

# Olivier Company

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

830  
citations

840776

11  
h-index

1058476

14  
g-index

33  
all docs

33  
docs citations

33  
times ranked

494  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Design of a 4-DOF Parallel Manipulator: From Academia to Industry. IEEE Transactions on Robotics, 2009, 25, 213-224.	10.3	259
2	Multiobjective optimization of a linear Delta parallel robot. Mechanism and Machine Theory, 2012, 50, 159-178.	4.5	115
3	Kinematic and dynamic identification of parallel mechanisms. Control Engineering Practice, 2006, 14, 1099-1109.	5.5	48
4	Actuation Redundancy as a Way to Improve the Acceleration Capabilities of 3T and 3T1R Pick-and-Place Parallel Manipulators. Journal of Mechanisms and Robotics, 2010, 2, .	2.2	45
5	Velocity performance indices for parallel mechanisms with actuation redundancy. Robotica, 2004, 22, 129-139.	1.9	40
6	On the analysis of large-dimension reconfigurable suspended cable-driven parallel robots. , 2014, , .		40
7	Towards 100G with PKM. Is actuation redundancy a good solution for pick-and-place?. , 2010, , .		35
8	Par2: a spatial mechanism for fast planar two-degree-of-freedom pick-and-place applications. Meccanica, 2011, 46, 239-248.	2.0	26
9	Heli4: A Parallel Robot for Scara Motions with a Very Compact Traveling Plate and a Symmetrical Design. , 2006, , .		24
10	Some investigations into the optimal dimensional synthesis of parallel robots. International Journal of Advanced Manufacturing Technology, 2016, 83, 1525-1538.	3.0	21
11	Multiobjective optimization of parallel kinematic mechanisms by the genetic algorithms. Robotica, 2012, 30, 783-797.	1.9	19
12	A novel (3T-1R) redundant parallel mechanism with large operational workspace and rotational capability. , 2013, , .		16
13	Haptic Control Design for Robotic-Assisted Minimally Invasive Surgery. , 2006, , .		15
14	Multiobjective Optimization of 6-dof UPS Parallel Manipulators. Advanced Robotics, 2012, 26, 1885-1913.	1.8	15
15	On Robust Mechanical Design of a PAR2 Delta-Like Parallel Kinematic Manipulator. Journal of Mechanisms and Robotics, 2022, 14, .	2.2	15
16	Kinematic sensitivity analysis of manipulators using a novel dimensionless index. Robotics and Autonomous Systems, 2022, 150, 104021.	5.1	14
17	Stability and transparency analysis of a haptic feedback controller for medical applications. , 2007, , .		12
18	Towards teleoperated needle insertion with haptic feedback controller. , 2007, , .		11

#	ARTICLE	IF	CITATIONS
19	A Parallel Cable-Driven Crane for Scara-Motions. , 2008, , .		8
20	Optimal design of a 6-dof parallel measurement mechanism integrated in a 3-dof parallel machine-tool. , 2008, , .		7
21	Enhancing PKM Accuracy by Separating Actuation and Measurement: A 3DOF Case Study. Journal of Mechanisms and Robotics, 2010, 2, .	2.2	7
22	On the simplifications of cable model in static analysis of large-dimension cable-driven parallel robots. , 2013, , .		7
23	From a 3-DOF Parallel Redundant ARCHI Robot to an Auto-Calibrated ARCHI Robot. , 2007, , 847.		6
24	Dynamic Modeling and Identification of Par4, A Very High Speed Parallel Manipulator. , 2006, , .		5
25	A novel (3T-2R) parallel mechanism with large operational workspace and rotational capability. , 2014, , .		5
26	CAM for On-line Control for Wire Arc Additive Manufacturing. Computer-Aided Design and Applications, 2018, 16, 558-569.	0.6	4
27	On the performance evaluation and analysis of general robots with mixed dofs. , 2014, , .		3
28	A Novel 4 DoFs (3T-1R) Parallel Manipulator with Actuation Redundancy â€œ Workspace Analysis. Mechanisms and Machine Science, 2014, , 317-324.	0.5	3
29	Design of Lambda-Quadriglide: A New 4-DOF Parallel Kinematics Mechanism for SchoÃ¶nflies Motion. , 2010, , .		2
30	Modeling and optimization of Quadriglide, a Sch&#x00F6;nflies motion generator module for 5-axis milling machine-tools. , 2009, , .		1
31	Dimensional synthesis of 4 DoFs (3T-1R) actuatedly redundant parallel manipulator based on dual criteria: Dynamics and precision. , 2014, , .		1
32	Dynamics effects on natural frequencies in modal analysis of PKMs. , 2015, , .		0