

Youdong Chen

List of Publications by Year in descending order

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21
papers

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1478505

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21
all docs

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times ranked

262
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Sambot: A Self-Assembly Modular Robot System. IEEE/ASME Transactions on Mechatronics, 2011, 16, 745-757. | 5.8 | 133 |
| 2 | Look-Ahead Algorithm with Whole S-Curve Acceleration and Deceleration. Advances in Mechanical Engineering, 2013, 5, 974152. | 1.6 | 25 |
| 3 | Smooth and Accurate Trajectory Planning for Industrial Robots. Advances in Mechanical Engineering, 2014, 6, 342137. | 1.6 | 10 |
| 4 | Smooth Geodesic Interpolation for Five-Axis Machine Tools. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1592-1603. | 5.8 | 9 |
| 5 | Collision-free trajectory planning for dual-robot systems using B-splines. International Journal of Advanced Robotic Systems, 2017, 14, 172988141772802. | 2.1 | 8 |
| 6 | Algorithm for Smooth S-curve Feedrate Profiling Generation. Chinese Journal of Mechanical Engineering (English Edition), 2011, 24, 237. | 3.7 | 8 |
| 7 | Radius and Orientation Measurement for Cylindrical Objects by a Light Section Sensor. Sensors, 2016, 16, 1981. | 3.8 | 6 |
| 8 | Docking System Design and Self-Assembly Control of Distributed Swarm Flying Robots. International Journal of Advanced Robotic Systems, 2012, 9, 186. | 2.1 | 4 |
| 9 | Predictable Trajectory Planning of Industrial Robots with Constraints. Applied Sciences (Switzerland), 2018, 8, 2648. | 2.5 | 4 |
| 10 | Development and Implementation of a Real Time Embedded Control System for Machine Tools. , 2006, , . | | 3 |
| 11 | A Three-Stage Dynamic Assessment Framework for Industrial Control System Security Based on a Method of W-HMM. Sensors, 2022, 22, 2593. | 3.8 | 3 |
| 12 | An optimization algorithm to expand the reduced workspace with fixed-joint method for redundant manipulator. , 2016, , . | | 2 |
| 13 | An improved geodesic algorithm for trajectory planning of multi-joint robots. International Journal of Advanced Robotic Systems, 2016, 13, 172988141665774. | 2.1 | 2 |
| 14 | The Playback Trajectory Optimization Algorithm for Collaborative Robot. , 2018, , . | | 2 |
| 15 | High-Speed Handling Robot with Bionic End-Effector for Large Glass Substrate in Clean Environment. Sensors, 2022, 22, 149. | 3.8 | 2 |
| 16 | Research of NC Program Processor in Embedded Control System. , 2008, , . | | 1 |
| 17 | A general framework integrating exploration, self-assembly and locomotion control for swarm robots. , 2011, , . | | 1 |
| 18 | Research on the DDA Precision Interpolation Algorithm for Continuity of Speed and Acceleration. Advances in Mechanical Engineering, 2014, 6, 308424. | 1.6 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Self-assembly and locomotion of diverse structures for swarm robots on adaption application. , 2011, , . | | 0 |
| 20 | Research on Optimization for Motion Control Bus Based on Ethernet. Advances in Mechanical Engineering, 2013, 5, 805363. | 1.6 | 0 |
| 21 | A BEHAVIOR ADAPTATION METHOD BASED ON HIERARCHICAL POMDPS. , 2015, , . | | 0 |