters*, **2003**, 24, 215-225	4.7	48
93	Face membership authentication using SVM classification tree generated by membership-based LLE data partition. *IEEE Transactions on Neural Networks*, **2005**, 16, 436-46		46
92	Shape and Motion Features Approach for Activity Tracking and Recognition from Kinect Video Camera **2015**,		45
91	Design and Implementation of a Pipelined Datapath for High-Speed Face Detection Using FPGA. *IEEE Transactions on Industrial Informatics*, **2012**, 8, 158-167	11.9	43
90	Tensor-based AAM with continuous variation estimation: application to variation-robust face recognition. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2009**, 31, 1102-16	13.3	41
89	Real-time lip reading system for isolated Korean word recognition. *Pattern Recognition*, **2011**, 44, 559-571	7.7	39
88	Subtle facial expression recognition using motion magnification. *Pattern Recognition Letters*, **2009**, 30, 708-716	4.7	36

87	Human Depth Sensors-Based Activity Recognition Using Spatiotemporal Features and Hidden Markov Model for Smart Environments. *Journal of Computer Networks and Communications*, **2016**, 2016, 1-11	2.5	36
86	Face recognition using the mixture-of-eigenfaces method. *Pattern Recognition Letters*, **2002**, 23, 1549-1558	7.7	34
85	A compact local binary pattern using maximization of mutual information for face analysis. *Pattern Recognition*, **2011**, 44, 532-543	7.7	33
84	Face recognition using the embedded HMM with second-order block-specific observations. *Pattern Recognition*, **2003**, 36, 2723-2735	7.7	33
83	Depth silhouettes context: A new robust feature for human tracking and activity recognition based on embedded HMMs **2015**,		31
82	Human daily activity recognition with joints plus body features representation using Kinect sensor **2015**,		30
81	A Fast ICP Algorithm for 3-D Human Body Motion Tracking. *IEEE Signal Processing Letters*, **2010**, 17, 402-405	3.5	29
80	Adaptive active appearance model with incremental learning. *Pattern Recognition Letters*, **2009**, 30, 359-367	4.7	29
79	Individual detection-tracking-recognition using depth activity images **2015**,		28
78	Salient Region-Based Online Object Tracking **2018**,		28
77	Generating frontal view face image for pose invariant face recognition. *Pattern Recognition Letters*, **2006**, 27, 747-754	4.7	26
76	Scene text detection with robust character candidate extraction method **2015**,		23
75	A Unified Gradient-Based Approach for Combining ASM into AAM. *International Journal of Computer Vision*, **2007**, 75, 297-309	10.6	23
74	Engkey: Tele-education Robot. *Lecture Notes in Computer Science*, **2011**, 142-152	0.9	22
73	Variants of the Quantized Visibility Graph for Efficient Path Planning. *Advanced Robotics*, **2011**, 25, 2341-2360	1.7	20
72	Extensions of LDA by PCA mixture model and class-wise features. *Pattern Recognition*, **2003**, 36, 1095-1105	7.7	19
71	Improving the fuzzy system performance by fuzzy system ensemble. *Fuzzy Sets and Systems*, **1998**, 98, 43-56	3.7	18
70	A numeral character recognition using the PCA mixture model. *Pattern Recognition Letters*, **2002**, 23, 103-111	4.7	18

