

Daijin Kim

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

104
papers

2,139
citations

27
h-index

43
g-index

131
ext. papers

2,603
ext. citations

4.3
avg, IF

5.42
L-index

#	Paper	IF	Citations
104	ACN: Occlusion-tolerant face alignment by attentional combination of heterogeneous regression networks. <i>Pattern Recognition</i> , 2021 , 114, 107761	7.7	5
103	Multi-task Learning with Future States for Vision-Based Autonomous Driving. <i>Lecture Notes in Computer Science</i> , 2021 , 654-669	0.9	
102	VAN: Versatile Affinity Network for End-to-End Online Multi-object Tracking. <i>Lecture Notes in Computer Science</i> , 2021 , 576-593	0.9	1
101	A complementary regression network for accurate face alignment. <i>Image and Vision Computing</i> , 2020 , 95, 103883	3.7	2
100	A CNN-based 3D human pose estimation based on projection of depth and ridge data. <i>Pattern Recognition</i> , 2020 , 106, 107462	7.7	6
99	Spatio-Temporal Slowfast Self-Attention Network For Action Recognition 2020 ,		5
98	BAN: Focusing on Boundary Context for Object Detection. <i>Lecture Notes in Computer Science</i> , 2019 , 555-570		0
97	Hierarchical Feature-Pair Relation Networks for Face Recognition 2019 ,		1
96	An accurate and real-time multi-view face detector using ORFs and doubly domain-partitioning classifier. <i>Journal of Real-Time Image Processing</i> , 2019 , 16, 2425-2440	1.9	2
95	Real-time dance evaluation by markerless human pose estimation. <i>Multimedia Tools and Applications</i> , 2018 , 77, 31199-31220	2.5	12
94	Pairwise Relational Networks for Face Recognition. <i>Lecture Notes in Computer Science</i> , 2018 , 646-663	0.9	17
93	SAN: Learning Relationship Between Convolutional Features for Multi-scale Object Detection. <i>Lecture Notes in Computer Science</i> , 2018 , 328-343	0.9	18
92	Salient Region-Based Online Object Tracking 2018 ,		28
91	Deep Convolutional Neural Network Using Triplets of Faces, Deep Ensemble, and Score-Level Fusion for Face Recognition 2017 ,		7
90	Robust human activity recognition from depth video using spatiotemporal multi-fused features. <i>Pattern Recognition</i> , 2017 , 61, 295-308	7.7	181
89	Detector with focus: Normalizing gradient in image pyramid 2017 ,		3
88	Traffic light recognition with HUV-histogram from daytime driving-view images 2017 ,		1

87	Robust face alignment and tracking by combining local search and global fitting. <i>Image and Vision Computing</i> , 2016 , 51, 69-83	3.7	3
86	Human Depth Sensors-Based Activity Recognition Using Spatiotemporal Features and Hidden Markov Model for Smart Environments. <i>Journal of Computer Networks and Communications</i> , 2016 , 2016, 1-11	2.5	36
85	Deep convolution neural network with stacks of multi-scale convolutional layer block using triplet of faces for face recognition in the wild 2016 ,		1
84	Shape and Motion Features Approach for Activity Tracking and Recognition from Kinect Video Camera 2015 ,		45
83	Scene text detection with robust character candidate extraction method 2015 ,		23
82	Human daily activity recognition with joints plus body features representation using Kinect sensor 2015 ,		30
81	Accurate Human Pose Estimation by Aggregating Multiple Pose Hypotheses Using Modified Kernel Density Approximation. <i>IEEE Signal Processing Letters</i> , 2015 , 22, 445-449	3.2	4
80	Hidden Markov Model Ensemble for Activity Recognition Using Tri-Axis Accelerometer 2015 ,		17
79	Accurate abandoned and removed object classification using hierarchical finite state machine. <i>Image and Vision Computing</i> , 2015 , 44, 1-14	3.7	1
78	A spatiotemporal motion variation features extraction approach for human tracking and pose-based action recognition 2015 ,		15
77	Depth silhouettes context: A new robust feature for human tracking and activity recognition based on embedded HMMs 2015 ,		31
76	Individual detection-tracking-recognition using depth activity images 2015 ,		28
75	Efficient body part tracking using ridge data and data pruning 2015 ,		2
74	Accurate Static Region Classification Using Multiple Cues for ARO Detection. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 937-941	3.2	4
73	Manipulator motion planning with unconstrained end-effector under obstacle environment. <i>Advanced Robotics</i> , 2014 , 28, 533-544	1.7	2
72	Hybrid Approach for Facial Feature Detection and Tracking under Occlusion. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 1486-1490	3.2	11
71	A depth video sensor-based life-logging human activity recognition system for elderly care in smart indoor environments. <i>Sensors</i> , 2014 , 14, 11735-59	3.8	143
70	Static region classification using hierarchical finite state machine 2014 ,		2

