

Ioan Doroftei

List of Publications by Year in descending order

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38
papers

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docs citations

40
times ranked

246
citing authors

#	ARTICLE	IF	CITATIONS
1	Omnidirectional Mobile Robot - Design and Implementation. , 0, , .		70
2	Design of cooperative mobile robots for co-manipulation and transportation tasks. Robotics and Computer-Integrated Manufacturing, 2019, 57, 412-421.	9.9	46
3	A conceptual walking vehicle for planetary exploration. Mechatronics, 1997, 7, 287-296.	3.3	30
4	Deployable Structures for Architectural Applications - A Short Review. Applied Mechanics and Materials, 0, 658, 233-240.	0.2	24
5	An integrated robotic system for antipersonnel mines detection. Control Engineering Practice, 2002, 10, 1283-1291.	5.5	22
6	A concept of walking robot for humanitarian demining. Industrial Robot, 2012, 39, 441-449.	2.1	16
7	Structural and Kinematic Aspects of a New Ankle Rehabilitation Device. Applied Mechanics and Materials, 2014, 658, 507-512.	0.2	14
8	Eco-Friendly Biosorbents Based on Microbial Biomass and Natural Polymers: Synthesis, Characterization and Application for the Removal of Drugs and Dyes from Aqueous Solutions. Materials, 2021, 14, 4810.	2.9	14
9	An Overview on the Design of Mobile Robots with Hybrid Locomotion. Advanced Materials Research, 0, 837, 555-560.	0.3	13
10	Application of Ni-Ti shape memory alloy actuators in a walking micro-robot. Mechanika, 2014, 20, .	0.5	13
11	A Workspace Characterization of the 3-RRR Planar Parallel Mechanism. Applied Mechanics and Materials, 0, 658, 563-568.	0.2	12
12	Design and Control of an Omni-directional Mobile Robot. , 2008, , 105-110.		11
13	A Hexapod Walking Micro-Robot with Compliant Legs. Applied Mechanics and Materials, 0, 162, 234-241.	0.2	11
14	Flexible co-manipulation and transportation with mobile multi-robot system. Assembly Automation, 2019, 39, 422-431.	1.7	11
15	Design, Modeling and Control of an Omni-Directional Mobile Robot. Solid State Phenomena, 2010, 166-167, 173-178.	0.3	10
16	An Overview on Ankle Rehabilitation Devices. Advanced Materials Research, 2014, 1036, 781-786.	0.3	10
17	Design of Collaborative, Cross & Carry Mobile RoBots "C ³ Bots". Advanced Materials Research, 2013, 837, 588-593.	0.3	8
18	<title>Development of a high-mobility wheeled robot for humanitarian mine clearance</title>. , 1998, , .		6

#	ARTICLE	IF	CITATIONS
19	Localization Methods for Mobile Robots - A Review. Advanced Materials Research, 0, 837, 561-566.	0.3	6
20	Robotic system design and development for automated dismantling of PCB waste. Industrial Robot, 2021, 48, 720-725.	2.1	6
21	Conceptual Design of an Omni-directional Mobile Robot. , 2010, , 115-127.		6
22	Using mobile robots for a clean and safe environment — A difficult challenge. , 2012, , .		4
23	Controlling a Social Robot - Performing Nonverbal Communication through Facial Expressions. Advanced Materials Research, 0, 837, 525-530.	0.3	3
24	Preliminary Ideas on Designing an Unmanned Aerial Vehicle Based on Coanda Effect. Advanced Materials Research, 2013, 837, 573-576.	0.3	3
25	An Overview on Accuracy and Calibration Methods for Manipulators. Applied Mechanics and Materials, 2014, 658, 606-611.	0.2	3
26	DESIGN AND LOCOMOTION MODES OF A SMALL WHEEL-LEGGED ROBOT. , 2013, , .		3
27	Expressing Emotions in Social Robotics - A Schematic Overview Concerning the Mechatronics Aspects and Design Concepts. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 823-828.	0.4	2
28	Assessment of Systems for Carrying out of Planar Biaxial Tensile Test. Applied Mechanics and Materials, 2014, 658, 3-8.	0.2	2
29	Remote Controlled Wheeled Mobile Robot for Humanitarian Demining Purposes. Applied Mechanics and Materials, 2014, 658, 618-625.	0.2	2
30	A Mobile Robot with Modified Mecanum Wheels. Advanced Materials Research, 0, 1036, 775-780.	0.3	2
31	Design and Kinematic Aspects of a Hybrid Locomotion Robot. Advanced Materials Research, 2014, 1036, 764-769.	0.3	1
32	Analog Matrix Multiplier Dedicated to the Denavit-Hartenberg Algorithm. , 2019, , .		1
33	Neck Design Solution Adopted in the Development of a New Social Robot. Applied Mechanics and Materials, 2013, 371, 436-440.	0.2	0
34	Odometry Aspects of an Omni-Directional Mobile Robot with Modified Mecanum Wheels. Applied Mechanics and Materials, 0, 658, 587-592.	0.2	0
35	Hexapod Locomotion of a Leg-Wheel Hybrid Mobile Robot. Applied Mechanics and Materials, 0, 658, 581-586.	0.2	0
36	Unmanned Ground and Aerial Robots Supporting Mine Action Activities. Journal of Physics: Conference Series, 2018, 1065, 172009.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Preliminary Ideas on the Odometry of an Omni-directional Mobile Robot. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 157-164.	0.6	0
38	A Numerical Procedure for Position Analysis of a Robotic Structure. Part I: General Methodology. <i>Mechanisms and Machine Science</i> , 2021, , 23-32.	0.5	0