Dongxing Cao

List of Publications by Year
in descending order

15 papers	31 citations	2258059 3 h-index	2053705 5 g-index
15 all docs	15 docs citations	15 times ranked	24 citing authors

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