

# Ana-Maria Cretu

## List of Publications by Year in descending order

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33  
papers

486  
citations

1163117

8  
h-index

839539

18  
g-index

33  
all docs

33  
docs citations

33  
times ranked

536  
citing authors

#	ARTICLE	IF	CITATIONS
1	Static and Dynamic Hand Gesture Recognition in Depth Data Using Dynamic Time Warping. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 305-316.	4.7	217
2	Multimodal Bio-Inspired Tactile Sensing Module. IEEE Sensors Journal, 2017, 17, 3231-3243.	4.7	42
3	Wearable Sensor Data Classification for Human Activity Recognition Based on an Iterative Learning Framework. Sensors, 2017, 17, 1287.	3.8	27
4	Snow Loss Prediction for Photovoltaic Farms Using Computational Intelligence Techniques. IEEE Journal of Photovoltaics, 2020, 10, 1044-1052.	2.5	26
5	Assessing neural networks for sensor fault detection. , 2014, , .		24
6	Multimodal Bio-Inspired Tactile Sensing Module for Surface Characterization. Sensors, 2017, 17, 1187.	3.8	24
7	Systematic photovoltaic system power losses calculation and modeling using computational intelligence techniques. Applied Energy, 2021, 284, 116396.	10.1	16
8	Natural human-computer interaction using static and dynamic hand gestures. , 2015, , .		12
9	Object Recognition From Haptic Glance at Visually Salient Locations. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 672-682.	4.7	11
10	Acquisition and Neural Network Prediction of 3D Deformable Object Shape Using a Kinect and a Force-Torque Sensor. Sensors, 2017, 17, 1083.	3.8	10
11	Building Detection in Aerial Images Based on Watershed and Visual Attention Feature Descriptors. , 2013, , .		9
12	Transfer of Learning from Vision to Touch: A Hybrid Deep Convolutional Neural Network for Visuo-Tactile 3D Object Recognition. Sensors, 2021, 21, 113.	3.8	8
13	Enhanced Visual-Attention Model for Perceptually Improved 3D Object Modeling in Virtual Environments. 3D Research, 2016, 7, 1.	1.8	7
14	Particle swarm optimisation-based model and analysis of photovoltaic module characteristics in snowy conditions. IET Renewable Power Generation, 2019, 13, 1950-1957.	3.1	7
15	Perceptually Improved 3D Object Representation Based on Guided Adaptive Weighting of Feature Channels of a Visual-Attention Model. 3D Research, 2018, 9, 1.	1.8	6
16	3D object modeling with neural gas based selective densification of surface meshes. , 2014, , .		5
17	PSO-Based Modeling and Analysis of Electrical Characteristics of Photovoltaic Module Under Nonuniform Snow Patterns. IEEE Access, 2020, 8, 197484-197498.	4.2	5
18	Systematic Analysis and Computational Intelligence Based Modeling of Photovoltaic Power Generation in Snow Conditions. IEEE Journal of Photovoltaics, 2022, 12, 406-420.	2.5	5

#	ARTICLE	IF	CITATIONS
19	Tactile Profile Classification Using a Multimodal MEMs-Based Sensing Module. Proceedings (mdpi), 2017, 1, 27.	0.2	4
20	An Application of Deep Learning to Tactile Data for Object Recognition under Visual Guidance. Sensors, 2019, 19, 1534.	3.8	4
21	Adaptive Weighting with SMOTE for Learning from Imbalanced Datasets: A Case Study for Traffic Offence Prediction. , 2018, , .		3
22	A Visuo-Haptic Framework for Object Recognition Inspired by Human Tactile Perception. Proceedings (mdpi), 2019, 4, 47.	0.2	3
23	Computational Methods for Selective Acquisition of Depth Measurements in Machine Perception. , 2013, , .		2
24	3D object recognition from tactile data acquired at salient points. , 2017, , .		2
25	Selectively-densified mesh construction for virtual environments using salient points derived from a computational model of visual attention. , 2017, , .		2
26	A Virtual Tactile Sensor with Adjustable Precision and Size for Object Recognition. , 2018, , .		2
27	A 3D Visual Attention Model to Guide Tactile Data Acquisition for Object Recognition. Proceedings (mdpi), 2018, 2, 142.	0.2	1
28	End-Effector Approach Flexibilization in a Surface Approximation Task Using a Bioinspired Tactile Sensing Module. , 2019, , .		1
29	Computational Intelligence Based Snow Cover Prediction for Photovoltaic Systems. , 2021, , .		1
30	Evolving sensor environments with visual attention: An experimental exploration. , 2012, , .		0
31	In-hand object material characterization with fast level set in log-polar domain and dynamic time warping. , 2017, , .		0
32	A Framework for Collision Prediction Using Historical Accident Information and Real-time Sensor Data: A Case Study for the City of Ottawa. , 2019, , .		0
33	Real-Time Posture Control for a Robotic Manipulator Using Natural Human-Computer Interaction. Proceedings (mdpi), 2018, 4, .	0.2	0