Hichem Sahli

List of Publications by Year
in descending order

71	1,197	516215 16	552369 26
papers	citations	h-index	g-index

74	74	74	1106
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multimodal Affective Dimension Prediction Using Deep Bidirectional Long Short-Term Memory Recurrent Neural Networks. , 2015, , .		102
2	Multimodal Measurement of Depression Using Deep Learning Models. , 2017, , .		100
3	Decision Tree Based Depression Classification from Audio Video and Language Information. , 2016, , .		83
4	Investigation of Timeâ€“Frequency Features for GPR Landmine Discrimination. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 118-129.	2.7	76
5	A Stochastic Framework for the Identification of Building Rooftops Using a Single Remote Sensing Image. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 259-271.	2.7	70
6	Integrating Deep and Shallow Models for Multi-Modal Depression Analysisâ€”Hybrid Architectures. IEEE Transactions on Affective Computing, 2021, 12, 239-253.	5.7	59
7	Lectin-Glycan Interaction Network-Based Identification of Host Receptors of Microbial Pathogenic Adhesins. MBio, 2016, 7, .	1.8	48
8	Automatic Depression Analysis Using Dynamic Facial Appearance Descriptor and Dirichlet Process Fisher Encoding. IEEE Transactions on Multimedia, 2019, 21, 1476-1486.	5.2	42
9	Transformer Encoder With Multi-Modal Multi-Head Attention for Continuous Affect Recognition. IEEE Transactions on Multimedia, 2021, 23, 4171-4183.	5.2	37
10	Infrared Thermography for Buried Landmine Detection: Inverse Problem Setting. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 3987-4004.	2.7	36
11	A Robust Actin Filaments Image Analysis Framework. PLoS Computational Biology, 2016, 12, e1005063.	1.5	36
12	Objectifying Facial Expressivity Assessment of Parkinsonâ€™s Patients: Preliminary Study. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-12.	0.7	33
13	Multimodal depression recognition with dynamic visual and audio cues. , 2015, , .		33
14	Single yeast cell nanomotions correlate with cellular activity. Science Advances, 2020, 6, eaba3139.	4.7	25
15	Continuous Change Detection and Classification Using Hidden Markov Model: A Case Study for Monitoring Urban Encroachment onto Farmland in Beijing. Remote Sensing, 2015, 7, 15318-15339.	1.8	24
16	DCNN and DNN based multi-modal depression recognition. , 2017, , .		23
17	Multi-View CNN-LSTM Architecture for Radar-Based Human Activity Recognition. IEEE Access, 2022, 10, 24509-24519.	2.6	23
18	GestureVLAD: Combining Unsupervised Features Representation and Spatio-Temporal Aggregation for Doppler-Radar Gesture Recognition. IEEE Access, 2019, 7, 137122-137135.	2.6	22

#	Article	IF	Citations
19	Efficient Spatial Temporal Convolutional Features for Audiovisual Continuous Affect Recognition. , 2019, , .		21
20	Multipath Ghost Recognition for Indoor MIMO Radar. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	2.7	18
21	Millimeter wave inspection of concealed objects. Microwave and Optical Technology Letters, 2007, 49, 2733-2737.	0.9	17
22	Radar-camera Fusion for Road Target Classification. , 2020, , .		17
23	A Nonlinear Iterative Reconstruction and Analysis Approach to Shape-Based Approximate Electromagnetic Tomography. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 1558-1574.	2.7	16
24	Micro-Doppler feature extraction using convolutional auto-encoders for low latency target classification. , 2017, , .		16
25	Multimodal dimensional affect recognition using deep bidirectional long short-term memory recurrent neural networks. , 2015, , .		15
26	On the Generalization and Reliability of Single Radar-Based Human Activity Recognition. IEEE Access, 2021, 9, 85334-85349.	2.6	12
27	Context-Aware Human Trajectories Prediction via Latent Variational Model. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1876-1889.	5.6	12
28	Detection and characterization of buried landmines using infrared thermography. Inverse Problems in Science and Engineering, 2011, 19, 281-307.	1.2	11
29	SVRG-MKL: A Fast and Scalable Multiple Kernel Learning Solution for Features Combination in Multi-Class Classification Problems. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1710-1723.	7.2	11
30	Speech driven photo realistic facial animation based on an articulatory DBN model and AAM features. Multimedia Tools and Applications, 2014, 73, 397-415.	2.6	9
31	An efficient model-level fusion approach for continuous affect recognition from audiovisual signals. Neurocomputing, 2020, 376, 42-53.	3.5	9
32	Statistical parametrization of cell cytoskeleton reveals lung cancer cytoskeletal phenotype with partial EMT signature. Communications Biology, 2022, 5, 407.	2.0	8
33	Relevance units machine based dimensional and continuous speech emotion prediction. Multimedia Tools and Applications, 2015, 74, 9983-10000.	2.6	7
34	A New Framework for Modelling and Monitoring the Conversion of Cultivated Land to Built-up Land Based on a Hierarchical Hidden Semi-Markov Model Using Satellite Image Time Series. Remote Sensing, 2019, 11, 210.	1.8	7
35	Continuous affect recognition with weakly supervised learning. Multimedia Tools and Applications, 2019, 78, 19387-19412.	2.6	7
36	Tele-robot with shared autonomy: Distributed navigation development framework. Integrated Computer-Aided Engineering, 2006, 13, 329-345.	2.5	6

