

Roseli A F Romero

List of Publications by Year in descending order

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87
papers

835
citations

1040056

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87
times ranked

711
citing authors

#	ARTICLE	IF	CITATIONS
1	A Deep Reinforcement Learning Approach with Visual Semantic Navigation with Memory for Mobile Robots in Indoor Home Context. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2022, 104, .	3.4	5
2	Large-Scale Autonomous Flight With Real-Time Semantic SLAM Under Dense Forest Canopy. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 5512-5519.	5.1	30
3	Place Recognition in Forests With Urquhart Tessellations. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 279-286.	5.1	6
4	Neuro4PD: An Initial Neurorobotics Model of Parkinson's Disease. <i>Frontiers in Neurorobotics</i> , 2021, 15, 640449.	2.8	8
5	FEA and Machine Learning Techniques for Hidden Structure Analysis. <i>Sensors</i> , 2021, 21, 5159.	3.8	0
6	Echo State Network Performance Analysis Using Non-random Topologies. <i>Communications in Computer and Information Science</i> , 2021, , 133-146.	0.5	1
7	A Data-Driven Biophysical Computational Model of Parkinson's Disease Based on Marmoset Monkeys. <i>IEEE Access</i> , 2021, 9, 122548-122567.	4.2	8
8	Activity Recognition for Ambient Assisted Living with Videos, Inertial Units and Ambient Sensors. <i>Sensors</i> , 2021, 21, 768.	3.8	36
9	Socially Acceptable Navigation of People with Multi-robot Teams. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2020, 98, 481-510.	3.4	5
10	Using Ontology as a Strategy for Modeling the Interface Between the Cognitive and Robotic Systems. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2020, 99, 431-449.	3.4	9
11	SLOAM: Semantic Lidar Odometry and Mapping for Forest Inventory. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 612-619.	5.1	95
12	Uncovering Human Multimodal Activity Recognition with a Deep Learning Approach. , 2020, , .		7
13	Unveiling Parkinson's Disease Features from a Primate Model with Deep Neural Networks. , 2020, , .		3
14	Multimodal Fuzzy Assessment for Robot Behavioral Adaptation in Educational Children-Robot Interaction. , 2020, , .		1
15	Robotic assistance for autism: a literature review. , 2020, , .		1
16	Deep Reinforcement Learning for Visual Semantic Navigation with Memory. , 2020, , .		1
17	A Survey on the Aspects of Human-Robot Interaction in Autonomous Vehicles. , 2020, , .		0
18	A Serious Game to Build a Database for ErrP Signal Recognition. <i>Lecture Notes in Computer Science</i> , 2019, , 186-197.	1.3	1

#	ARTICLE	IF	CITATIONS
19	Temporal Approaches for Human Activity Recognition Using Inertial Sensors. , 2019, , .		8
20	Facial Recognition Experiments on a Robotic System Using One-Shot Learning. , 2019, , .		3
21	A Decentralized Approach to Drone Formation Based on Leader-Follower Technique. , 2019, , .		8
22	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
23	OntPercept: A Perception Ontology for Robotic Systems. , 2018, , .		3
24	Transfer Learning Based Model for Classification of Cocoa Pods. , 2018, , .		4
25	LARa: A Robotic Framework for Human-Robot Interaction on Indoor Environments. , 2018, , .		4
26	A Review on Locomotion Systems for RoboCup Rescue League Robots. Lecture Notes in Computer Science, 2018, , 265-276.	1.3	3
27	Modelling a Solenoid's Valve Movement. Lecture Notes in Computer Science, 2018, , 290-301.	1.3	4
28	Tablets and humanoid robots as engaging platforms for teaching languages. , 2017, , .		7
29	A study on the effect of human proxemics rules in human following by a robot team. , 2017, , .		1
30	Wizard of Oz vs autonomous: Children's perception changes according to robot's operation condition. , 2017, , .		16
31	Cognitive and robotic systems: Speeding up integration and results. , 2017, , .		6
32	Reducing the gap between cognitive and robotic systems. , 2017, , .		6
33	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
34	Coordinate multi-robotic system for image taking and visualization via photogrammetry. , 2017, , .		1
35	A proposal of a graduate class for the human robot interaction area. , 2017, , .		2
36	RHS simulator for robotic cognitive systems. , 2017, , .		6

