Lale Akarun

List of Publications by Year
in descending order

120 papers	2,698 citations	331259 21 h-index	223531 46 g-index
121 all docs	121 docs citations	121 times ranked	1931 citing authors

#	Article	IF	Citations
1	Score-Level Multi Cue Fusion for Sign Language Recognition. Lecture Notes in Computer Science, 2020, , 294-309.	1.0	9
2	Dynamic Time Warping Based Sign Retrieval. , 2019, , .		1
3	Identifying Image Related Sentences in News Articles. , 2019, , .		1
4	Affordable person detection in omnidirectional cameras using radial integral channel features. Machine Vision and Applications, 2019, 30, 645-655.	1.7	3
5	Rectangle blanket problem: Binary integer linear programming formulation and solution algorithms. European Journal of Operational Research, 2019, 277, 62-83.	3.5	4
6	Temporal Accumulative Features for Sign Language Recognition. , 2019, , .		11
7	Recognizing Non-Manual Signs in Turkish Sign Language. , 2019, , .		6
8	Multi-view Reconstruction of 3D Human Pose with Procrustes Analysis. , 2019, , .		4
9	Conditional Information Gain Networks. , 2018, , .		0
10	Isolated sign language recognition with fast hand descriptors. , 2018, , .		3
11	Multi-domain and multi-task prediction of extraversion and leadership from meeting videos. Eurasip Journal on Image and Video Processing, 2017, 2017, .	1.7	10
12	Automatic personality prediction from audiovisual data using random forest regression. , 2016, , .		11
13	Isolated sign language recognition using Improved Dense Trajectories. , 2016, , .		11
14	Sign Language Recognition for Assisting the Deaf in Hospitals. Lecture Notes in Computer Science, 2016, , 89-101.	1.0	14
15	Facial Landmark Localization in Depth Images Using Supervised Ridge Descent. , 2015, , .		9
16	Computer aided detection of spina bifida using nearest neighbor classification with curvature scale space features of fetal skulls extracted from ultrasound images. Knowledge-Based Systems, 2015, 85, 80-95.	4.0	12
17	Modeling annotator behaviors for crowd labeling. Neurocomputing, 2015, 160, 141-156.	3.5	22
18	Facial landmark localization in depth images using Supervised Descent Method. , 2015, , .		4

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19	Gesture Recognition Using Template Based Random Forest Classifiers. Lecture Notes in Computer Science, 2015, , 579-594.	1.0	13
20	Detection of Realistic Facial Occlusions for Robust 3D Face Recognition. , 2014, , .		5
21	Multiple person tracking using omnidirectional cameras. , 2014, , .		3
22	Randomized Matrix Decompositions and Exemplar Selection in Large Dictionaries for Polyphonic Piano Transcription. Journal of New Music Research, 2014, 43, 255-265.	0.6	1
23	Domain adaptation for gesture recognition using hidden Markov models. , 2014, , .		0
24	Hierarchically constrained 3D hand pose estimation using regression forests from single frame depth data. Pattern Recognition Letters, 2014, 50, 91-100.	2.6	38
25	Masked projection for 3D face recognition under occlusion. , 2014, , .		0
26	Coupling Fall Detection and Tracking in Omnidirectional Cameras. Lecture Notes in Computer Science, 2014, , 73-85.	1.0	4
27	3-D Face Recognition Under Occlusion Using Masked Projection. IEEE Transactions on Information Forensics and Security, 2013, 8, 789-802.	4.5	54
28	ID for data with multiple clusters. , 2013, , .		0
29	Biomedical image time series registration with particle filtering. , 2013, , .		0
30	Physiotherapy guidance by motion analysis based on Hidden Markov Model. , 2013, , .		0
31	Fall detection using multi-omnidirectional cameras. , 2013, , .		0
32	Multi-omnidirectional cameras for ambient intelligence. , 2012, , .		1
33	SVD-based polyphonic music transcription. , 2012, , .		1
34	Hand Pose Estimation and Hand Shape Classification Using Multi-layered Randomized Decision Forests. Lecture Notes in Computer Science, 2012, , 852-863.	1.0	152
35	Probabilistic interpolative decomposition. , 2012, , .		1
36	Face recognition using curvature Gabor features. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
37	Selection and combination of local Gabor classifiers for robust face verification. , 2012, , .		2
38	Depth image based 3D hand pose estimation framework. , 2012, , .		1
39	3D hand pose estimation and classification using depth sensors. , 2012, , .		2
40	Automatic recognition fingerspelling gestures in multiple languages for a communication interface for the disabled. Pattern Recognition and Image Analysis, 2012, 22, 527-536.	0.6	8
41	Robust 3D face recognition in the presence of realistic occlusions. , 2012, , .		22
42	Occlusion-robust 3D face recognition using restoration and local classifiers. , 2011, , .		1
43	DTW Based Clustering to Improve Hand Gesture Recognition. Lecture Notes in Computer Science, 2011, , 72-81.	1.0	18
44	Real time hand pose estimation using depth sensors. , 2011, , .		135
45	Automatic fingersign-to-speech translation system. Journal on Multimodal User Interfaces, 2011, 4, 61-79.	2.0	9
46	Real-time pose tracking based on a 3D skeletal model using multiple cameras. , 2011, , .		1
47	Human action recognition in videos using keypoint tracking. , 2011, , .		1
48	Hand Gesture Analysis. , 2011, , 125-149.		4
49	A multi-class classification strategy for Fisher scores: Application to signer independent sign language recognition. Pattern Recognition, 2010, 43, 1776-1788.	5.1	46
50	Regional Registration for Expression Resistant 3-D Face Recognition. IEEE Transactions on Information Forensics and Security, 2010, 5, 425-440.	4.5	76
51	Surveillance with wireless sensor networks in obstruction: Breach paths as watershed contours. Computer Networks, 2010, 54, 428-441.	3.2	16
52	Multi-modal fall detection within the WeCare framework. , 2010, , .		10
53	Biometric identification through hand vein patterns. , 2010, , .		12
54	Multimodal Human Computer Interaction with MIDAS Intelligent Infokiosk. , 2010, , .		2

