

# 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  | On Robust Mechanical Design of a PAR2 Delta-Like Parallel Kinematic Manipulator. Journal of Mechanisms and Robotics, 2022, 14, .                                | 2.2 | 15        |
| 2  | Kinematic sensitivity analysis of manipulators using a novel dimensionless index. Robotics and Autonomous Systems, 2022, 150, 104021.                           | 5.1 | 14        |
| 3  | CAM for On-line Control for Wire Arc Additive Manufacturing. Computer-Aided Design and Applications, 2018, 16, 558-569.   | 0.6 | 4         |
| 4  | Some investigations into the optimal dimensional synthesis of parallel robots. International Journal of Advanced Manufacturing Technology, 2016, 83, 1525-1538. | 3.0 | 21        |
| 5  | Dynamics effects on natural frequencies in modal analysis of PKMs. , 2015, , .  |     | 0         |
| 6  | Dimensional synthesis of 4 DoFs (3T-1R) actuatedly redundant parallel manipulator based on dual criteria: Dynamics and precision. , 2014, , .                   |     | 1         |
| 7  | On the analysis of large-dimension reconfigurable suspended cable-driven parallel robots. , 2014, , .   |     | 40        |
| 8  | On the performance evaluation and analysis of general robots with mixed dofs. , 2014, , .   |     | 3         |
| 9  | A novel (3T-2R) parallel mechanism with large operational workspace and rotational capability. , 2014, , .  |     | 5         |
| 10 | A Novel 4 DoFs (3T-1R) Parallel Manipulator with Actuation Redundancy " Workspace Analysis. Mechanisms and Machine Science, 2014, , 317-324.                    | 0.5 | 3         |
| 11 | A novel (3T-1R) redundant parallel mechanism with large operational workspace and rotational capability. , 2013, , .  |     | 16        |
| 12 | On the simplifications of cable model in static analysis of large-dimension cable-driven parallel robots. , 2013, , .   |     | 7         |
| 13 | Multiobjective Optimization of 6-dof UPS Parallel Manipulators. Advanced Robotics, 2012, 26, 1885-1913.   | 1.8 | 15        |
| 14 | Multiobjective optimization of parallel kinematic mechanisms by the genetic algorithms. Robotica, 2012, 30, 783-797.  | 1.9 | 19        |
| 15 | Multiobjective optimization of a linear Delta parallel robot. Mechanism and Machine Theory, 2012, 50, 159-178.  | 4.5 | 115       |
| 16 | Par2: a spatial mechanism for fast planar two-degree-of-freedom pick-and-place applications. Meccanica, 2011, 46, 239-248.                                      | 2.0 | 26        |
| 17 | Enhancing PKM Accuracy by Separating Actuation and Measurement: A 3DOF Case Study. Journal of Mechanisms and Robotics, 2010, 2, .                               | 2.2 | 7         |
| 18 | Design of Lambda-Quadriglide: A New 4-DOF Parallel Kinematics Mechanism for Schoenflies Motion. , 2010, , .   |     | 2         |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | 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        |
| 20 | Towards 100G with PKM. Is actuation redundancy a good solution for pick-and-place?. , 2010, , .  |      | 35        |
| 21 | Optimal Design of a 4-DOF Parallel Manipulator: From Academia to Industry. IEEE Transactions on Robotics, 2009, 25, 213-224.   | 10.3 | 259       |
| 22 | Modeling and optimization of Quadriglide, a Sch&#x00F6;nflies motion generator module for 5-axis milling machine-tools. , 2009, , .  |      | 1         |
| 23 | Optimal design of a 6-dof parallel measurement mechanism integrated in a 3-dof parallel machine-tool. , 2008, , .  |      | 7         |
| 24 | A Parallel Cable-Driven Crane for Scara-Motions. , 2008, , .   |      | 8         |
| 25 | From a 3-DOF Parallel Redundant ARCHI Robot to an Auto-Calibrated ARCHI Robot. , 2007, , 847.  |      | 6         |
| 26 | Towards teleoperated needle insertion with haptic feedback controller. , 2007, , .   |      | 11        |
| 27 | Stability and transparency analysis of a haptic feedback controller for medical applications. , 2007, , .  |      | 12        |
| 28 | Haptic Control Design for Robotic-Assisted Minimally Invasive Surgery. , 2006, , .   |      | 15        |
| 29 | Kinematic and dynamic identification of parallel mechanisms. Control Engineering Practice, 2006, 14, 1099-1109.  | 5.5  | 48        |
| 30 | Dynamic Modeling and Identification of Par4, A Very High Speed Parallel Manipulator. , 2006, , .   |      | 5         |
| 31 | Heli4: A Parallel Robot for Scara Motions with a Very Compact Traveling Plate and a Symmetrical Design. , 2006, , .  |      | 24        |
| 32 | Velocity performance indices for parallel mechanisms with actuation redundancy. Robotica, 2004, 22, 129-139.   | 1.9  | 40        |