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37	Analysis of human-swarm interaction through potential field manipulation. , 2017, , .		1
38	An ensemble-based approach for breast mass classification in mammography images. , 2017, , .		0
39	State-space modeling and offline evolutive parameter estimation of a generic robotic platform. , 2016, , .		0
40	An object-based visual selection framework. Neurocomputing, 2016, 180, 35-54.	5.9	2
41	Addressing Escorting by Behavior Combining Using Multiple Differential Drive Robots. , 2015, , .		1
42	Integration of virtual pheromones for mapping/exploration of environments by using multiple robots. , 2014, , .		3
43	Mapping of Facial Elements for Emotion Analysis. , 2014, , .		6
44	Automatic segmentation of breast masses using enhanced ICA mixture model. Neurocomputing, 2013, 120, 61-71.	5.9	10
45	Geometrical facial modeling for emotion recognition. , 2013, , .		2
46	A robot on-line area coverage approach based on the probabilistic Lloyd method. , 2013, , .		3
47	Top-Down Biasing and Modulation for Object-Based Visual Attention. Lecture Notes in Computer Science, 2013, , 325-332.	1.3	4
48	Computer Vision for Learning to Interact Socially with Humans. , 2013, , 231-256.		0
49	Decision making for a delivery robot through a fuzzy system. Revista De Informatica Teorica E Aplicada, 2013, 20, 13.	0.2	1
50	Imitation of Facial Expressions for a Virtual Robotic Head. , 2012, , .		3
51	Recognition of Human Motions for Imitation and Control of a Humanoid Robot. , 2012, , .		30
52	Locally oriented potential field for controlling multi-robots. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 4664-4671.	3.3	9
53	Modelling Shared Attention Through Relational Reinforcement Learning. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 66, 167-182.	3.4	9
54	Bio-inspired coordination of multiple robots systems and stigmergy mechanisms to cooperative exploration and surveillance tasks. , 2011, , .		13

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55	Selecting salient objects in real scenes: An oscillatory correlation model. <i>Neural Networks</i> , 2011, 24, 54-64.	5.9	25
56	Relational reinforcement learning and recurrent neural network with state classification to solve joint attention. , 2011, , .		2
57	Generation of composed musical structures through recurrent neural networks based on chaotic inspiration. , 2011, , .		10
58	Artificial Neural Networks and the Study of the Psychoactivity of Cannabinoid Compounds. <i>Chemical Biology and Drug Design</i> , 2010, 75, 632-640.	3.2	17
59	Localization of Salient Objects in Scenes through Visual Attention. , 2010, , .		6
60	Image skeletonization method applied to generation of topological maps. , 2009, , .		3
61	Mathematical morphology filters applied to an image skeletonization method to generation of topological maps. , 2009, , .		0
62	A network of integrate and fire neurons for visual selection. <i>Neurocomputing</i> , 2009, 72, 2198-2208.	5.9	6
63	Learning of shared attention in sociable robotics. <i>Journal of Algorithms</i> , 2009, 64, 139-151.	0.9	9
64	An oscillatory correlation model of object-based attention. , 2009, , .		7
65	A neural networks study of quinone compounds with trypanocidal activity. <i>Journal of Molecular Modeling</i> , 2008, 14, 975-985.	1.8	14
66	Applying Learning by Tutelage and Multimodal Interface to Sociable Robots. , 2008, , .		1
67	Particle competition for complex network community detection. <i>Chaos</i> , 2008, 18, 033107.	2.5	45
68	Visual Selection with Feature Contrast-Based Inhibition in a Network of Integrate and Fire Neurons. , 2008, , .		4
69	Concept Learning By Human Tutelage For Social Robots. <i>Learning and Nonlinear Models</i> , 2008, 6, 44-67.	0.2	6
70	A Visual Selection Mechanism Based on a Pulse-Coupled Neural Network. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007, , .	0.0	5
71	A Visual Selection Mechanism Based on Network of Chaotic Wilson-Cowan Oscillators. , 2007, , .		2
72	A Network of Dynamically Coupled Elements for Pixel Clustering. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007, , .	0.0	0

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73	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
74	A Visual Selection Mechanism Based on Network of Chaotic Wilson-Cowan Oscillators. , 2007, , .		0
75	A Pulse-Coupled Neural Network as A Simplified Bottom-Up Visual Attention Model. , 2006, , .		1
76	A Gesture Based Interface for Human-Robot Interaction. Autonomous Robots, 2000, 9, 151-173.	4.8	259
77	Graphical User Interface for educational content programming with social robots activities and how teachers may perceive it. Revista Brasileira De Informã~šÅ°tica Na Educaã~šÅ°tica, 0, 28, 191-207.	0.1	1
78	Inserã~šÅ°o de um robã´ humanoide no Ensino de Objetos Geomã©tricos 2D sobrepostos. , 0, , .		1
79	Mã©todo Hãbrido Deliberativo Para A Navegaã~šÅ°o De Robã´s Mã³veis Autãnomos. , 0, , .		0
80	Sistema Fuzzy Para Tomada De Decisã~šÅ°o De Sistemas Multiagentes. , 0, , .		0
81	Estratã©gia de Formaã~šÅ°o Auto-adaptativa Baseada em uma Modificaã~šÅ°o do Algoritmo ACO. , 0, , .		0
82	Uma Estratã©gia de Coordenaã~šÅ°o Distribuãda e Bio-Inspirada para Sistema Multiagentes Aplicada ã Tarefa de Vigilã¢ncia em Ambientes Desconhecidos. , 0, , .		0
83	Controlador Neural Nebuloso E Probabilãstico Para A Navegaã~šÅ°o Autãnoma De Robã´s Mã³veis. , 0, , .		0
84	Uma Heurãstica para o Problema de Patrulhamento de Ambientes com mã³tiplos Agentes. , 0, , .		0
85	Graphical User Interface for Adaptive Human-Robot Interaction Design in Educational Activities Creation. , 0, , .		0
86	Computer Vision for Learning to Interact Socially with Humans. , 0, , 1162-1187.		0
87	Robotic - Cognitive Adaptive System for Teaching and Learning (R-CASTLE). , 0, , .		1