

Dongxing Cao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An Improved Finite Control Set Model Predictive Current Control for a Two-Phase Hybrid Stepper Motor Fed by a Three-Phase VSI. <i>Energies</i> , 2022, 15, 1222.	3.1	3
2	A Novel Design of Torsion Spring-Connected Nonlinear Stiffness Actuator Based on Cam Mechanism. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2022, 144, .	2.9	5
3	Spring Effects on Workspace and Stiffness of a Symmetrical Cable-Driven Hybrid Joint. <i>Symmetry</i> , 2020, 12, 101.	2.2	2
4	Design and wrench-feasible workspace analysis of a cable-driven hybrid joint. <i>International Journal of Advanced Robotic Systems</i> , 2020, 17, 172988141989975.	2.1	3
5	Design and Research of Flexible Joint with Variable Stiffness Based on Torsion Spring. , 2019, , .		0
6	Analysis on variable stiffness of a cable-driven parallel-series hybrid joint toward wheelchair-mounted robotic manipulator. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401984628.	1.6	7
7	Inverse kinematic tension analysis and optimal design of a cable-driven parallel-series hybrid joint towards wheelchair-mounted robotic manipulator. <i>Journal European Des Systemes Automatises</i> , 2018, 51, 59-74.	0.4	4
8	Port-based ontology behavioral graph modeling for climbing robot route planning. , 2015, , .		0
9	Advances in Conceptual Design Theories, Methodologies, and Applications. <i>Advances in Mechanical Engineering</i> , 2013, 5, 207492.	1.6	2
10	Conceptual Design of Compliant Mechanism Based on Port Ontology. <i>Advances in Mechanical Engineering</i> , 2013, 5, 401492.	1.6	3
11	Customer Preference-Based Information Retrieval to Build Module Concepts. <i>Advances in Mechanical Engineering</i> , 2013, 5, 536820.	1.6	0
12	Port-Based Ontology Modeling for Robot Leg Conceptual Design. <i>Advances in Mechanical Engineering</i> , 2013, 5, 657960.	1.6	0
13	Obtaining Virtual and Realistic Images and Facial Characters from Robot Using Neural Networks. , 2009, , .		1
14	A port-based information delivery for collaborative conceptual design. , 2008, , .		0
15	Integrated design modeling of miniature syringe for drug delivery. , 2008, , .		1