69	An accurate COG defuzzifier design using Lamarckian co-adaptation of learning and evolution. *Fuzzy Sets and Systems*, **2002**, 130, 207-225	3.7	18
68	SAN: Learning Relationship Between Convolutional Features for Multi-scale Object Detection. *Lecture Notes in Computer Science*, **2018**, 328-343	0.9	18
67	Hidden Markov Model Ensemble for Activity Recognition Using Tri-Axis Accelerometer **2015**,		17
66	Pairwise Relational Networks for Face Recognition. *Lecture Notes in Computer Science*, **2018**, 646-663	0.9	17
65	Fast moving object detection with non-stationary background. *Multimedia Tools and Applications*, **2013**, 67, 311-335	2.5	16
64	A spatiotemporal motion variation features extraction approach for human tracking and pose-based action recognition **2015**,		15
63	A design of CMAC-based fuzzy logic controller with fast learning and accurate approximation. *Fuzzy Sets and Systems*, **2002**, 125, 93-104	3.7	15
62	Moving object detection under free-moving camera **2010**,		14
61	Real-time dance evaluation by markerless human pose estimation. *Multimedia Tools and Applications*, **2018**, 77, 31199-31220	2.5	12
60	Hybrid Approach for Facial Feature Detection and Tracking under Occlusion. *IEEE Signal Processing Letters*, **2014**, 21, 1486-1490	3.2	11
59	Hand Gesture Recognition To Understand Musical Conducting Action **2007**,		11
58	An Intelligent Smart Home Control Using Body Gestures **2006**,		11
57	Eye Detection and Eye Blink Detection Using AdaBoost Learning and Grouping **2011**,		10
56	A novel illumination-robust face recognition using statistical and non-statistical method. *Pattern Recognition Letters*, **2011**, 32, 329-336	4.7	10
55	Facial expression analysis with facial expression deformation **2008**,		8
54	Human Face Detection in Digital Video Using SVMEnsemble. *Neural Processing Letters*, **2003**, 17, 239-252	2.4	8
53	Generalized Binary Pattern for Eye Detection. *IEEE Signal Processing Letters*, **2013**, 20, 343-346	3.2	7
52	Deep Convolutional Neural Network Using Triplets of Faces, Deep Ensemble, and Score-Level Fusion for Face Recognition **2017**,		7

51	Spontaneous facial expression classification with facial motion vectors **2008**,		7
50	A Real-Time Face Tracking using the Stereo Active Appearance Model **2006**,		7
49	Face identification using affine simulated dense local descriptors **2013**,		6
48	An FPGA-based Parallel Hardware Architecture for Real-Time Face Detection Using a Face Certainty Map **2009**,		6
47	A CNN-based 3D human pose estimation based on projection of depth and ridge data. *Pattern Recognition*, **2020**, 106, 107462	7.7	6
46	An accurate and cost-effective COG defuzzifier without the multiplier and the divider. *Fuzzy Sets and Systems*, **1999**, 104, 229-244	3.7	5
45	Spatio-Temporal Slowfast Self-Attention Network For Action Recognition **2020**,		5
44	ACN: Occlusion-tolerant face alignment by attentional combination of heterogeneous regression networks. *Pattern Recognition*, **2021**, 114, 107761	7.7	5
43	Accurate Human Pose Estimation by Aggregating Multiple Pose Hypotheses Using Modified Kernel Density Approximation. *IEEE Signal Processing Letters*, **2015**, 22, 445-449	3.2	4
42	Accurate Static Region Classification Using Multiple Cues for ARO Detection. *IEEE Signal Processing Letters*, **2014**, 21, 937-941	3.2	4
41	Multiple human tracking using multiple kinects for an attendance check system of a smart class **2013**,		4
40	PFW: A Face Database in the Wild for Studying Face Identification and Verification in Uncontrolled Environment **2013**,		4
39	The POSTECH face database (PF07) and performance evaluation **2008**,		4
38	Bayesian Multidimensional Scaling for Multi-Robot Localization **2008**,		4
37	Staam: Fitting a 2D+3D AAM to Stereo Images **2006**,		4
36	Pattern classification using support vector machine ensemble		4
35	Robust face alignment and tracking by combining local search and global fitting. *Image and Vision Computing*, **2016**, 51, 69-83	3.7	3
34	Detector with focus: Normalizing gradient in image pyramid **2017**,		3