69	Fast moving object detection with non-stationary background. <i>Multimedia Tools and Applications</i> , 2013 , 67, 311-335	2.5	16
68	Generalized Binary Pattern for Eye Detection. <i>IEEE Signal Processing Letters</i> , 2013 , 20, 343-346	3.2	7
67	Local transform features and hybridization for accurate face and human detection. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013 , 35, 1423-36	13.3	86
66	Multiple human tracking using multiple kinects for an attendance check system of a smart class 2013 ,		4
65	Face identification using affine simulated dense local descriptors 2013 ,		6
64	PFW: A Face Database in the Wild for Studying Face Identification and Verification in Uncontrolled Environment 2013 ,		4
63	Robust face detection using local gradient patterns and evidence accumulation. <i>Pattern Recognition</i> , 2012 , 45, 3304-3316	7.7	108
62	Design and Implementation of a Pipelined Datapath for High-Speed Face Detection Using FPGA. <i>IEEE Transactions on Industrial Informatics</i> , 2012 , 8, 158-167	11.9	43
61	Abnormal Object Detection Using Feedforward Model and Sequential Filters 2012 ,		3
60	Proactive Human Search for the Designated Person with Prior Context Information in an Undiscovered Environments. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2012 , 67, 79-99	2.9	1
59	Eye Detection and Eye Blink Detection Using AdaBoost Learning and Grouping 2011 ,		10
58	Real-time lip reading system for isolated Korean word recognition. <i>Pattern Recognition</i> , 2011 , 44, 559-571.7		39
57	A novel illumination-robust face recognition using statistical and non-statistical method. <i>Pattern Recognition Letters</i> , 2011 , 32, 329-336	4.7	10
56	A compact local binary pattern using maximization of mutual information for face analysis. <i>Pattern Recognition</i> , 2011 , 44, 532-543	7.7	33
55	Variants of the Quantized Visibility Graph for Efficient Path Planning. <i>Advanced Robotics</i> , 2011 , 25, 2341-2360	1.7	20
54	Engkey: Tele-education Robot. <i>Lecture Notes in Computer Science</i> , 2011 , 142-152	0.9	22
53	A Fast ICP Algorithm for 3-D Human Body Motion Tracking. <i>IEEE Signal Processing Letters</i> , 2010 , 17, 402-405	3.05	29
52	POSE ROBUST HUMAN DETECTION IN DEPTH IMAGES USING MULTIPLY-ORIENTED 2D ELLIPTICAL FILTERS. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2010 , 24, 691-717	1.1	3

51	Moving object detection under free-moving camera 2010 ,		14
50	FH-adaptive motion compensation for moving object detection in an active camera 2009 ,		1
49	Robust two-stage lip tracker 2009 ,		2
48	Fast Car/Human Classification Using Triple Directional Edge Property and Local Relations 2009 ,		1
47	Natural facial expression recognition using differential-AAM and manifold learning. <i>Pattern Recognition</i> , 2009 , 42, 1340-1350	7.7	87
46	Partially observed distance mapping for cooperative multi-robot localization. <i>Intelligent Service Robotics</i> , 2009 , 2, 1-8	2.6	3
45	Adaptive active appearance model with incremental learning. <i>Pattern Recognition Letters</i> , 2009 , 30, 359-367	4.7	29
44	Subtle facial expression recognition using motion magnification. <i>Pattern Recognition Letters</i> , 2009 , 30, 708-716	4.7	36
43	An FPGA-based Parallel Hardware Architecture for Real-Time Face Detection Using a Face Certainty Map 2009 ,		6
42	MMI-Based Optimal LBP Code Selection for Face Recognition 2009 ,		2
41	Fast seam carving using partial update and divide and conquer method 2009 ,		1
40	MMI-based optimal LBP code selection for facial expression recognition 2009 ,		2
39	Tensor-based AAM with continuous variation estimation: application to variation-robust face recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2009 , 31, 1102-16	13.3	41
38	SLAM by Combining Multidimensional Scaling and Particle Filtering. <i>Lecture Notes in Computer Science</i> , 2008 , 825-832	0.9	
37	The POSTECH face database (PF07) and performance evaluation 2008 ,		4
36	Spontaneous facial expression classification with facial motion vectors 2008 ,		7
35	Multi-resolution 3D morphable models and its matching method 2008 ,		3
34	Facial expression analysis with facial expression deformation 2008 ,		8

