Roseli A F Romero

List of Publications by Year
in descending order

87 papers	835 citations	1040056 9 h-index	610901 24 g-index
87 all docs	87 docs citations	87 times ranked	711 citing authors

#	Article	IF	Citations
1	A Gesture Based Interface for Human-Robot Interaction. Autonomous Robots, 2000, 9, 151-173.	4.8	259
2	SLOAM: Semantic Lidar Odometry and Mapping for Forest Inventory. IEEE Robotics and Automation Letters, 2020, 5, 612-619.	5.1	95
3	Particle competition for complex network community detection. Chaos, 2008, 18, 033107.	2.5	45
4	Activity Recognition for Ambient Assisted Living with Videos, Inertial Units and Ambient Sensors. Sensors, 2021, 21, 768.	3.8	36
5	Recognition of Human Motions for Imitation and Control of a Humanoid Robot. , 2012, , .		30
6	Large-Scale Autonomous Flight With Real-Time Semantic SLAM Under Dense Forest Canopy. IEEE Robotics and Automation Letters, 2022, 7, 5512-5519.	5.1	30
7	Selecting salient objects in real scenes: An oscillatory correlation model. Neural Networks, 2011, 24, 54-64.	5.9	25
8	Artificial Neural Networks and the Study of the Psychoactivity of Cannabinoid Compounds. Chemical Biology and Drug Design, 2010, 75, 632-640.	3.2	17
9	Wizard of Oz vs autonomous: Children's perception changes according to robot's operation condition. , 2017, , .		16
10	A neural networks study of quinone compounds with trypanocidal activity. Journal of Molecular Modeling, 2008, 14, 975-985.	1.8	14
11	Bio-inspired coordination of multiple robots systems and stigmergy mechanims to cooperative exploration and surveillance tasks. , 2011, , .		13
12	Generation of composed musical structures through recurrent neural networks based on chaotic inspiration. , 2011, , .		10
13	Automatic segmentation of breast masses using enhanced ICA mixture model. Neurocomputing, 2013, 120, 61-71.	5.9	10
14	Learning of shared attention in sociable robotics. Journal of Algorithms, 2009, 64, 139-151.	0.9	9
15	Locally oriented potential field for controlling multi-robots. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 4664-4671.	3.3	9
16	Modelling Shared Attention Through Relational Reinforcement Learning. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 66, 167-182.	3.4	9
17	Using Ontology as a Strategy for Modeling the Interface Between the Cognitive and Robotic Systems. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 99, 431-449.	3.4	9
18	Temporal Approaches for Human Activity Recognition Using Inertial Sensors. , 2019, , .		8

#	Article	IF	Citations
19	A Decentralized Approach to Drone Formation Based on Leader-Follower Technique. , 2019, , .		8
20	Neuro4PD: An Initial Neurorobotics Model of Parkinson's Disease. Frontiers in Neurorobotics, 2021, 15, 640449.	2.8	8
21	A Data-Driven Biophysical Computational Model of Parkinsonâ€™s Disease Based on Marmoset Monkeys. IEEE Access, 2021, 9, 122548-122567.	4.2	8
22	An oscillatory correlation model of object-based attention. , 2009, , .		7
23	Tablets and humanoid robots as engaging platforms for teaching languages. , 2017, , .		7
24	Uncovering Human Multimodal Activity Recognition with a Deep Learning Approach. , 2020, , .		7
25	A network of integrate and fire neurons for visual selection. Neurocomputing, 2009, 72, 2198-2208.	5.9	6
26	Localization of Salient Objects in Scenes through Visual Attention. , 2010, , .		6
27	Mapping of Facial Elements for Emotion Analysis. , 2014, , .		6
28	Cognitive and robotic systems: Speeding up integration and results. , 2017, , .		6
29	Reducing the gap between cognitive and robotic systems. , 2017, , .		6
30	RHS simulator for robotic cognitive systems. , 2017, , .		6
31	Project R-CASTLE: Robotic-Cognitive Adaptive System for Teaching and Learning. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 581-589.	3.8	6
32	Place Recognition in Forests With Urquhart Tessellations. IEEE Robotics and Automation Letters, 2021, 6, 279-286.	5.1	6
33	Concept Learning By Human Tutelage For Social Robots. Learning and Nonlinear Models, 2008, 6, 44-67.	0.2	6
34	A Visual Selection Mechanism Based on a Pulse-Coupled Neural Network. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	5
35	Socially Acceptable Navigation of People with Multi-robot Teams. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 98, 481-510.	3.4	5
36	A Deep Reinforcement Learning Approach with Visual Semantic Navigation with Memory for Mobile Robots in Indoor Home Context. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 104, .	3.4	5

