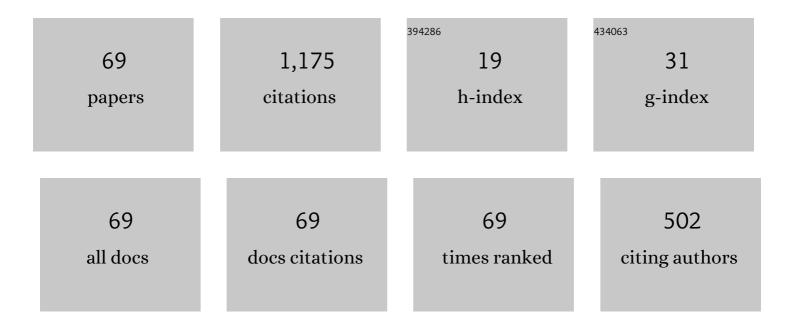
List of Publications by Year in descending order

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Χη-Ζητιλ

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Comprehensive Unified Control Strategy for Underactuated Two-Link Manipulators. IEEE Transactions<br>on Systems, Man, and Cybernetics, 2009, 39, 389-398.   | 5.5 | 93        |
| 2  | Global stabilization of 2-DOF underactuated mechanical systems—an equivalent-input-disturbance<br>approach. Nonlinear Dynamics, 2012, 69, 495-509.  | 2.7 | 84        |
| 3  | Stable Control Strategy for Planar Three-Link Underactuated Mechanical System. IEEE/ASME<br>Transactions on Mechatronics, 2016, 21, 1345-1356.  | 3.7 | 68        |
| 4  | Motion Planning and Adaptive Neural Tracking Control of an Uncertain Two-Link Rigid–Flexible<br>Manipulator With Vibration Amplitude Constraint. IEEE Transactions on Neural Networks and<br>Learning Systems, 2022, 33, 3814-3828. | 7.2 | 61        |
| 5  | Stabilization of underactuated planar acrobot based on motion-state constraints. International<br>Journal of Non-Linear Mechanics, 2015, 77, 342-347.   | 1.4 | 52        |
| 6  | Position-Posture Control of a Planar Four-Link Underactuated Manipulator Based on Genetic<br>Algorithm. IEEE Transactions on Industrial Electronics, 2017, 64, 4781-4791.   | 5.2 | 43        |
| 7  | Nonlinear stabilizing control for a class of underactuated mechanical systems with multi degree of freedoms. Nonlinear Dynamics, 2017, 89, 2241-2253.   | 2.7 | 43        |
| 8  | Motion planning and tracking control for an acrobot based on a rewinding approach. Automatica, 2013, 49, 278-284.   | 3.0 | 38        |
| 9  | A fast stable control strategy based on system energy for a planar single-link flexible manipulator.<br>Nonlinear Dynamics, 2018, 94, 615-626.  | 2.7 | 34        |
| 10 | Unified control of n-link underactuated manipulator with single passive joint: A reduced order approach. Mechanism and Machine Theory, 2012, 56, 170-185.   | 2.7 | 33        |
| 11 | Stabilization of underactuated two-link gymnast robot by using trajectory tracking strategy. Applied<br>Mathematics and Computation, 2015, 253, 193-204.  | 1.4 | 28        |
| 12 | A Novel Robust Control Method for Motion Control of Uncertain Single-Link Flexible-Joint<br>Manipulator. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1671-1678.  | 5.9 | 28        |
| 13 | Control of an Underactuated Three-Link Passive–Active–Active Manipulator Based on Three Stages and<br>Stability Analysis. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME,<br>2015, 137, .            | 0.9 | 25        |
| 14 | A quick control strategy based on hybrid intelligent optimization algorithm for planar n -link<br>underactuated manipulators. Information Sciences, 2017, 420, 148-158.   | 4.0 | 25        |
| 15 | A general control strategy for planar 3-DoF underactuated manipulators with one passive joint.<br>Information Sciences, 2020, 534, 139-153.   | 4.0 | 25        |
| 16 | A stable control for second-order nonholonomic planar underactuated mechanical system: energy attenuation approach. International Journal of Control, 2018, 91, 1630-1639.  | 1.2 | 21        |
| 17 | Continuous State Feedback Control Based on Intelligent Optimization for First-Order Nonholonomic<br>Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2534-2540.                                      | 5.9 | 21        |
| 18 | Fault diagnosis based on feature clustering of time series data for loss and kick of drilling process.<br>Journal of Process Control, 2021, 102, 24-33.   | 1.7 | 21        |

| #  | Article   | lF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Tip Position Control and Vibration Suppression of a Planar Two-Link Rigid-Flexible Underactuated<br>Manipulator. IEEE Transactions on Cybernetics, 2022, 52, 6771-6783.   | 6.2 | 20        |
| 20 | Singularityâ€avoiding swingâ€up control for underactuated threeâ€link gymnast robot using virtual<br>coupling between control torques. International Journal of Robust and Nonlinear Control, 2015, 25,<br>207-221.     | 2.1 | 17        |
| 21 | Global stabilization of underactuated spring-coupled three-link horizontal manipulator using position measurements only. Applied Mathematical Modelling, 2015, 39, 1917-1928.   | 2.2 | 17        |
