

Janusz Jakubiak

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5607272/publications.pdf>

Version: 2024-02-01

40
papers

329
citations

1040056

9
h-index

940533

16
g-index

42
all docs

42
docs citations

42
times ranked

163
citing authors

#	ARTICLE	IF	CITATIONS
1	Endogenous configuration space approach to mobile manipulators: A derivation and performance assessment of Jacobian inverse kinematics algorithms. <i>International Journal of Control</i> , 2003, 76, 1387-1419.	1.9	95
2	A Repeatable Inverse Kinematics Algorithm With Linear Invariant Subspaces for Mobile Manipulators. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2005, 35, 1051-1057.	5.0	35
3	A Mobile Robot-Based System for Automatic Inspection of Belt Conveyors in Mining Industry. <i>Energies</i> , 2022, 15, 327.	3.1	23
4	A two-step algorithm of smooth spline generation on Riemannian manifolds. <i>Journal of Computational and Applied Mathematics</i> , 2006, 194, 177-191.	2.0	18
5	Extended Jacobian inverse kinematics algorithm for nonholonomic mobile robots. <i>International Journal of Control</i> , 2006, 79, 895-909.	1.9	15
6	Doubly nonholonomic mobile manipulators. , 2004, , .		12
7	A New Geometric Algorithm to Generate Smooth Interpolating Curves on Riemannian Manifolds. <i>LMS Journal of Computation and Mathematics</i> , 2005, 8, 251-266.	0.9	12
8	Extended Jacobian inverse kinematics algorithms for mobile manipulators. <i>Journal of Field Robotics</i> , 2002, 19, 443-454.	0.7	11
9	Motion planning in velocity affine mechanical systems. <i>International Journal of Control</i> , 2010, 83, 1965-1974.	1.9	11
10	Control of mobile robot for remote medical examination: Design concepts and users' feedback from experimental studies. , 2016, , .		11
11	Selected Topics in Design and Application of a Robot for Remote Medical Examination with the Use of Ultrasonography and Auscultation from the Perspective of the REMEDI Project. <i>Journal of Automation, Mobile Robotics and Intelligent Systems</i> , 2017, 11, 82-94.	0.4	11
12	Control and perception system for ReMeDi robot mobile platform. , 2015, , .		9
13	Motion Planning of the Trident Snake Robot: An Endogenous Configuration Space Approach. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2010, , 159-166.	0.6	7
14	Control and Motion Planning of a Nonholonomic Parallel Orienting Platform. <i>Journal of Mechanisms and Robotics</i> , 2015, 7, .	2.2	6
15	Motion Planning of Nonholonomic Systems with Dynamics. , 2009, , 125-132.		5
16	Polynomial based approach in analysis and detection of surgeon's motions. , 2008, , .		4
17	Development of Test Rig for Robotization of Mining Technological Processes – Oversized Rock Breaking Process Case. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 95, 042028.	0.3	4
18	Acceleration-Driven Kinematics of Mobile Manipulators: An Endogenous Configuration Space Approach. , 2004, , 469-476.		4

#	ARTICLE	IF	CITATIONS
19	Motion Planning for Parallel Robots with Non-holonomic Joints. , 2012, , 115-122.		4
20	An Extended Jacobian Inverse Kinematics Algorithm for Doubly Nonholonomic Mobile Manipulators. , 0, , .		3
21	On Predictive Approach to Inverse Kinematics of Mobile Manipulators. , 2007, , .		3
22	Development of a mobile platform for a remote medical teleoperation robot. , 2016, , .		3
23	Motion planning in endogenous configuration space. , 0, , .		2
24	Extended jacobian motion planning algorithm for mobile manipulators. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 147-152.	0.4	2
25	A HYPERBOLIC, EXTENDED JACOBIAN INVERSE KINEMATICS ALGORITHM FOR MOBILE MANIPULATORS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 43-48.	0.4	2
26	Preliminary Research on Possibilities of Drilling Process Robotization. IOP Conference Series: Earth and Environmental Science, 2017, 95, 042027.	0.3	2
27	Motion Planning of Non-holonomic Parallel Orienting Platform: A Jacobian Approach. , 2014, , 95-103.		2
28	Motion Planning of the Multi-Bar System: The Imbalanced Jacobian Algorithm. , 2012, , 59-66.		2
29	A Set of Depth Sensor Processing ROS Tools for Wheeled Mobile Robot Navigation. Journal of Automation, Mobile Robotics and Intelligent Systems, 2017, 11, 48-56.	0.4	2
30	REGULAR JACOBIAN MOTION PLANNING ALGORITHMS FOR MOBILE MANIPULATORS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 121-126.	0.4	1
31	A definition of the extended Jacobian inverse kinematics algorithm for mobile robots. , 2007, , .		1
32	A New Inverse Kinematics Algorithm for Nonholonomic Mobile Robots. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 647-652.	0.4	1
33	Motion planning of the double-link trident snake robot. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 337-342.	0.4	1
34	Kinematics and Motion Planning of the Multi-Bar System. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 75, 5-15.	3.4	1
35	Control synthesis for multiple mobile robot systems. Transactions of the Institute of Measurement and Control, 0, , 014233122110470.	1.7	1
36	Testbed for control synthesis for multiple mobile robot systems : General concept and current research*. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
37	Optimization of robotic manipulator motion by gravity compensation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 271-276.	0.4	0
38	On Barycentric Coordinates in Control of a Thruster Driven Spacecraft. , 2018, , .		0
39	Sensing Feedback for the Control of Multi-joint Prosthetic Hand. Advances in Intelligent Systems and Computing, 2017, , 232-243.	0.6	0
40	Hyperbolic-linear, Extended Jacobian Inverse Kinematics Algorithm for Doubly Nonholonomic Mobile Manipulators. , 2006, , 131-138.		0