# Marco Arteaga

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3250541/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 68 papers | 943 citations | 471509 17 h-index | 477307 29 g-index |
| 70 all docs | 70 docs citations | 70 times ranked | 630 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Force Control. Lecture Notes in Electrical Engineering, 2022, , 215-255. | 0.4 | 0 |
| 2 | Bilateral Teleoperation. Lecture Notes in Electrical Engineering, 2022, , 257-281. | 0.4 | 0 |
| 3 | Robot Networks. Lecture Notes in Electrical Engineering, 2022, , 283-310. | 0.4 | 0 |
| 4 | Dynamics of Rigid Robot Manipulators. Lecture Notes in Electrical Engineering, 2022, , 71-102. | 0.4 | 0 |
| 5 | Common Control Approaches for Robot Manipulators. Lecture Notes in Electrical Engineering, 2022, , 129-139. | 0.4 | 0 |
| 6 | Adaptive and Robust Control. Lecture Notes in Electrical Engineering, 2022, , 165-213. | 0.4 | 0 |
| 7 | Velocity Observer Design. Lecture Notes in Electrical Engineering, 2022, , 143-164. | 0.4 | 1 |
| 8 | On the delayed kinematic correspondence with variable time delays for the control of the bilateral teleoperation of robots. International Journal of Control, 2021, 94, 2353-2368. | 1.9 | 5 |
| 9 | A Force/Motion Control Approach Based on Trajectory Planning for Industrial Robots With Closed Control Architecture. IEEE Access, 2021, 9, 80728-80740. | 4.2 | 12 |
| 10 | Output Feedback Hybrid Force/Motion Control for Robotic Manipulators Interacting with Unknown Rigid Surfaces. Robotica, 2020, 38, 136-158. | 1.9 | 7 |
| 11 | Experimental Results on the Robust and Adaptive Control of Robot Manipulators Without Velocity Measurements. IEEE Transactions on Control Systems Technology, 2020, 28, 2770-2773. | 5.2 | 19 |
| 12 | Finite-time control for rigid robots with bounded input torques. Control Engineering Practice, 2020, 102, 104556. | 5.5 | 11 |
| 13 | A simple approach for the force control of bilateral teleoperated manipulators with variable time delays. Control Engineering Practice, 2020, 102, 104564. | 5.5 | 2 |
| 14 | On the adaptive control of robot manipulators with velocity observers. International Journal of Robust and Nonlinear Control, 2020, 30, 4371-4396. | 3.7 | 14 |
| 15 | Experimental Results for Haptic Interaction With Virtual Holonomic and Nonholonomic Constraints. IEEE Access, 2020, 8, 120959-120973. | 4.2 | 6 |
| 16 | An alternative proof to the asymptotic stability of PID controllers for regulation of robot manipulators. IFAC Journal of Systems and Control, 2019, 9, 100066. | 1.7 | 5 |
| 17 | Dexterous Remote Manipulation by Means of a Teleoperation System. Robotica, 2019, 37, 1457-1476. | 1.9 | 3 |
| 18 | Dexterous robotic manipulation via a dynamic sliding mode force/position control with bounded inputs. IET Control Theory and Applications, 2019, 13, 832-840. | 2.1 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Transparent bilateral teleoperation interacting with unknown remote surfaces with a force/velocity observer design. International Journal of Control, 2019, 92, 840-857. | 1.9 | 9 |
| 20 | Telemanipulation of cooperative robots: a case of study. International Journal of Control, 2018, 91, 1284-1299. | 1.9 | 5 |
| 21 | Control of bilateral teleoperators with time delays using only position measurements. International Journal of Robust and Nonlinear Control, 2018, 28, 808-824. | 3.7 | 22 |
| 22 | Observer design for the synchronization of bilateral delayed teleoperators. European Journal of Control, 2018, 43, 20-32. | 2.6 | 9 |
| 23 | Velocity observer design for the consensus in delayed robot networks. Journal of the Franklin Institute, 2018, 355, 6810-6829. | 3.4 | 5 |
| 24 | On the adaptive control of cooperative robots with timeâ€variant holonomic constraints. International Journal of Adaptive Control and Signal Processing, 2017, 31, 1217-1231. | 4.1 | 19 |
| 25 | Observer design for bilateral teleoperation systems with variable time delays * *This work has been supported by the DGAPAâ€“UNAM under grant IN114617.. IFAC-PapersOnLine, 2017, 50, 14368-14373. | 0.9 | 2 |
| 26 | Improving force tracking control performance in cooperative robots. International Journal of Advanced Robotic Systems, 2017, 14, 172988141770896. | 2.1 | 4 |
| 27 | Observer based bilateral teleoperation for delayed systems: New proposal and experimental results. , 2016, , . | | 1 |
| 28 | Speed-sensorless control of SR motors based on GPI observers. Control Engineering Practice, 2016, 46, 115-128. | 5.5 | 6 |
| 29 | On the Observability and the Observer Design of Differential Pneumatic Pistons. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, . | 1.6 | 4 |
| 30 | Adaptive position/force control for robot manipulators in contact with a rigid surface with unknown parameters. , 2015, , . | | 4 |
| 31 | Adaptive position/force control for robot manipulators in contact with a rigid surface with uncertain parameters. European Journal of Control, 2015, 22, 1-12. | 2.6 | 46 |