| 22 | A simple and quick control strategy for a class of first-order nonholonomic manipulator. Nonlinear<br>Dynamics, 2016, 85, 2261-2276.  | 2.7 | 17        |
| 23 | Position control for planar four-link underactuated manipulator with a passive third joint. ISA<br>Transactions, 2019, 87, 46-54.   | 3.1 | 17        |
| 24 | Disturbance estimator and smith predictor-based active rejection of stick–slip vibrations in drill-string systems. International Journal of Systems Science, 2020, 51, 826-838.   | 3.7 | 17        |
| 25 | A quick position control strategy based on optimization algorithm for a class of first-order nonholonomic system. Information Sciences, 2018, 460-461, 264-278.   | 4.0 | 16        |
| 26 | Motion planning and adaptive neural sliding mode tracking control for positioning of uncertain planar underactuated manipulator. Neurocomputing, 2019, 334, 197-205.  | 3.5 | 16        |
| 27 | Tracking control of singleâ€link flexibleâ€joint manipulator with unmodeled dynamics and dead zone.<br>International Journal of Robust and Nonlinear Control, 2021, 31, 1270-1287.                                      | 2.1 | 16        |
| 28 | A bioinspired neural dynamics-based approach to tracking control of autonomous surface vehicles subject to unknown ocean currents. Neural Computing and Applications, 2015, 26, 1929-1938.                              | 3.2 | 15        |
| 29 | Virtual Model Reduction-based Control Strategy of Planar Three-link Underactuated Manipulator<br>with Middle Passive Joint. International Journal of Control, Automation and Systems, 2021, 19, 29-39.                  | 1.6 | 15        |
| 30 | Singularity avoidance for acrobots based on fuzzy-control strategy. Robotics and Autonomous<br>Systems, 2009, 57, 202-211.  | 3.0 | 14        |
| 31 | Effective position–posture control strategy based on switching control for planar three-link<br>underactuated mechanical system. International Journal of Systems Science, 2017, 48, 2202-2211.                         | 3.7 | 14        |
| 32 | Control Strategy Based on Model Reduction and Online Intelligent Calculation for Planar \$n\$ -Link<br>Underactuated Manipulators. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50,<br>1046-1054. | 5.9 | 14        |
| 33 | A Control Strategy Based on Trajectory Planning and Optimization for Two-Link Underactuated<br>Manipulators in Vertical Plane. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52,<br>3466-3475.     | 5.9 | 14        |
| 34 | A novel position-posture control method using intelligent optimization for planar underactuated mechanical systems. Mechanism and Machine Theory, 2019, 140, 258-273.   | 2.7 | 13        |
| 35 | Observerâ€based trajectory control for directional drilling process. Asian Journal of Control, 2022, 24, 259-272.   | 1.9 | 12        |
| 36 | CNN-based Broad Learning with Efficient Incremental Reconstruction Model for Facial Emotion Recognition. IFAC-PapersOnLine, 2020, 53, 10236-10241.  | 0.5 | 12        |

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|----|---|-----|-----------|
| 37 | Adaptive robust control for planar n-link underactuated manipulator based on radial basis function<br>neural network and online iterative correction method. Journal of the Franklin Institute, 2018, 355,<br>8373-8391.        | 1.9 | 11        |
| 38 | A new control method for planar four-link underactuated manipulator based on intelligence optimization. Nonlinear Dynamics, 2019, 96, 573-583.  | 2.7 | 10        |
| 39 | Position control with zero residual vibration for two degrees-of-freedom flexible systems based on motion trajectory optimization. Information Sciences, 2021, 575, 698-713.  | 4.0 | 10        |
| 40 | Control of acrobot based on lyapunov function. Central South University, 2004, 11, 210-215.   | 0.5 | 9         |
| 41 | Chaos-PSO-based Motion Planning and Accurate Tracking for Position-posture Control of a Planar<br>Underactuated Manipulator with Disturbance. International Journal of Control, Automation and<br>Systems, 2021, 19, 3511-3521. | 1.6 | 9         |
| 42 | Position control strategy based on energy attenuation for planar three-link underactuated manipulator. , 2016, , .  |     | 7         |
| 43 | A Control Strategy with Zero Residual Vibration for a Planar Single-Link Flexible Manipulator. , 2018, ,  |     | 7         |
