Md. Atiqur Rahman Ahad

List of Publications by Year
in descending order

59 papers	1,080 citations	623734 14 h-index	552781 26 g-index
63 all docs	63 docs citations	63 times ranked	857 citing authors

#	Article	IF	Citations
1	Automated Detection Approaches to Autism Spectrum Disorder Based on Human Activity Analysis: A Review. Cognitive Computation, 2022, 14, 1773-1800.	5.2	6
2	Emotion Recognition From EEG Signal Focusing on Deep Learning and Shallow Learning Techniques. IEEE Access, 2021, 9, 94601-94624.	4.2	77
3	Action recognition using kinematics posture feature on 3D skeleton joint locations. Pattern Recognition Letters, 2021, 145, 216-224.	4.2	43
4	Static postural transition-based technique and efficient feature extraction for sensor-based activity recognition. Pattern Recognition Letters, 2021, 147, 25-33.	4.2	5
5	An AI-Based Visual Aid With Integrated Reading Assistant for the Completely Blind. IEEE Transactions on Human-Machine Systems, 2020, 50, 507-517.	3.5	60
6	A Method for Sensor-Based Activity Recognition in Missing Data Scenario. Sensors, 2020, 20, 3811.	3.8	21
7	Wearable Sensor-Based Gait Analysis for Age and Gender Estimation. Sensors, 2020, 20, 2424.	3.8	35
8	Vision and Sensor-Based Human Activity Recognition. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2020, , 17-35.	0.5	14
9	Human activity recognition using earable device. , 2019, , .		28
10	Position independent activity recognition using shallow neural architecture and empirical modeling. , 2019, , .		7
11	OU-ISIR Wearable Sensor-based Gait Challenge: Age and Gender. , 2019, , .		14
12	POIDEN. , 2019, , .		14
13	Activity representation by SURF-based templates. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2018, 6, 573-583.	1.9	3
14	A Study on Sensor-based Activity Recognition Having Missing Data. , 2018, , .		11
15	A Study on DSR Routing Protocol in Adhoc Network for Daily Activities of Elderly Living. , 2018, , .		3
16	DU-MD: An Open-Source Human Action Dataset for Ubiquitous Wearable Sensors. , 2018, , .		18
17	Activity Recognition for Health-care and Related Works. , 2018, , .		3
18	A Comparative Approach to Classification of Locomotion and Transportation Modes Using Smartphone Sensor Data. , 2018, , .		28

#	Article	IF	Citations
19	Activity Recognition by Using LoRaWAN Sensor. , 2018, , .		29
20	Study of LoRaWAN Technology for Activity Recognition. , 2018, , .		12
21	Supervised and Neural Classifiers for Locomotion Analysis. , 2018, , .		5
22	Development of an 8DOF quadruped robot and implementation of Inverse Kinematics using Denavit-Hartenberg convention. Heliyon, 2018, 4, e01053.	3.2	26
23	Advancements of Image Processing and Vision in Healthcare. Journal of Healthcare Engineering, 2018, 2018, 1-3.	1.9	16
24	Feature Extraction, Performance Analysis and System Design Using the DU Mobility Dataset. IEEE Access, 2018, 6, 44776-44786.	4.2	23
25	An Optimized Structure for Enhancing Optical Absorption of Solar Energy in Elliptical GaAs Nanowire Array Solar Cell. Jurnal Kejuruteraan, 2018, 30, 1-6.	0.3	3
26	Face recognition-based real-time system for surveillance. Intelligent Decision Technologies, 2017, 11, 79-92.	0.9	17
27	Visual face scanning and emotion perception analysis between autistic and typically developing children. , 2017, , .		17
28	Impact of angular spread on massive MIMO channel estimation. , 2016, , .		8
29	Effect of exponential correlation model on channel estimation for massive MIMO. , 2016, , .		10
30	Performance evaluation of a two-stage clustering technique for time-series data. , 2016, , .		4
31	Action recognition based on binary patterns of action-history and histogram of oriented gradient. Journal on Multimodal User Interfaces, 2016, 10, 335-344.	2.9	24
32	Pedestrian activity classification using patterns of motion and histogram of oriented gradient. Journal on Multimodal User Interfaces, 2016, 10, 299-305.	2.9	11
33	A novel method of organisation of a software defined network control system. , 2015, , .		1
34	A hardware approach for organisation of software defined network switches based on FPGA. , 2015, , .		2
35	An adaptive distance-based edge preserving interpolation algorithm for natural images. , 2015, , .		1
36	Human Action Recognition based on Spectral Domain Features. Procedia Computer Science, 2015, 60, 430-437.	2.0	9

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37	Enhanced absorption of solar energy in elliptical GaAs nanowire array solar cells. , 2015, , .		0
38	An efficient edge preserving image interpolation algorithm. , 2014, , .		6
39	A study of Solar Home System in Bangladesh: Current status, future prospect and constraints. , 2014, , .		11
40	Action recognition based on statistical analysis from clustered flow vectors. Signal, Image and Video Processing, 2014, 8, 243-253.	2.7	21
41	Inverse Kinematics solution for a 3DOF robotic structure using Denavit-Hartenberg Convention. , 2014, , .		7
42	A hybrid biometric approach embedding DNA data in fingerprint images. , 2014, , .		6
43	Molecular classification of Newcastle disease virus based on degree of virulence. , 2014, , .		0
44	Action Recognition by Exploiting Wavelet Features. International Journal of Intelligent Computing in Medical Sciences and Image Processing, 2014, 6, 79-91.	0.5	1
45	A template matching approach of one-shot-learning gesture recognition. Pattern Recognition Letters, 2013, 34, 1780-1788.	4.2	77
46	A Multi-resolution Action Recognition Algorithm Using Wavelet Domain Features. , 2013, , .		1
47	Webcam-Based Accurate Eye-Central Localization. , 2013, , .		2
48	Temporal segmentation of gestures using gradient orientation of depth images. , 2013, , .		1
49	Motion clustering-based action recognition technique using optical flow. , 2012, , .		2
50	Motion history image: its variants and applications. Machine Vision and Applications, 2012, 23, 255-281.	2.7	234
51	Lower-Dimensional Feature Sets for Template-Based Motion Recognition Approaches. Journal of Computer Science, 2010, 6, 920-927.	0.6	5
52	Temporal motion recognition and segmentation approach. International Journal of Imaging Systems and Technology, 2009, 19, 91-99.	4.1	19
53	Human activity recognition: Various paradigms. , 2008, , .		47
54	Action recognition with various speeds and timed-DMHI feature vectors. , 2008, , .		3

#	Article	IF	Citations
55	Template-based human motion recognition for complex activities. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	4
56	Moment-based human motion recognition from the representation of DMHI templates. , 2008, , .		5
57	Solutions to motion self-occlusion problem in human activity analysis. , 2008, , .		4
58	Performance of Multi-directional MHI for Human Motion Recognition in the Presence of Outliers. , 2007, , .		5
59	Comparative analysis between two view-based methods: MHI and DMHI. , 2007, , .		0