| 32 | 3D Visual Servoing Control for Robot Manipulators Without Parametric Identification. IEEE Latin America Transactions, 2015, 13, 569-577. | 1.6 | 7 |
| 33 | TRANSPARENT BILATERAL MASTERâ€“SLAVE CONTROL BASED ON VIRTUAL SURFACES: STABILITY ANALYSIS AND EXPERIMENTAL RESULTS. International Journal of Robotics and Automation, 2015, 30, . | 0.1 | 5 |
| 34 | A simple application of GPI observers to the force control of robots. , 2014, , . | | 1 |
| 35 | On the GPI approach with unknown inertia matrix in robot manipulators. International Journal of Control, 2014, 87, 844-860. | 1.9 | 15 |
| 36 | GPI based velocity/force observer design for robot manipulators. ISA Transactions, 2014, 53, 929-938. | 5.7 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Velocity and Force Observers for the Control of Robot Manipulators. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2013, 135, . | 1.6 | 3 |
| 38 | Velocity/force observer design for robot manipulators. , 2013, , . | | 1 |
| 39 | Robot force control without dynamic model: theory and experiments. Robotica, 2013, 31, 149-171. | 1.9 | 17 |
| 40 | Master/Slave Robotic System for Teaching Motion-Force Manufacturing Tasks. Applied Mechanics and Materials, 2013, 307, 84-88. | 0.2 | 4 |
| 41 | Fuzzy vs Nonfuzzy in 2D Visual Servoing for Robot Manipulators. International Journal of Advanced Robotic Systems, 2013, 10, 108. | 2.1 | 3 |
| 42 | Simplied Methodology for Obtaining the Dynamic Model of Robot Manipulators. International Journal of Advanced Robotic Systems, 2012, 9, 170. | 2.1 | 10 |
| 43 | Model free control for differential pneumatic pistons: experimental comparison. International Journal of Control, 2011, 84, 138-164. | 1.9 | 6 |
| 44 | On output regulation of direct visual servoing via velocity fields. International Journal of Control, 2009, 82, 679-688. | 1.9 | 4 |
| 45 | A simple approach for 2D visual servoing. , 2009, , . | | 4 |
| 46 | Discussion on: â€œAdaptive Field-oriented Control of Synchronous Motors with Damping Windingsâ€• European Journal of Control, 2008, 14, 196-198. | 2.6 | 0 |
| 47 | Force and velocity observers for the control of cooperative robots. Robotica, 2008, 26, 85-92. | 1.9 | 7 |
| 48 | Discussion on: â€œRobustness of PID-Controlled Manipulators vis-Ã-vis Actuator Dynamics and External Disturbancesâ€• European Journal of Control, 2007, 13, 579-582. | 2.6 | 0 |
| 49 | Force control without inverse kinematics nor robot model. , 2007, , . | | 3 |
| 50 | Observer-based sliding mode impedance control of bilateral teleoperation under constant unknown time delay. Robotics and Autonomous Systems, 2007, 55, 609-617. | 5.1 | 76 |
| 51 | Remote Visual Servoing of a Robot Manipulator via Internet2. Journal of Intelligent and Robotic Systems: Theory and Applications, 2007, 49, 171-187. | 3.4 | 13 |
| 52 | Discussion on: Robustness of PID-controlled Manipulatorsvis-Ã-visActuator Dynamics and External Disturbances. European Journal of Control, 2007, 13, 577-582. | 2.6 | 0 |
| 53 | Cartesian control of robots without dynamic model and observer design. Automatica, 2006, 42, 473-480. | 5.0 | 29 |
| 54 | Decentralized control of cooperative robots without velocityâ€“force measurements. Automatica, 2006, 42, 329-336. | 5.0 | 44 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Observer-based Higher-Order Sliding Mode Impedance Control of Bilateral Teleoperation under Constant Unknown Time Delay. , 2006, , . | | 8 |
| 56 | Dynamic model and simulation of cooperative robots: a case study. Robotica, 2005, 23, 615-624. | 1.9 | 41 |
| 57 | On the Control of Cooperative Robots Without Velocity Measurements. IEEE Transactions on Control Systems Technology, 2004, 12, 600-608. | 5.2 | 43 |
| 58 | Robot Control Without Velocity Measurements: New Theory and Experimental Results. IEEE Transactions on Automation Science and Engineering, 2004, 20, 297-308. | 2.3 | 94 |
| 59 | Robot control and parameter estimation with only joint position measurements. Automatica, 2003, 39, 67-73. | 5.0 | 29 |
| 60 | Flexible-link Manipulators: Modeling, Nonlinear Control and Observer. , 2003, , 1-69. | | 4 |
| 61 | Adaptive control of robots with an improved transient performance. IEEE Transactions on Automatic Control, 2002, 47, 1198-1202. | 5.7 | 35 |
| 62 | Tracking control of flexible robot arms with a nonlinear observer. Automatica, 2000, 36, 1329-1337. | 5.0 | 14 |
| 63 | On tracking control of flexible robot arms. IEEE Transactions on Automatic Control, 2000, 45, 520-527. | 5.7 | 39 |
| 64 | On the Properties of a Dynamic Model of Flexible Robot Manipulators. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1998, 120, 8-14. | 1.6 | 57 |
| 65 | Experimental Modeling of a Two-Link Flexible Manipulator. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 509-514. | 0.4 | 3 |
| 66 | Tracking control of flexible robot arms. , 1997, , . | | 1 |
| 67 | Adaptive control of robot manipulators based on passivity. IEEE Transactions on Automatic Control, 1994, 39, 1871-1875. | 5.7 | 47 |
| 68 | Cooperative Robots. Advances in Civil and Industrial Engineering Book Series, 0, , 30-91. | 0.2 | 0 |