33	Bayesian Multidimensional Scaling for Multi-Robot Localization 2008 ,		4
32	3D Face Fitting Using Multi-stage Parameter Updating in the 3D Morphable Face Model 2008 ,		1
31	Pose Robust Face Tracking by Combining Active Appearance Models and Cylinder Head Models. <i>International Journal of Computer Vision</i> , 2008 , 80, 260-274	10.6	59
30	Real-time object recognition using relational dependency based on graphical model. <i>Pattern Recognition</i> , 2008 , 41, 742-753	7.7	2
29	Simultaneous gesture segmentation and recognition based on forward spotting accumulative HMMs. <i>Pattern Recognition</i> , 2007 , 40, 3012-3026	7.7	75
28	A Unified Gradient-Based Approach for Combining ASM into AAM. <i>International Journal of Computer Vision</i> , 2007 , 75, 297-309	10.6	23
27	Hand Gesture Recognition To Understand Musical Conducting Action 2007 ,		11
26	A Real-Time Face Tracking using the Stereo Active Appearance Model 2006 ,		7
25	Staam: Fitting a 2D+3D AAM to Stereo Images 2006 ,		4
24	Gender Classification with Bayesian Kernel Methods 2006 ,		1
23	An Intelligent Smart Home Control Using Body Gestures 2006 ,		11
22	Generating frontal view face image for pose invariant face recognition. <i>Pattern Recognition Letters</i> , 2006 , 27, 747-754	4.7	26
21	Estimating 3D Facial Shape and Motion from Stereo Image Using Active Appearance Models with Stereo Constraints. <i>Lecture Notes in Computer Science</i> , 2006 , 457-467	0.9	2
20	Face membership authentication using SVM classification tree generated by membership-based LLE data partition. <i>IEEE Transactions on Neural Networks</i> , 2005 , 16, 436-46		46
19	REAL-TIME FACIAL POSE IDENTIFICATION WITH HIERARCHICALLY STRUCTURED ML POSE CLASSIFIER. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2004 , 18, 127-142	1.1	3
18	Human Face Detection in Digital Video Using SVMEnsemble. <i>Neural Processing Letters</i> , 2003 , 17, 239-252.4		8
17	Face recognition using the embedded HMM with second-order block-specific observations. <i>Pattern Recognition</i> , 2003 , 36, 2723-2735	7.7	33
16	Membership authentication in the dynamic group by face classification using SVM ensemble. <i>Pattern Recognition Letters</i> , 2003 , 24, 215-225	4.7	48

15	Extensions of LDA by PCA mixture model and class-wise features. <i>Pattern Recognition</i> , 2003 , 36, 1095-1105	19
14	Robust Face-Tracking Using Skin Color and Facial Shape. <i>Lecture Notes in Computer Science</i> , 2003 , 302-309	3
13	A numeral character recognition using the PCA mixture model. <i>Pattern Recognition Letters</i> , 2002 , 23, 103-111	4-7 18
12	Face recognition using the mixture-of-eigenfaces method. <i>Pattern Recognition Letters</i> , 2002 , 23, 1549-1558	17 34
11	A design of CMAC-based fuzzy logic controller with fast learning and accurate approximation. <i>Fuzzy Sets and Systems</i> , 2002 , 125, 93-104	3-7 15
10	An accurate COG defuzzifier design using Lamarckian co-adaptation of learning and evolution. <i>Fuzzy Sets and Systems</i> , 2002 , 130, 207-225	3-7 18
9	Data classification based on tolerant rough set. <i>Pattern Recognition</i> , 2001 , 34, 1613-1624	7-7 65
8	An implementation of fuzzy logic controller on the reconfigurable FPGA system. <i>IEEE Transactions on Industrial Electronics</i> , 2000 , 47, 703-715	8-9 85
7	An accurate and cost-effective COG defuzzifier without the multiplier and the divider. <i>Fuzzy Sets and Systems</i> , 1999 , 104, 229-244	3-7 5
6	Improving the fuzzy system performance by fuzzy system ensemble. <i>Fuzzy Sets and Systems</i> , 1998 , 98, 43-56	3-7 18
5	Forecasting time series with genetic fuzzy predictor ensemble. <i>IEEE Transactions on Fuzzy Systems</i> , 1997 , 5, 523-535	8-3 101
4	Extension of AAM with 3D shape model for facial shape tracking	2
3	A PCA mixture model with an efficient model selection method	1
2	Pattern classification using support vector machine ensemble	4
1	Face recognition using LDA mixture model	3