#	Article	IF	Citations
37	Investigating the potential of art neural network models for indexing and information retrieval. International Journal of Intelligent Systems, 2007, 22, 319-336.	5.7	4
38	Visual Selection with Feature Contrast-Based Inhibition in a Network of Integrate and Fire Neurons. , 2008, , .		4
39	New consensus multivariate models based on PLS and ANN studies of sigma-1 receptor antagonists. Journal of Molecular Modeling, 2017, 23, 302.	1.8	4
40	Transfer Learning Based Model for Classification of Cocoa Pods. , 2018, , .		4
41	LARa: A Robotic Framework for Human-Robot Interaction on Indoor Environments. , 2018, , .		4
42	Modelling a Solenoidâ€™s Valve Movement. Lecture Notes in Computer Science, 2018, , 290-301.	1.3	4
43	Top-Down Biasing and Modulation for Object-Based Visual Attention. Lecture Notes in Computer Science, 2013, , 325-332.	1.3	4
44	Image skeletonization method applied to generation of topological maps. , 2009, , .		3
45	Imitation of Facial Expressions for a Virtual Robotic Head. , 2012, , .		3
46	A robot on-line area coverage approach based on the probabilistic Lloyd method. , 2013, , .		3
47	Integration of virtual pheromones for mapping/exploration of environments by using multiple robots. , 2014, , .		3
48	OntPercept: A Perception Ontology for Robotic Systems. , 2018, , .		3
49	A Review on Locomotion Systems for RoboCup Rescue League Robots. Lecture Notes in Computer Science, 2018, , 265-276.	1.3	3
50	Facial Recognition Experiments on a Robotic System Using One-Shot Learning. , 2019, , .		3
51	Unveiling Parkinsonâ€™s Disease Features from a Primate Model with Deep Neural Networks. , 2020, , .		3
52	A Visual Selection Mechanism Based on Network of Chaotic Wilson-Cowan Oscillators. , 2007, , .		2
53	Relational reinforcement learning and recurrent neural network with state classification to solve joint attention. , 2011, , .		2
54	Geometrical facial modeling for emotion recognition. , 2013, , .		2

#	Article	IF	Citations
55	An object-based visual selection framework. Neurocomputing, 2016, 180, 35-54.	5.9	2
56	A proposal of a graduate class for the human robot interaction area. , 2017, , .		2
57	A Pulse-Coupled Neural Network as A Simplified Bottom-Up Visual Attention Model. , 2006, , .		1
58	Applying Learning by Tutelage and Multimodal Interface to Sociable Robots. , 2008, , .		1
59	Addressing Escorting by Behavior Combining Using Multiple Differential Drive Robots. , 2015, , .		1
60	A study on the effect of human proxemics rules in human following by a robot team. , 2017, , .		1
61	Coordinate multi-robotic system for image taking and visualization via photogrammetry. , 2017, , .		1
62	Analysis of human-swarm interaction through potential field manipulation. , 2017, , .		1
63	A Serious Game to Build a Database for ErrP Signal Recognition. Lecture Notes in Computer Science, 2019, , 186-197.	1.3	1
64	Echo State Network Performance Analysis Using Non-random Topologies. Communications in Computer and Information Science, 2021, , 133-146.	0.5	1
65	Graphical User Interface for educational content programming with social robots activities and how teachers may perceive it. Revista Brasileira De InformãˆšÂ°tica Na EducaãˆšĂŸâˆšÂ£o, 0, 28, 191-207.	0.1	1
66	Decision making for a delivery robot through a fuzzy system. Revista De Informatica Teorica E Aplicada, 2013, 20, 13.	0.2	1
67	InserÃ§Ã£o de um robÃ´ humanoide no Ensino de Objetos GeomÃ©tricos 2D sobrepostos. , 0, , .		1
68	Multimodal Fuzzy Assessment for Robot Behavioral Adaptation in Educational Children-Robot Interaction. , 2020, , .		1
69	Robotic - Cognitive Adaptive System for Teaching and Learning (R-CASTLE). , 0, , .		1
70	Robotic assistance for autism: a literature review. , 2020, , .		1
71	Deep Reinforcement Learning for Visual Semantic Navigation with Memory. , 2020, , .		1
72	A Network of Dynamically Coupled Elements for Pixel Clustering. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	0

#	Article	IF	Citations
73	Mathematical morphology filters applied to an image skeletonization method to generation of topological maps. , 2009, , .		0
74	State-space modeling and offline evolutive parameter estimation of a generic robotic platform. , 2016, , .		0
75	FEA and Machine Learning Techniques for Hidden Structure Analysis. Sensors, 2021, 21, 5159.	3.8	0
76	Computer Vision for Learning to Interact Socially with Humans. , 2013, , 231-256.		0
77	MÃ©todo HÃbrido Deliberativo Para A NavegaÃ§Ã£o De RobÃ´s MÃ³veis AutÃ´nomos. , 0, , .		0
78	Sistema Fuzzy Para Tomada De DecisÃ£o De Sistemas Multiagentes. , 0, , .		0
79	EstratÃ©gia de FormaÃ§Ã£o Auto-adaptativa Baseada em uma ModificaÃ§Ã£o do Algoritmo ACO. , 0, , .		0
80	Uma EstratÃ©gia de CoordenaÃ§Ã£o DistribuÃda e Bio-Inspirada para Sistema Multiagentes Aplicada Ã Tarefa de VigilÃ¢ncia em Ambientes Desconhecidos. , 0, , .		0
81	Controlador Neural Nebuloso E ProbabilÃstico Para A NavegaÃ§Ã£o AutÃ´noma De RobÃ´s MÃ³veis. , 0, , .		0
82	An ensemble-based approach for breast mass classification in mammography images. , 2017, , .		0
83	Uma HeurÃstica para o Problema de Patrulhamento de Ambientes com mÃºltiplos Agentes. , 0, , .		0
84	Graphical User Interface for Adaptive Human-Robot Interaction Design in Educational Activities Creation. , 0, , .		0
85	Computer Vision for Learning to Interact Socially with Humans. , 0, , 1162-1187.		0
86	A Survey on the Aspects of Human-Robot Interaction in Autonomous Vehicles. , 2020, , .		0
87	A Visual Selection Mechanism Based on Network of Chaotic Wilson-Cowan Oscillators. , 2007, , .		0