

Enrico Pagello

List of Publications by Year in Descending Order

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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.

103
papers

1,138
citations

15
h-index

30
g-index

114
ext. papers

1,396
ext. citations

1.6
avg, IF

4.23
L-index

#	Paper	IF	Citations
103	A Planning Domain Definition Language Generator, Interpreter, and Knowledge Base for Efficient Automated Planning. <i>Lecture Notes in Networks and Systems</i> , 2022 , 563-579	0.5	
102	RUR53: an unmanned ground vehicle for navigation, recognition, and manipulation. <i>Advanced Robotics</i> , 2021 , 35, 1-18	1.7	6
101	Receding Horizon Task and Motion Planning in Changing Environments. <i>Robotics and Autonomous Systems</i> , 2021 , 145, 103863	3.5	3
100	A probabilistic approach to reconfigurable interactive manufacturing and coil winding for Industry 4.0 2021 , 61-93		
99	Low-cost Scalable People Tracking System for Human-Robot Collaboration in Industrial Environment. <i>Procedia Manufacturing</i> , 2020 , 51, 116-124	1.5	3
98	A Multimodal Path Planning Approach to Human Robot Interaction Based on Integrating Action Modeling. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2020 , 100, 955-972	2.9	1
97	A quantitative taxonomy of human hand grasps. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019 , 16, 28	5.3	18
96	ROS-health: An open-source framework for neurorobotics 2018 ,		6
95	Competitions and industrial tasks as a way to learn basic concepts in robotics 2018 ,		2
94	Subject Independent EMG Analysis by Using Low-Cost Hardware 2018 ,		2
93	Human-Robot Cooperative Interaction Control for the Installation of Heavy and Bulky Components 2018 ,		9
92	Toward a Better Robotic Hand Prosthesis Control: Using EMG and IMU Features for a Subject Independent Multi Joint Regression Model 2018 ,		3
91	A Novel Design of Musculoskeletal Bipedal Robot Applied with Bio-Inspired Elastic Actuation. <i>Applied Mechanics and Materials</i> , 2017 , 868, 81-92	0.3	
90	How to Deploy a Wire with a Robotic Platform: Learning from Human Visual Demonstrations. <i>Procedia Manufacturing</i> , 2017 , 11, 224-232	1.5	3
89	Advanced approaches for multi-robot coordination in logistic scenarios. <i>Robotics and Autonomous Systems</i> , 2017 , 90, 34-44	3.5	42
88	A machine learning-based visual servoing approach for fast robot control in industrial setting. <i>International Journal of Advanced Robotic Systems</i> , 2017 , 14, 172988141773888	1.4	8
87	Cloud-Based Task Planning for Smart Robots. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 285-300		6

86	An Underactuated Biped Robot Guided via Elastic Elements: EKF-Based Estimation of Ankle Mechanical Parameters. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 329-341	0.4	
85	2016,		7
84	Clustering of Humanoid Robot Motions Executed in Response to Touch. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 1063-1076	0.4	
83	Teaching humanoid robotics by means of human teleoperation through RGB-D sensors. <i>Robotics and Autonomous Systems</i> , 2016 , 75, 671-678	3.5	12
82	GMM-Based Single-Joint Angle Estimation Using EMG Signals. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 1173-1184	0.4	8
81	Human Muscle-Tendon Stiffness Estimation During Normal Gait Cycle Based on Gaussian Mixture Model. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 1185-1197	0.4	1
80	From Stigmergy to Affordance: The Mechanical Basis of Robot Motion Control. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 1401-1417	0.4	
79	Adaptive Design and Control of a Robot-Assisted Lower Back Exoskeletal Spine System. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 1503-1513	0.4	
78	Acoustic Source Localization for Robotics Networks. <i>Studies in Computational Intelligence</i> , 2016 , 437-460.	0.8	
77	Muscle synergies for reliable NAO arm motion control: An online simulation with real-time constraints 2016,		1
76	Online subject-independent modeling of sEMG signals for the motion of a single robot joint 2016,		6
75	DOA Acoustic Source Localization in Mobile Robot Sensor Networks 2015,		12
74	Processing of sEMG signals for online motion of a single robot joint through GMM modelization 2015,		4
73	Effects of reserve actuators on optimization solutions: From muscle force to joint stiffness 2015,		5
72	Lower Limb Stiffness Estimation during Running: The Effect of Using Kinematic Constraints in Muscle Force Optimization Algorithms. <i>Lecture Notes in Computer Science</i> , 2014 , 364-375	0.9	3
71	Probabilistic 2D Acoustic Source Localization Using Direction of Arrivals in Robot Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2014 , 474-485	0.9	7
70	Development of intelligent service robots. <i>Intelligenza Artificiale</i> , 2013 , 7, 139-152	0.7	1
69	Fast and Robust Multi-people Tracking from RGB-D Data for a Mobile Robot. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 265-276	0.4	14

