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List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

81
citations

1874746
5
h-index

1637695
9
g-index

22
all docs

22
docs citations

22
times ranked

70
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A Class of Bounded and Partially Bounded Nonlinear Controllers for First and Second Order Dynamical Systems. , 2022, 6, 1028-1033. | | 2 |
| 2 | Evolved Extended Kalman Filter for first-order dynamical systems with unknown measurements noise covariance. Applied Soft Computing Journal, 2022, 115, 108174. | 4.1 | 5 |
| 3 | A literature review of sensor heads for humanoid robots. Robotics and Autonomous Systems, 2021, 143, 103834. | 3.0 | 15 |
| 4 | Position control with dynamic obstacle avoidance in omnidirectional mobile robots. , 2021, , . | | 0 |
| 5 | Minimum energy nonlinear controllers based on analytic behaviors for velocity tracking on DC motors. , 2021, , . | | 1 |
| 6 | Tuning of a SNF tracking controller using genetic algorithms. , 2021, , . | | 0 |
| 7 | On the implementation of a SNF velocity controller for DC motors with low resolution encoders. , 2021, , . | | 0 |
| 8 | Family of controllers based on sector non-linear functions: an application for first-order dynamical systems. IET Control Theory and Applications, 2020, 14, 1387-1392. | 1.2 | 4 |
| 9 | Visible and near-infrared spectroscopy for detection of powdery mildew in Cucurbita pepo L. leaves. Journal of Applied Remote Sensing, 2020, 14, . | 0.6 | 1 |
| 10 | Synthetic-analytic behavior-based control framework: Constraining velocity in tracking for nonholonomic wheeled mobile robots. Information Sciences, 2019, 501, 436-459. | 4.0 | 15 |
| 11 | Controller structure for plants with combined saturation and stiction. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2019, 233, 945-960. | 0.7 | 0 |
| 12 | Saturating Stiffness Control of Robot Manipulators with Bounded Inputs. International Journal of Applied Mathematics and Computer Science, 2017, 27, 79-90. | 1.5 | 9 |
| 13 | Backlash compensation for plants with saturating actuators. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2017, 231, 471-480. | 0.7 | 5 |
| 14 | Developing a Student-Focused Undergraduate Laboratory. International Journal of Electrical Engineering and Education, 2013, 50, 268-278. | 0.4 | 4 |
| 15 | Themed Project Case Study: Quadruple Tanks Control with PLCs. International Journal of Electrical Engineering and Education, 2013, 50, 279-292. | 0.4 | 4 |
| 16 | Team organization and participation in the Eurobot 2012 contest. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 180-185. | 0.4 | 0 |
| 17 | Distributed knowledge-based computer-aided control education environment. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 156-161. | 0.4 | 0 |
| 18 | Student-focused undergraduate laboratory development: position control of a printer head. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 232-237. | 0.4 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Controlling a quadruple tanks rig with PLCs as a Masters dissertation project. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 238-243. | 0.4 | 2 |
| 20 | MPC for Plants Subject to Saturation and Deadzone, Backlash or Stiction. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 418-423. | 0.4 | 10 |
| 21 | Controller structure for plants with combined saturation and deadzone/backlash. , 2012, , . | | 3 |
| 22 | Orbital synchronization of homogeneous mechanical systems with one degree of underactuation. International Journal of Robust and Nonlinear Control, 0, , . | 2.1 | 1 |