33	Abnormal Object Detection Using Feedforward Model and Sequential Filters **2012**,		3
32	POSE ROBUST HUMAN DETECTION IN DEPTH IMAGES USING MULTIPLY-ORIENTED 2D ELLIPTICAL FILTERS. *International Journal of Pattern Recognition and Artificial Intelligence*, **2010**, 24, 691-717	1.1	3
31	Partially observed distance mapping for cooperative multi-robot localization. *Intelligent Service Robotics*, **2009**, 2, 1-8	2.6	3
30	Multi-resolution 3D morphable models and its matching method **2008**,		3
29	REAL-TIME FACIAL POSE IDENTIFICATION WITH HIERARCHICALLY STRUCTURED ML POSE CLASSIFIER. *International Journal of Pattern Recognition and Artificial Intelligence*, **2004**, 18, 127-142	1.1	3
28	Face recognition using LDA mixture model		3
27	Robust Face-Tracking Using Skin Color and Facial Shape. *Lecture Notes in Computer Science*, **2003**, 302-309	0.9	3
26	A complementary regression network for accurate face alignment. *Image and Vision Computing*, **2020**, 95, 103883	3.7	2
25	Manipulator motion planning with unconstrained end-effector under obstacle environment. *Advanced Robotics*, **2014**, 28, 533-544	1.7	2
24	Efficient body part tracking using ridge data and data pruning **2015**,		2
23	Static region classification using hierarchical finite state machine **2014**,		2
22	Robust two-stage lip tracker **2009**,		2
21	MMI-Based Optimal LBP Code Selection for Face Recognition **2009**,		2
20	MMI-based optimal LBP code selection for facial expression recognition **2009**,		2
19	Real-time object recognition using relational dependency based on graphical model. *Pattern Recognition*, **2008**, 41, 742-753	7.7	2
18	Extension of AAM with 3D shape model for facial shape tracking		2
17	An accurate and real-time multi-view face detector using ORFs and doubly domain-partitioning classifier. *Journal of Real-Time Image Processing*, **2019**, 16, 2425-2440	1.9	2
16	Estimating 3D Facial Shape and Motion from Stereo Image Using Active Appearance Models with Stereo Constraints. *Lecture Notes in Computer Science*, **2006**, 457-467	0.9	2

LIST OF PUBLICATIONS

15	Traffic light recognition with HUV-histogram from daytime driving-view images **2017**,		1
14	Accurate abandoned and removed object classification using hierarchical finite state machine. *Image and Vision Computing*, **2015**, 44, 1-14	3.7	1
13	Proactive Human Search for the Designated Person with Prior Context Information in an Undiscovered Environments. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2012**, 67, 79-99	2.9	1
12	FH-adaptive motion compensation for moving object detection in an active camera **2009**,		1
11	Fast Car/Human Classification Using Triple Directional Edge Property and Local Relations **2009**,		1
10	Fast seam carving using partial update and divide and conquer method **2009**,		1
9	3D Face Fitting Using Multi-stage Parameter Updating in the 3D Morphable Face Model **2008**,		1
8	Gender Classification with Bayesian Kernel Methods **2006**,		1
7	A PCA mixture model with an efficient model selection method		1
6	Deep convolution neural network with stacks of multi-scale convolutional layer block using triplet of faces for face recognition in the wild **2016**,		1
5	Hierarchical Feature-Pair Relation Networks for Face Recognition **2019**,		1
4	VAN: Versatile Affinity Network for End-to-End Online Multi-object Tracking. *Lecture Notes in Computer Science*, **2021**, 576-593	0.9	1
3	BAN: Focusing on Boundary Context for Object Detection. *Lecture Notes in Computer Science*, **2019**, 555-570	0.9	0
2	SLAM by Combining Multidimensional Scaling and Particle Filtering. *Lecture Notes in Computer Science*, **2008**, 825-832	0.9	
1	Multi-task Learning with Future States for Vision-Based Autonomous Driving. *Lecture Notes in Computer Science*, **2021**, 654-669	0.9	