68	A Topic Recognition System for Real World Human-Robot Conversations. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 383-391	0.4	3
67	Virtual Modelling of a Real Exoskeleton Constrained to a Human Musculoskeletal Model. <i>Lecture Notes in Computer Science</i> , 2013 , 96-107	0.9	17
66	A Multimodal Distributed Intelligent Environment for a Safer Home. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 775-785	0.4	2
65	A Software Architecture for RGB-D People Tracking Based on ROS Framework for a Mobile Robot. <i>Studies in Computational Intelligence</i> , 2013 , 53-68	0.8	5
64	Property Investigation of Chemical Plume Tracing Algorithm in an Insect Using Bio-machine Hybrid System. <i>Lecture Notes in Computer Science</i> , 2013 , 131-142	0.9	
63	A Distributed Kinodynamic Collision Avoidance System under ROS. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 511-521	0.4	
62	Robot Colony Mobility in a Thermodynamics Frame. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 457-468	0.4	1
61	Modeling, Dynamics and Control of an Extended Elastic Actuator in Musculoskeletal Robot System. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 671-681	0.4	1
60	Modeling the human knee for assistive technologies. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 2642-9	5	42
59	Towards Partners Profiling in Human Robot Interaction Contexts. <i>Lecture Notes in Computer Science</i> , 2012 , 4-15	0.9	8
58	Modeling and Simulating Compliant Movements in a Musculoskeletal Bipedal Robot. <i>Lecture Notes in Computer Science</i> , 2012 , 237-250	0.9	3
57	Simulating an Elastic Bipedal Robot Based on Musculoskeletal Modeling. <i>Lecture Notes in Computer Science</i> , 2012 , 26-37	0.9	4
56	Omnidirectional dense large-scale mapping and navigation based on meaningful triangulation 2011 ,		17
55	A neuromusculoskeletal model of the human lower limb: towards EMG-driven actuation of multiple joints in powered orthoses. <i>IEEE International Conference on Rehabilitation Robotics</i> , 2011 , 2011, 5975441-3		15
54	Audio-video people recognition system for an intelligent environment 2011 ,		2
53	Biologically Inspired Mobile Robot Control Robust to Hardware Failures and Sensor Noise. <i>Lecture Notes in Computer Science</i> , 2011 , 218-229	0.9	1
52	A Multimodal People Recognition System for an Intelligent Environment. <i>Lecture Notes in Computer Science</i> , 2011 , 451-456	0.9	1
51	Fast operation of anatomical and stiff tendon neuromuscular models in EMG-driven modeling 2010 ,		5

50	Cooperative control through objective achievement. <i>Robotics and Autonomous Systems</i> , 2010 , 58, 910-920	5	4
49	A Parameterless Biologically Inspired Control Algorithm Robust to Nonlinearities, Dead-Times and Low-Pass Filtering Effects. <i>Lecture Notes in Computer Science</i> , 2010 , 362-373	0.9	1
48	A mobile robot for transport applications in hospital domain with safe human detection algorithm 2009 ,		14
47	A visual odometry framework robust to motion blur 2009 ,		39
46	Range-only SLAM with a mobile robot and a Wireless Sensor Networks 2009 ,		66
45	A stiff tendon neuromusculoskeletal model of the knee 2009 ,		12
44	An experimental study of distributed robot coordination. <i>Robotics and Autonomous Systems</i> , 2009 , 57, 129-133	3.5	16
43	Simulation of small humanoid robots for soccer domain. <i>Journal of the Franklin Institute</i> , 2009 , 346, 500-519	4	15
42	A new paradigm of humanoid robot motion programming based on touch interpretation. <i>Robotics and Autonomous Systems</i> , 2009 , 57, 846-859	3.5	10
41	A BCI Teleoperated Museum Robotic Guide 2009 ,		18
40	Visual odometry for an omnidirectional-drive robot 2009 ,		1
39	Motion Control of Dense Robot Colony Using Thermodynamics 2009 , 85-96		1
38	THE SPATIAL SEMANTIC HIERARCHY IMPLEMENTED WITH AN OMNIDIRECTIONAL VISION SYSTEM. <i>Cybernetics and Systems</i> , 2008 , 39, 443-466	1.9	
37	3D MODELS OF HUMANOID SOCCER ROBOT IN USARSim AND ROBOTICS STUDIO SIMULATORS. <i>International Journal of Humanoid Robotics</i> , 2008 , 05, 523-546	1.2	6
36	THE CHALLENGE OF MOTION PLANNING FOR SOCCER PLAYING HUMANOID ROBOTS. <i>International Journal of Humanoid Robotics</i> , 2008 , 05, 481-499	1.2	6
35	Issues on Autonomous Agents from a Roboticle Perspective. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2008 , 52, 389-416	2.9	3
34	Developing Robot Motions by Simulated Touch Sensors. <i>Lecture Notes in Computer Science</i> , 2008 , 246-257	9	
33	Reliable features matching for humanoid robots 2007 ,		7

