

Mats Isaksson

List of Publications by Year in descending order

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224
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of 3-Space Wireless Inertial Measurement Units Using an Industrial Robot. <i>Sensors</i> , 2021, 21, 6858.	3.8	8
2	Muscle activation during traditional laparoscopic surgery compared with robot-assisted laparoscopic surgery: a meta-analysis. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 31-38.	2.4	14
3	Self-reported prevalence of injury and discomfort experienced by surgeons performing traditional and robot-assisted laparoscopic surgery: a meta-analysis demonstrating the value of RALS for surgeons. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 4741-4753.	2.4	6
4	Kinematic and dynamic analysis of a novel parallel kinematic Schönlies motion generator. <i>Mechanism and Machine Theory</i> , 2020, 147, 103629.	4.5	12
5	On the feasibility of utilising an array of planar parallel robots to service adjoining workspaces. <i>Mechanism and Machine Theory</i> , 2018, 128, 382-394.	4.5	0
6	Novel Fault-Tolerance Indices for Redundantly Actuated Parallel Robots. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2017, 139, .	2.9	8
7	Kinematically Redundant Planar Parallel Mechanisms for Optimal Singularity Avoidance. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2017, 139, .	2.9	14
8	Singularity analysis of a class of kinematically redundant parallel Schönlies motion generators. <i>Mechanism and Machine Theory</i> , 2017, 112, 172-191.	4.5	18
9	A comparison of the yaw constraining performance of SCARA-tau parallel manipulator variants via screw theory. , 2016, , .		3
10	A Consensus-Based Framework for Distributed Bundle Adjustment. , 2016, , .		39
11	Motion/Force Transmission Analysis of Parallel Mechanisms With Planar Closed-Loop Subchains. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2016, 138, .	2.9	17
12	Motion/Force Transmission Analysis of Planar Parallel Mechanisms With Closed-Loop Subchains. <i>Journal of Mechanisms and Robotics</i> , 2016, 8, .	2.2	10
13	Workspace and Sensitivity Analysis of a Novel Nonredundant Parallel SCARA Robot Featuring Infinite Tool Rotation. <i>IEEE Robotics and Automation Letters</i> , 2016, 1, 776-783.	5.1	37
14	An introduction to utilising the redundancy of a kinematically redundant parallel manipulator to operate a gripper. <i>Mechanism and Machine Theory</i> , 2016, 101, 50-59.	4.5	33
15	High Breakdown Bundle Adjustment. , 2015, , .		3
16	On the feasibility of utilising gearing to extend the rotational workspace of a class of parallel robots. <i>Robotics and Computer-Integrated Manufacturing</i> , 2015, 35, 126-136.	9.9	7
17	A method for extending planar axis-symmetric parallel manipulators to spatial mechanisms. <i>Mechanism and Machine Theory</i> , 2015, 83, 1-13.	4.5	16
18	Workspace analysis of two similar 3-DOF axis-symmetric parallel manipulators. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
19	Analysis of the inverse kinematics problem for 3-DOF axis-symmetric parallel manipulators with parasitic motion. , 2014, , .		4
20	Pseudoconvex Proximal Splitting for L-infinity Problems in Multiview Geometry. , 2014, , .		8
21	Low-Cost 5-DOF Haptic Stylus Interaction Using Two Phantom Omni Devices. Lecture Notes in Computer Science, 2014, , 139-149.	1.3	2
22	Workspace Analysis of a Novel Six-Degrees-of-Freedom Parallel Manipulator With Coaxial Actuated Arms. Journal of Mechanical Design, Transactions of the ASME, 2013, 135, .	2.9	11
23	A 5-DOF rotation-symmetric parallel manipulator with one unconstrained tool rotation. , 2012, , .		3
24	Parallel Manipulators With a Rotation-Symmetric Arm System. Journal of Mechanical Design, Transactions of the ASME, 2012, 134, .	2.9	15
25	The Octahedral Hexarot " A novel 6-DOF parallel manipulator. Mechanism and Machine Theory, 2012, 55, 91-102.	4.5	21
26	A family of planar parallel manipulators. , 2011, , .		7
27	Improving the kinematic performance of the SCARA-Tau PKM. , 2010, , .		10