Monica Nicolescu

List of Publications by Citations

36 papers	239 citations	8 h-index	13 g-index
41 ext. papers	291 ext. citations	2.6 avg, IF	2.86 L-index

#	Paper	IF	Citations
36	Non-parametric statistical background modeling for efficient foreground region detection. *Machine Vision and Applications*, **2009**, 20, 395-409	2.8	45
35	Context-Based Bayesian Intent Recognition. *IEEE Transactions on Autonomous Mental Development*, **2012**, 4, 215-225		18
34	Improving target detection by coupling it with tracking. *Machine Vision and Applications*, **2009**, 20, 205-223	2.8	15
33	AN ARCHITECTURE FOR UNDERSTANDING INTENT USING A NOVEL HIDDEN MARKOV FORMULATION. *International Journal of Humanoid Robotics*, **2008**, 05, 203-224	1.2	14
32	An Unsupervised Approach to Learning and Early Detection of Spatio-Temporal Patterns Using Spiking Neural Networks. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2015**, 80, 83-97	2.9	11
31	Using CIGAR for finding effective group behaviors in RTS game **2013**,		10
30	An Edge-Less Approach to Horizon Line Detection **2015**,		10
29	Multiple Sequence Alignment using Fuzzy Logic **2007**,		10
28	A SUPPORT VECTOR DATA DESCRIPTION APPROACH FOR BACKGROUND MODELING IN VIDEOS WITH QUASI-STATIONARY BACKGROUNDS. *International Journal on Artificial Intelligence Tools*, **2008**, 17, 635-658	0.9	8
27	Unsupervised Learning of Spatio-temporal Patterns Using Spike Timing Dependent Plasticity. *Lecture Notes in Computer Science*, **2014**, 254-257	0.9	8
26	A Vision-Based Architecture for Intent Recognition **2007**, 173-182		8
25	Using patterns of firing neurons in spiking neural networks for learning and early recognition of spatio-temporal patterns. *Neural Computing and Applications*, **2017**, 28, 881-897	4.8	7
24	Fusion of edge-less and edge-based approaches for horizon line detection **2015**,		7
23	A TRAINING SIMULATION SYSTEM WITH REALISTIC AUTONOMOUS SHIP CONTROL. *Computational Intelligence*, **2007**, 23, 497-516	2.5	7
22	Socially-Aware Navigation Using Non-Linear Multi-Objective Optimization **2018**,		7
21	A Scale and Translation Invariant Approach for Early Classification of Spatio-Temporal Patterns Using Spiking Neural Networks. *Neural Processing Letters*, **2016**, 43, 327-343	2.4	6
20	RECOGNIZING SIMPLE HUMAN ACTIONS USING 3D HEAD MOVEMENT. *Computational Intelligence*, **2007**, 23, 484-496	2.5	6

19	A compact task representation for hierarchical robot control **2016**,		6
18	An Extended Local Binary Pattern for Gender Classification **2013**,		5
17	A distributed control architecture for collaborative multi-robot task allocation **2017**,		4
16	Scale and translation invariant learning of spatio-temporal patterns using longest common subsequences and spiking neural networks **2015**,		4
15	A Behavior-Based Architecture for Realistic Autonomous Ship Control **2006**,		4
14	A fuzzy classifier to taxonomically group DNA fragments within a metagenome **2008**,		3
13	A real-time spike-timing classifier of spatio-temporal patterns. *Neurocomputing*, **2018**, 311, 183-196	5.4	3
12	Comparing heuristic search methods for finding effective group behaviors in RTS game **2013**,		2
11	Horizon line detection using supervised learning and edge cues. *Computer Vision and Image Understanding*, **2020**, 191, 102879	4.3	2
10	Active Eye-in-Hand Data Management to Improve the Robotic Object Detection Performance. *Computers*, **2019**, 8, 71	1.9	2
9	Socially Aware Navigation: A Non-linear Multi-objective Optimization Approach. *ACM Transactions on Interactive Intelligent Systems*, **2021**, 11, 1-26	1.8	2
8	A biologically inspired approach to learning spatio-temporal patterns **2015**,		1
7	Intent Understanding Using an Activation Spreading Architecture. *Robotics*, **2015**, 4, 284-315	2.8	1
6	Real-world implementation of an Auction Behavior-Based Robotic Architecture (ABBRA) **2012**,		1
5	Fuzzy Classification of Genome Sequences Prior to Assembly Based on Similarity Measures **2007**,		1
4	Active Object Detection Through Dynamic Incorporation of Dempster-Shafer Fusion for Robotic Applications **2018**,		1
3	A one-shot next best view system for active object recognition. *Applied Intelligence*,1	4.9	0
2	Early Classification of Intent for Maritime Domains Using Multinomial Hidden Markov Models. *Frontiers in Artificial Intelligence*, **2021**, 4, 702153	3	

1 Intent Recognition in a Simulated Maritime Multi-agent Domain. *Lecture Notes in Computer Science*, **2015**, 158-170 0.9