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55	The Multiscenario Multienvironment BioSecure Multimodal Database (BMDB). IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 1097-1111.	9.7	176
56	Biometric Identification through Hand Vein Patterns. , 2010, , .		15
57	Facial expression and head gesture recognition using temporal self-similarity and bag of words of facial landmarks. , 2010, , .		0
58	A robust multimodal fall detection method for ambient assisted living applications. , 2010, , .		6
59	Generating motion graphs from clusters of individual poses. , 2009, , .		2
60	Gamma Markov Random fields for audio source modelling. , 2009, , .		0
61	3D Face Recognition. , 2009, , 263-295.		7
62	A belief-based sequential fusion approach for fusing manual signs and non-manual signals. Pattern Recognition, 2009, 42, 812-822.	5.1	40
63	STARS: Sign tracking and recognition system using input–output HMMs. Pattern Recognition Letters, 2009, 30, 1086-1095.	2.6	24
64	Automatic sign segmentation from continuous signing via multiple sequence alignment. , 2009, , .		9
65	Expression, pose and occlusion resistant 3D facial landmarking. , 2009, , .		0
66	Alignment based extraction of isolated signs from sign language videos. , 2009, , .		2
67	SignTutor: An Interactive System for Sign Language Tutoring. IEEE MultiMedia, 2009, 16, 81-93.	1.5	49
68	Facial feature tracking and expression recognition for sign language. , 2009, , .		5
69	Regional registration and curvature descriptors for expression resistant 3D face recognition. , 2009, , .		5
70	3D Face Recognition: Technology and Applications. Advances in Pattern Recognition, 2009, , 217-246.	0.8	12
71	Sequential Belief-Based Fusion of Manual and Non-manual Information for Recognizing Isolated Signs. Lecture Notes in Computer Science, 2009, , 134-144.	1.0	5
72	Nasal Region-Based 3D Face Recognition under Pose and Expression Variations. Lecture Notes in Computer Science, 2009, , 309-318.	1.0	16

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73	Cooperative Sign Language Tutoring: A Multiagent Approach. Lecture Notes in Computer Science, 2009, , 213-228.	1.0	0
74	Speech and sliding text aided sign retrieval from hearing impaired sign news videos. Journal on Multimodal User Interfaces, 2008, 2, 117-131.	2.0	13
75	An audio-driven dancing avatar. Journal on Multimodal User Interfaces, 2008, 2, 93-103.	2.0	12
76	Bosphorus Database for 3D Face Analysis. Lecture Notes in Computer Science, 2008, , 47-56.	1.0	516
77	Representation Plurality and Fusion for 3-D Face Recognition. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 155-173.	5.5	61
78	A particle filter based algorithm for robust tracking of hands and face under occlusion. , 2008, , .		1
79	Part-based registration for expression resistant 3D face recognition. , 2008, , .		1
80	Component-based registration with curvature descriptors for expression insensitive 3d face recognition. , 2008, , .		9
81	Facial feature tracking and expression recognition for sign language. , 2008, , .		21
82	3D Facial Landmarking under Expression, Pose, and Occlusion Variations. , 2008, , .		56
83	A 3D Face Recognition System for Expression and Occlusion Invariance. , 2008, , .		67
84	Multi-class classification strategies for Fisher scores of gesture and sign sequences. , 2008, , .		4
85	Combined color and texture tracking for video post-editing. , 2008, , .		1
86	Clustering poses of motion capture data using limb centroids. , 2008, , .		5
87	Color vision in humans and computers. , 2008, , .		0
88	A Dempster-Shafer Theory Based Combination of Classifiers for Hand Gesture Recognition. Communications in Computer and Information Science, 2008, , 137-150.	0.4	5
89	3D Face Recognition Benchmarks on the BosphorusÂDatabase with Focus on Facial Expressions. Lecture Notes in Computer Science, 2008, , 57-66.	1.0	36
90	Analysis of Representation and Feature Extraction Schemes for 3D Face Recognition. , 2007, , .		1