| 44 | Stable control strategy for a second-order nonholonomic planar underactuated mechanical system.<br>International Journal of Systems Science, 2019, 50, 2126-2141.   | 3.7 | 7         |
| 45 | Two-Stage Decision-Making Method for Burden Distribution Based on Recognition of Conditions in Blast Furnace. IEEE Transactions on Industrial Electronics, 2021, 68, 4199-4208.   | 5.2 | 7         |
| 46 | Equivalent-input-disturbance-based robust control of drilling trajectory with weight-on-bit uncertainty in directional drilling. ISA Transactions, 2022, 127, 370-382.  | 3.1 | 7         |
| 47 | Effective Control Method Based on Trajectory Optimization for Three-Link Vertical Underactuated<br>Manipulators With Only One Active Joint. IEEE Transactions on Cybernetics, 2023, 53, 3782-3793.                              | 6.2 | 7         |
| 48 | PSO-based nonlinear model predictive planning and discrete-time sliding tracking control for<br>uncertain planar underactuated manipulators. International Journal of Systems Science, 2022, 53,<br>2075-2089.                  | 3.7 | 7         |
| 49 | Robust stabilization and disturbance attenuation for a class of underactuated mechanical systems.<br>Journal of Central South University, 2012, 19, 2488-2495.  | 1.2 | 6         |
| 50 | Distributed Monitoring With Integrated Probability PCA and mRMR for Drilling Processes. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.   | 2.4 | 6         |
| 51 | New distributed positioning algorithm based on centroid of circular belt for wireless sensor networks. International Journal of Automation and Computing, 2007, 4, 315-324.   | 4.5 | 5         |
| 52 | A rewinding approach to motion planning for acrobot based on virtual friction. , 2010, , .  |     | 5         |
| 53 | A unified and simple control strategy for a class of n-link vertical underactuated manipulator. ISA<br>Transactions, 2022, 128, 198-207.  | 3.1 | 4         |
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| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Global Stabilization Control of Acrobot Based on Equivalent-Input-Disturbance Approach. IFAC<br>Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 14596-14601.              | 0.4 | 3         |
| 56 | Stable Control of Single-Link Flexible-Joint Manipulator. , 2018, , .   |     | 3         |
| 57 | Quick and Effective Position Control for Planar <tex>\$n\$</tex> -link Underactuated<br>Manipulators Based on Optimization Algorithm. , 2018, , .   |     | 3         |
| 58 | A Simple Control Strategy Based on Trajectory Planning for Vertical Acrobot. Actuators, 2021, 10, 308.  | 1.2 | 3         |
| 59 | Motion Control Strategy Based on Integrated Trajectory for the Pendubot. , 2021, , .  |     | 3         |
| 60 | Design for robust stabilization of nonlinear systems with uncertain parameters. Central South<br>University, 2004, 11, 102-104.   | 0.5 | 2         |
| 61 | Control design and comprehensive stability analysis of acrobots based on Lyapunov functions.<br>Central South University, 2005, 12, 210-216.  | 0.5 | 2         |
| 62 | Backstepping neurodynamics based position-tracking control of underactuated autonomous surface vehicles. , 2013, , .  |     | 2         |
| 63 | Position and posture control for a class of second-order nonholonomic underactuated mechanical system. IMA Journal of Mathematical Control and Information, 0, , dnw056.                                    | 1.1 | 2         |
| 64 | Single controller design based on integrated trajectory for three-link vertical underactuated manipulators with first active joint. International Journal of Control, 2023, 96, 424-434.                    | 1.2 | 2         |
| 65 | An efficient neural network based tracking controller for autonomous underwater vehicles subject to unknown dynamics. , 2014, , .   |     | 1         |
| 66 | An Improved Control Strategy for Directional Drilling Attitude. , 2018, , .   |     | 1         |
| 67 | Intelligent Control of Underactuated Mechanical System. Studies in Systems, Decision and Control, 2021, , 47-73.  | 0.8 | 1         |
| 68 | Trajectory Azimuth Control Based on Equivalent Input Disturbance Approach for Directional Drilling<br>Process. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2021, 25, 31-39. | 0.5 | 1         |
| 69 | Incident early warning based on sparse autoencoder and decision fusion for drilling process. , 2021, , .  |     | 0         |