

Mircea Nicolescu

List of Publications by Citations

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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 | Non-parametric statistical background modeling for efficient foreground region detection. <i>Machine Vision and Applications</i> , 2009 , 20, 395-409 | 2.8 | 45 |
| 34 | Gender classification from hand shape 2008 , | | 27 |
| 33 | Accurate and Efficient Computation of High Order Zernike Moments. <i>Lecture Notes in Computer Science</i> , 2005 , 462-469 | 0.9 | 25 |
| 32 | An iterative multi-scale tensor voting scheme for perceptual grouping of natural shapes in cluttered backgrounds. <i>Computer Vision and Image Understanding</i> , 2009 , 113, 126-149 | 4.3 | 24 |
| 31 | Hand-based verification and identification using palm finger segmentation and fusion. <i>Computer Vision and Image Understanding</i> , 2009 , 113, 477-501 | 4.3 | 24 |
| 30 | A voting-based computational framework for visual motion analysis and interpretation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2005 , 27, 739-52 | 13.3 | 23 |
| 29 | Context-Based Bayesian Intent Recognition. <i>IEEE Transactions on Autonomous Mental Development</i> , 2012 , 4, 215-225 | | 18 |
| 28 | Improving target detection by coupling it with tracking. <i>Machine Vision and Applications</i> , 2009 , 20, 205-223 | | 15 |
| 27 | Ground Truth Verification Tool (GTVT) for Video Surveillance Systems 2009 , | | 15 |
| 26 | AN ARCHITECTURE FOR UNDERSTANDING INTENT USING A NOVEL HIDDEN MARKOV FORMULATION. <i>International Journal of Humanoid Robotics</i> , 2008 , 05, 203-224 | 1.2 | 14 |
| 25 | 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> , 2015 , 80, 83-97 | 2.9 | 11 |
| 24 | Visual Hull Construction Using Adaptive Sampling 2005 , | | 10 |
| 23 | A SUPPORT VECTOR DATA DESCRIPTION APPROACH FOR BACKGROUND MODELING IN VIDEOS WITH QUASI-STATIONARY BACKGROUNDS. <i>International Journal on Artificial Intelligence Tools</i> , 2008 , 17, 635-658 | 0.9 | 8 |
| 22 | Feature Fusion Hierarchies for gender classification 2008 , | | 8 |
| 21 | Unsupervised Learning of Spatio-temporal Patterns Using Spike Timing Dependent Plasticity. <i>Lecture Notes in Computer Science</i> , 2014 , 254-257 | 0.9 | 8 |
| 20 | Using patterns of firing neurons in spiking neural networks for learning and early recognition of spatio-temporal patterns. <i>Neural Computing and Applications</i> , 2017 , 28, 881-897 | 4.8 | 7 |
| 19 | A Scale and Translation Invariant Approach for Early Classification of Spatio-Temporal Patterns Using Spiking Neural Networks. <i>Neural Processing Letters</i> , 2016 , 43, 327-343 | 2.4 | 6 |

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|----|--|-----|---|
| 18 | Human Body Parts Tracking Using Torso Tracking: Applications to Activity Recognition 2012, | | 6 |
| 17 | RECOGNIZING SIMPLE HUMAN ACTIONS USING 3D HEAD MOVEMENT. <i>Computational Intelligence,</i> 2007, 23, 484-496 | 2.5 | 6 |
| 16 | A compact task representation for hierarchical robot control 2016, | | 6 |
| 15 | An Extended Local Binary Pattern for Gender Classification 2013, | | 5 |
| 14 | A distributed control architecture for collaborative multi-robot task allocation 2017, | | 4 |
| 13 | Scale and translation invariant learning of spatio-temporal patterns using longest common subsequences and spiking neural networks 2015, | | 4 |
| 12 | Improving hand-based verification through online finger template update based on fused confidences 2009, | | 4 |
| 11 | A Component-Based Approach to Hand Verification 2007, | | 4 |
| 10 | Automatic Robust Background Modeling Using Multivariate Non-parametric Kernel Density Estimation for Visual Surveillance. <i>Lecture Notes in Computer Science,</i> 2005, 363-370 | 0.9 | 4 |
| 9 | A real-time spike-timing classifier of spatio-temporal patterns. <i>Neurocomputing,</i> 2018, 311, 183-196 | 5.4 | 3 |
| 8 | Active Eye-in-Hand Data Management to Improve the Robotic Object Detection Performance. <i>Computers,</i> 2019, 8, 71 | 1.9 | 2 |
| 7 | A modified steady state genetic algorithm suitable for fast pipelined hardware 2017, | | 1 |
| 6 | A biologically inspired approach to learning spatio-temporal patterns 2015, | | 1 |
| 5 | Intent Understanding Using an Activation Spreading Architecture. <i>Robotics,</i> 2015, 4, 284-315 | 2.8 | 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. <i>Applied Intelligence,</i> 1 | 4.9 | 0 |
| 2 | Early Classification of Intent for Maritime Domains Using Multinomial Hidden Markov Models. <i>Frontiers in Artificial Intelligence,</i> 2021, 4, 702153 | 3 | |
| 1 | Tensor Voting Extraction of Vessel Centerlines from Cerebral Angiograms. <i>Lecture Notes in Computer Science,</i> 2016, 35-44 | 0.9 | |