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91	Image and Video for Hearing Impaired People. Eurasip Journal on Image and Video Processing, 2007, 2007, 1-14.	1.7	3
92	A Multimodal 3D Healthcare Communication System. , 2007, , .		16
93	Sign Language Motion Tracking and Generating 3D Motion Pieces Using 2D Features. , 2007, , .		0
94	Alternative Average Face Models for 3D Face Registration. , 2007, , .		2
95	A Database of Non-Manual Signs in Turkish Sign Language. , 2007, , .		26
96	Sign Language Processing and Interactive Tools for Sign Language Education. , 2007, , .		3
97	Robust 2D/3D Face Landmarking. , 2007, , .		4
98	Surveillance Wireless Sensor Networks: Deployment Quality Analysis. IEEE Network, 2007, 21, 48-53.	4.9	85
99	Learning the best subset of local features for face recognition. Pattern Recognition, 2007, 40, 1520-1532.	5.1	24
100	Robust facial landmarking for registration. Annales Des Telecommunications/Annals of Telecommunications, 2007, 62, 83-108.	1.6	19
101	Coverage in Sensor Networks When Obstacles Are Present. , 2006, , .		6
102	3D shape-based face representation and feature extraction for face recognition. Image and Vision Computing, 2006, 24, 857-869.	2.7	79
103	Speaker-independent 3D face synthesis driven by speech and text. Signal Processing, 2006, 86, 2932-2951.	2.1	7
104	2D/3D facial feature extraction. , 2006, 6064, 441.		7
105	Recognizing Two Handed Gestures with Generative, Discriminative and Ensemble Methods Via Fisher Kernels. Lecture Notes in Computer Science, 2006, , 159-166.	1.0	12
106	3D Facial Feature Localization for Registration. Lecture Notes in Computer Science, 2006, , 338-345.	1.0	21
107	Selection and Extraction of Patch Descriptors for 3D Face Recognition. Lecture Notes in Computer Science, 2005, , 718-727.	1.0	2
108	Rank-Based Decision Fusion for 3D Shape-Based Face Recognition. Lecture Notes in Computer Science, 2005, , 1019-1028.	1.0	43

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109	A selective attention-based method for visual pattern recognition with application to handwritten digit recognition and face recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2002, 24, 420-425.	9.7	107
110	A fuzzy algorithm for color quantization of images. Pattern Recognition, 2002, 35, 1785-1791.	5.1	116
111	Teaching Interactive Media Design. International Journal of Technology and Design Education, 2002, 12, 161-171.	1.7	13
112	Fuzzy algorithms for combined quantization and dithering. IEEE Transactions on Image Processing, 2001, 10, 923-931.	6.0	47
113	Mathematics and Design Education. Design Issues, 2001, 17, 26-34.	0.2	4
114	Fuzzy error diffusion. IEEE Transactions on Image Processing, 2000, 9, 683-690.	6.0	8
115	Color quantization with genetic algorithms. Signal Processing: Image Communication, 1998, 12, 49-57.	1.8	12
116	Adaptive methods for dithering color images. IEEE Transactions on Image Processing, 1997, 6, 950-955.	6.0	47
117	Modified quantisation algorithm for dithering of colour images. Electronics Letters, 1996, 32, 1185.	0.5	5
118	Decimated rank-order filtering. IEEE Transactions on Signal Processing, 1994, 42, 835-845.	3.2	7
119	Adaptive decimated median filtering. Pattern Recognition Letters, 1992, 13, 57-62.	2.6	7
120	Robust 3D Face Identification in the Presence of Occlusions. Advances in Computational Intelligence and Robotics Book Series, 0, , 124-146.	0.4	0