

# Youdong Chen

## List of Publications by Year in descending order

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21  
papers

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citations

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21  
times ranked

262  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Three-Stage Dynamic Assessment Framework for Industrial Control System Security Based on a Method of W-HMM. <i>Sensors</i> , 2022, 22, 2593.	3.8	3
2	High-Speed Handling Robot with Bionic End-Effector for Large Glass Substrate in Clean Environment. <i>Sensors</i> , 2022, 22, 149.	3.8	2
3	Predictable Trajectory Planning of Industrial Robots with Constraints. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2648.	2.5	4
4	The Playback Trajectory Optimization Algorithm for Collaborative Robot. , 2018, , .		2
5	Collision-free trajectory planning for dual-robot systems using B-splines. <i>International Journal of Advanced Robotic Systems</i> , 2017, 14, 172988141772802.	2.1	8
6	Radius and Orientation Measurement for Cylindrical Objects by a Light Section Sensor. <i>Sensors</i> , 2016, 16, 1981.	3.8	6
7	An optimization algorithm to expand the reduced workspace with fixed-joint method for redundant manipulator. , 2016, , .		2
8	An improved geodesic algorithm for trajectory planning of multi-joint robots. <i>International Journal of Advanced Robotic Systems</i> , 2016, 13, 172988141665774.	2.1	2
9	Smooth Geodesic Interpolation for Five-Axis Machine Tools. <i>IEEE/ASME Transactions on Mechatronics</i> , 2016, 21, 1592-1603.	5.8	9
10	A BEHAVIOR ADAPTATION METHOD BASED ON HIERARCHICAL POMDPS. , 2015, , .		0
11	Smooth and Accurate Trajectory Planning for Industrial Robots. <i>Advances in Mechanical Engineering</i> , 2014, 6, 342137.	1.6	10
12	Research on the DDA Precision Interpolation Algorithm for Continuity of Speed and Acceleration. <i>Advances in Mechanical Engineering</i> , 2014, 6, 308424.	1.6	1
13	Look-Ahead Algorithm with Whole S-Curve Acceleration and Deceleration. <i>Advances in Mechanical Engineering</i> , 2013, 5, 974152.	1.6	25
14	Research on Optimization for Motion Control Bus Based on Ethernet. <i>Advances in Mechanical Engineering</i> , 2013, 5, 805363.	1.6	0
15	Docking System Design and Self-Assembly Control of Distributed Swarm Flying Robots. <i>International Journal of Advanced Robotic Systems</i> , 2012, 9, 186.	2.1	4
16	Sambot: A Self-Assembly Modular Robot System. <i>IEEE/ASME Transactions on Mechatronics</i> , 2011, 16, 745-757.	5.8	133
17	A general framework integrating exploration, self-assembly and locomotion control for swarm robots. , 2011, , .		1
18	Self-assembly and locomotion of diverse structures for swarm robots on adaption application. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
19	Algorithm for Smooth S-curve Feedrate Profiling Generation. Chinese Journal of Mechanical Engineering (English Edition), 2011, 24, 237.	3.7	8
20	Research of NC Program Processor in Embedded Control System. , 2008, , .		1
21	Development and Implementation of a Real Time Embedded Control System for Machine Tools. , 2006, , .		3