

Mircea Nicolescu

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

478
citations

933264

10
h-index

839398

18
g-index

45
all docs

45
docs citations

45
times ranked

426
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-parametric statistical background modeling for efficient foreground region detection. Machine Vision and Applications, 2009, 20, 395-409.	1.7	55
2	Gender classification from hand shape. , 2008, , .		42
3	Hand-based verification and identification using palmâ€finger segmentation and fusion. Computer Vision and Image Understanding, 2009, 113, 477-501.	3.0	31
4	A voting-based computational framework for visual motion analysis and interpretation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 739-752.	9.7	30
5	An iterative multi-scale tensor voting scheme for perceptual grouping of natural shapes in cluttered backgrounds. Computer Vision and Image Understanding, 2009, 113, 126-149.	3.0	29
6	Context-Based Bayesian Intent Recognition. IEEE Transactions on Autonomous Mental Development, 2012, 4, 215-225.	2.3	25
7	AN ARCHITECTURE FOR UNDERSTANDING INTENT USING A NOVEL HIDDEN MARKOV FORMULATION. International Journal of Humanoid Robotics, 2008, 05, 203-224.	0.6	19
8	Ground Truth Verification Tool (GTVT) for Video Surveillance Systems. , 2009, , .		18
9	Improving target detection by coupling it with tracking. Machine Vision and Applications, 2009, 20, 205-223.	1.7	17
10	Visual Hull Construction Using Adaptive Sampling. , 2005, , .		16
11	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.	2.0	15
12	Feature Fusion Hierarchies for gender classification. , 2008, , .		13
13	Human Body Parts Tracking Using Torso Tracking: Applications to Activity Recognition. , 2012, , .		12
14	RECOGNIZING SIMPLE HUMAN ACTIONS USING 3D HEAD MOVEMENT. Computational Intelligence, 2007, 23, 484-496.	2.1	10
15	A distributed control architecture for collaborative multi-robot task allocation. , 2017, , .		10
16	A Component-Based Approach to Hand Verification. , 2007, , .		9
17	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.	0.7	9
18	A compact task representation for hierarchical robot control. , 2016, , .		9

#	ARTICLE	IF	CITATIONS
19	Unsupervised Learning of Spatio-temporal Patterns Using Spike Timing Dependent Plasticity. Lecture Notes in Computer Science, 2014, , 254-257.	1.0	9
20	Improving hand-based verification through online finger template update based on fused confidences. , 2009, , .		8
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.	2.0	8
22	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.	3.2	8
23	Automatic Robust Background Modeling Using Multivariate Non-parametric Kernel Density Estimation for Visual Surveillance. Lecture Notes in Computer Science, 2005, , 363-370.	1.0	7
24	An Extended Local Binary Pattern for Gender Classification. , 2013, , .		5
25	Scale and translation invariant learning of spatio-temporal patterns using longest common subsequences and spiking neural networks. , 2015, , .		5
26	A real-time spike-timing classifier of spatio-temporal patterns. Neurocomputing, 2018, 311, 183-196.	3.5	3
27	Active Eye-in-Hand Data Management to Improve the Robotic Object Detection Performance. Computers, 2019, 8, 71.	2.1	3
28	A biologically inspired approach to learning spatio-temporal patterns. , 2015, , .		2
29	Two-step Data Augmentation for Masked Face Detection and Recognition: Turning Fake Masks to Real. , 2022, , .		2
30	Context-based intent understanding using an Activation Spreading architecture. , 2015, , .		1
31	Intent Understanding Using an Activation Spreading Architecture. Robotics, 2015, 4, 284-315.	2.1	1
32	A modified steady state genetic algorithm suitable for fast pipelined hardware. , 2017, , .		1
33	Active Object Detection Through Dynamic Incorporation of Dempster-Shafer Fusion for Robotic Applications. , 2018, , .		1
34	A Surface and Appearance-based Next Best View System for Active Object Recognition. , 2021, , .		1
35	A one-shot next best view system for active object recognition. Applied Intelligence, 2022, 52, 5290-5309.	3.3	1
36	Early Classification of Intent for Maritime Domains Using Multinomial Hidden Markov Models. Frontiers in Artificial Intelligence, 2021, 4, 702153.	2.0	1

#	ARTICLE	IF	CITATIONS
37	Vision-based Assessment of Instructional Content on Golf Performance. , 2022, , .		1
38	Commentary Paper 2 on "Automatic Detection of Adverse Weather Conditions in Traffic Scenes". , 2008, , .		0
39	Commentary Paper on "Dynamic Models for People Detection and Tracking". , 2008, , .		0
40	Investigating how and when perceptual organization cues improve boundary detection in natural images. , 2008, , .		0
41	Commentary Paper 1 on "A Localized Approach to Abandoned Luggage Detection with Foreground-Mask Sampling". , 2008, , .		0
42	Commentary Paper 1 on "Action Signature: A Novel Holistic Representation for Action Recognition". , 2008, , .		0
43	Tensor Voting Extraction of Vessel Centerlines from Cerebral Angiograms. Lecture Notes in Computer Science, 2016, , 35-44.	1.0	0
44	Handling Ambiguous Object Recognition Situations in a Robotic Environment via Dynamic Information Fusion. , 2018, , .		0