#	Article	IF	Citations
37	Multispectral Image Fusion for Active Millimeter Wave Imaging Application. , 2008, , .		6
38	A High Efficient System for Traffic Mean Speed Estimation from MPEG Video. , 2009, , .		6
39	Gibberish speech as a tool for the study of affective expressiveness for robotic agents. Multimedia Tools and Applications, 2015, 74, 9959-9982.	2.6	6
40	A Hierarchical Association Framework for Multi-Object Tracking in Airborne Videos. Remote Sensing, 2018, 10, 1347.	1.8	6
41	A video prediction approach for animating single face image. Multimedia Tools and Applications, 2019, 78, 16389-16410.	2.6	6
42	Learning Salient Segments for Speech Emotion Recognition Using Attentive Temporal Pooling. IEEE Access, 2020, 8, 151740-151752.	2.6	6
43	A multi-scale multi-attention network for dynamic facial expression recognition. Multimedia Systems, 2022, 28, 479-493.	3.0	6
44	Recognition of facial actions and their temporal segments based on duration models. Multimedia Tools and Applications, 2015, 74, 10001-10024.	2.6	5
45	Vehicles detection using GF-2 imagery based on watershed image segmentation. , 2016, , .		5
46	Leveraging the Bayesian Filtering Paradigm for Vision-Based Facial Affective State Estimation. IEEE Transactions on Affective Computing, 2018, 9, 463-477.	5.7	5
47	Monocular 3D Facial Expression Features for Continuous Affect Recognition. IEEE Transactions on Multimedia, 2021, 23, 3540-3550.	5.2	5
48	A biomechanical model for image-based estimation of 3D face deformations. , 2008, , .		4
49	A Decoupled Control for Visual Servoing of Camera-in-Hand Robot with 2D Movement. , 2008, , .		4
50	Monocular 3D facial information retrieval for automated facial expression analysis. , 2015, , .		4
51	Simple solution for visual servoing of camera-in-hand robots in the 3d Cartesian space. , 2008, , .		3
52	Smooth adaptive fitting of 3D face model for the estimation of rigid and nonrigid facial motion in video sequences. Signal Processing: Image Communication, 2011, 26, 550-566.	1.8	3
53	Efficient Learning of Spatial Patterns with Multi-Scale Conditional Random Fields for Region-Based Classification. Remote Sensing, 2014, 6, 6727-6764.	1.8	3
54	Improving unsupervised flood detection with spatio-temporal context on HJ-1B CCD data. , 2016, , .		3

#	Article	IF	Citations
55	Leveraging the Deep Learning Paradigm for Continuous Affect Estimation from Facial Expressions. IEEE Transactions on Affective Computing, 2022, 13, 426-439.	5.7	3
56	Neural architecture search under black-box objectives with deep reinforcement learning and increasingly-sparse rewards. , 2020, , .		3
57	CoRoBA, an Open Framework for Multi-Sensor Robotic System Integration. , 0, , .		2
58	Oriented Polar Snakes for Phase Contrast Cell Images Segmentation. Lecture Notes in Computer Science, 2013, , 25-32.	1.0	2
59	Region Attentive Action Unit Intensity Estimation With Uncertainty Weighted Multi-Task Learning. IEEE Transactions on Affective Computing, 2023, 14, 2033-2047.	5.7	2
60	Estimation of piecewise constant coefficients of parabolic equations: applications to the detection of buried objects. Inverse Problems in Science and Engineering, 2008, 16, 903-925.	1.2	1
61	Hardware and software architecture for AUV based on low-cost sensors. , 2010, , .		1
62	Adaptive nonlinear probabilistic filter for Positron Emission Tomography. , 2012, , .		1
63	Augmented Lagrangianâ€based approach for dense threeâ€dimensional structure and motion estimation from binocular image sequences. IET Computer Vision, 2014, 8, 98-109.	1.3	1
64	Action Unit Driven Facial Expression Synthesis from a Single Image with Patch Attentive GAN. Computer Graphics Forum, 2021, 40, 47-61.	1.8	1
65	Multi-Radar Fusion for Failure-tolerant Vulnerable Road Users Classification. , 2022, , .		1
66	A framework for integrating MPEG-7 knowledge templates into video surveillance applications. , 2006, , .		0
67	Backward-Forward Combined Convolutive Blind Source Separation. , 2008, , .		0
68	Passive infrared technique for buried object detection and classification. , 2011, , .		0
69	Object Segmentation Based on Contour-Skeleton Duality. , 2014, , .		0
70	Compressive Tracking based on Superpixel Segmentation. , 2016, , .		0
71	Agricultural fields classification in semi-arid central Tunisia using SPOT 7 image. , 2016, , .		0