

# Mircea Nicolescu

## 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.

35  
papers

340  
citations

11  
h-index

17  
g-index

45  
ext. papers

401  
ext. citations

2.9  
avg, IF

3.05  
L-index

#	Paper	IF	Citations
35	Early Classification of Intent for Maritime Domains Using Multinomial Hidden Markov Models. <i>Frontiers in Artificial Intelligence</i> , <b>2021</b> , 4, 702153	3	
34	Active Eye-in-Hand Data Management to Improve the Robotic Object Detection Performance. <i>Computers</i> , <b>2019</b> , 8, 71	1.9	2
33	Active Object Detection Through Dynamic Incorporation of Dempster-Shafer Fusion for Robotic Applications <b>2018</b> ,		1
32	A real-time spike-timing classifier of spatio-temporal patterns. <i>Neurocomputing</i> , <b>2018</b> , 311, 183-196	5.4	3
31	Using patterns of firing neurons in spiking neural networks for learning and early recognition of spatio-temporal patterns. <i>Neural Computing and Applications</i> , <b>2017</b> , 28, 881-897	4.8	7
30	A modified steady state genetic algorithm suitable for fast pipelined hardware <b>2017</b> ,		1
29	A distributed control architecture for collaborative multi-robot task allocation <b>2017</b> ,		4
28	A Scale and Translation Invariant Approach for Early Classification of Spatio-Temporal Patterns Using Spiking Neural Networks. <i>Neural Processing Letters</i> , <b>2016</b> , 43, 327-343	2.4	6
27	A compact task representation for hierarchical robot control <b>2016</b> ,		6
26	Tensor Voting Extraction of Vessel Centerlines from Cerebral Angiograms. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 35-44	0.9	
25	A biologically inspired approach to learning spatio-temporal patterns <b>2015</b> ,		1
24	Intent Understanding Using an Activation Spreading Architecture. <i>Robotics</i> , <b>2015</b> , 4, 284-315	2.8	1
23	Scale and translation invariant learning of spatio-temporal patterns using longest common subsequences and spiking neural networks <b>2015</b> ,		4
22	An Unsupervised Approach to Learning and Early Detection of Spatio-Temporal Patterns Using Spiking Neural Networks. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2015</b> , 80, 83-97	2.9	11
21	Unsupervised Learning of Spatio-temporal Patterns Using Spike Timing Dependent Plasticity. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 254-257	0.9	8
20	An Extended Local Binary Pattern for Gender Classification <b>2013</b> ,		5
19	Human Body Parts Tracking Using Torso Tracking: Applications to Activity Recognition <b>2012</b> ,		6

18	Context-Based Bayesian Intent Recognition. <i>IEEE Transactions on Autonomous Mental Development</i> , <b>2012</b> , 4, 215-225		18
17	Improving hand-based verification through online finger template update based on fused confidences <b>2009</b> ,		4
16	Improving target detection by coupling it with tracking. <i>Machine Vision and Applications</i> , <b>2009</b> , 20, 205-223		15
15	Non-parametric statistical background modeling for efficient foreground region detection. <i>Machine Vision and Applications</i> , <b>2009</b> , 20, 395-409	2.8	45
14	An iterative multi-scale tensor voting scheme for perceptual grouping of natural shapes in cluttered backgrounds. <i>Computer Vision and Image Understanding</i> , <b>2009</b> , 113, 126-149	4.3	24
13	Hand-based verification and identification using palm/finger segmentation and fusion. <i>Computer Vision and Image Understanding</i> , <b>2009</b> , 113, 477-501	4.3	24
12	Ground Truth Verification Tool (GTVT) for Video Surveillance Systems <b>2009</b> ,		15
11	Gender classification from hand shape <b>2008</b> ,		27
10	A SUPPORT VECTOR DATA DESCRIPTION APPROACH FOR BACKGROUND MODELING IN VIDEOS WITH QUASI-STATIONARY BACKGROUNDS. <i>International Journal on Artificial Intelligence Tools</i> , <b>2008</b> , 17, 635-658	0.9	8
9	AN ARCHITECTURE FOR UNDERSTANDING INTENT USING A NOVEL HIDDEN MARKOV FORMULATION. <i>International Journal of Humanoid Robotics</i> , <b>2008</b> , 05, 203-224	1.2	14
8	Feature Fusion Hierarchies for gender classification <b>2008</b> ,		8
7	RECOGNIZING SIMPLE HUMAN ACTIONS USING 3D HEAD MOVEMENT. <i>Computational Intelligence</i> , <b>2007</b> , 23, 484-496	2.5	6
6	A Component-Based Approach to Hand Verification <b>2007</b> ,		4
5	A voting-based computational framework for visual motion analysis and interpretation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2005</b> , 27, 739-52	13.3	23
4	Visual Hull Construction Using Adaptive Sampling <b>2005</b> ,		10
3	Accurate and Efficient Computation of High Order Zernike Moments. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 462-469	0.9	25
2	Automatic Robust Background Modeling Using Multivariate Non-parametric Kernel Density Estimation for Visual Surveillance. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 363-370	0.9	4
1	A one-shot next best view system for active object recognition. <i>Applied Intelligence</i> , 1	4.9	0