32	COMBINING AUDIO AND VIDEO SURVEILLANCE WITH A MOBILE ROBOT. <i>International Journal on Artificial Intelligence Tools</i> , 2007 , 16, 377-398	0.9	2
31	Teaching by touching: An intuitive method for development of humanoid robot motions 2007 ,		10
30	Incremental Convex Minimization for Computing Collision Translations of Convex Polyhedra 2007 , 23, 403-415		1
29	A 3D Virtual Model of the Knee Driven by EMG Signals. <i>Lecture Notes in Computer Science</i> , 2007 , 591-601	0.9	1
28	Toward Image-Based Localization for AIBO Using Wavelet Transform. <i>Lecture Notes in Computer Science</i> , 2007 , 831-838	0.9	1
27	Image-based Monte Carlo localisation with omnidirectional images. <i>Robotics and Autonomous Systems</i> , 2004 , 48, 17-30	3.5	77
26	A New Cell-subdivision Approach to Plan Free Translations in Cluttered Environments. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2003 , 38, 5-30	2.9	1
25	Emergent behaviors of a robot team performing cooperative tasks. <i>Advanced Robotics</i> , 2003 , 17, 3-19	1.7	13
24	Omnidirectional Distributed Vision System for a Team of Heterogeneous Robots 2003 ,		3
23	Image-Based Monte-Carlo Localisation without a Map. <i>Lecture Notes in Computer Science</i> , 2003 , 423-435	0.9	6
22	Towards the Intelligent Autonomous Systems of the third millennium. <i>Robotics and Autonomous Systems</i> , 2002 , 40, 63-68	3.5	1
21	Map focus: A way to reconcile reactivity and deliberation in multirobot systems. <i>Robotics and Autonomous Systems</i> , 2002 , 41, 245-255	3.5	3
20	Guest editorial advances in multirobot systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2002 , 18, 655-661		286
19	Designing an Omnidirectional Vision System for a Goalkeeper Robot. <i>Lecture Notes in Computer Science</i> , 2002 , 81-91	0.9	11
18	Omnidirectional Distributed Vision for Multi-Robot Mapping 2002 , 279-288		3
17	PaSo-Team 2000. <i>Lecture Notes in Computer Science</i> , 2001 , 429-432	0.9	
16	Bridging Deliberation and Reactivity in Cooperative Multi-Robot Systems through Map Focus. <i>Lecture Notes in Computer Science</i> , 2001 , 35-52	0.9	6
15	ART00 - Azzurra Robot Team for the Year 2000. <i>Lecture Notes in Computer Science</i> , 2001 , 559-562	0.9	2

14	Overview of RoboCup-99. <i>Lecture Notes in Computer Science</i> , 2000 , 1-34	0.9	1
13	PaSo-Team99. <i>Lecture Notes in Computer Science</i> , 2000 , 618-622	0.9	
12	A Framework for Distributed Simulation of Multirobot Systems: the VLAB Experience 2000 , 45-54		2
11	ART99 - Azzurra Robot Team. <i>Lecture Notes in Computer Science</i> , 2000 , 695-698	0.9	17
10	Cooperative behaviors in multi-robot systems through implicit communication. <i>Robotics and Autonomous Systems</i> , 1999 , 29, 65-77	3.5	55
9	ART Azzurra Robot Team. <i>Lecture Notes in Computer Science</i> , 1999 , 458-463	0.9	6
8	Multirobot motion coordination in space and time. <i>Robotics and Autonomous Systems</i> , 1998 , 25, 219-229	3.5	52
7	Exact geometry and robot motion planning: Speculations on a few numerical experiments. <i>Lecture Notes in Computer Science</i> , 1998 , 95-104	0.9	1
6	A heuristic approach to automatic grasp planning for a 3-fingered hand. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 1995 , 13, 45-74	2.9	1
5	A method for solving multiple autonomous robots collisions problem using space and time representation. <i>Lecture Notes in Computer Science</i> , 1995 , 261-266	0.9	
4	VML: An intermediate language for robot programming. <i>Robotics and Computer-Integrated Manufacturing</i> , 1989 , 5, 11-19	9.2	5
3	. <i>IEEE Computer Graphics and Applications</i> , 1989 , 9, 55-69	1.7	14
2	A message passing approach to robot programming. <i>Computers in Industry</i> , 1986 , 7, 237-247	11.6	3
1	Programs, computations and temporal features. <i>Lecture Notes in Computer Science</i> , 1976 , 237-243	0.9	