

Wenjie Ge

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3758059/publications.pdf>

Version: 2024-02-01

38
papers

417
citations

759233

12
h-index

839539

18
g-index

42
all docs

42
docs citations

42
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and experiment of concentrated flexibility-based variable camber morphing wing. Chinese Journal of Aeronautics, 2022, 35, 455-469.	5.3	14
2	Integrated design of topology and material for composite morphing trailing edge based compliant mechanism. Chinese Journal of Aeronautics, 2021, 34, 331-340.	5.3	6
3	Topology Optimization of Multi-Materials Compliant Mechanisms. Applied Sciences (Switzerland), 2021, 11, 3828.	2.5	2
4	Design and Experimental Research of Knee Joint Prosthesis Based on Gait Acquisition Technology. Biomimetics, 2021, 6, 28.	3.3	11
5	Review of Recent Progress in Robotic Knee Prosthesis Related Techniques: Structure, Actuation and Control. Journal of Bionic Engineering, 2021, 18, 764-785.	5.0	19
6	Multibody-Dynamic Modeling and Stability Analysis for a Bird-scale Flapping-wing Aerial Vehicle. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 103, 1.	3.4	3
7	Mechanical design and energy storage efficiency research of a variable stiffness elastic actuator. International Journal of Advanced Robotic Systems, 2020, 17, 172988142093095.	2.1	2
8	Optimization and Experiment of a Novel Compliant Focusing Mechanism for Space Remote Sensor. Sensors, 2020, 20, 6826.	3.8	4
9	Jumping Locomotion Strategies: From Animals to Bioinspired Robots. Applied Sciences (Switzerland), 2020, 10, 8607.	2.5	26
10	Design, Optimization and Energetic Evaluation of an Efficient Fully Powered Ankle-Foot Prosthesis With a Series Elastic Actuator. IEEE Access, 2020, 8, 61491-61503.	4.2	12
11	Effect of Substrates' Compliance on the Jumping Mechanism of <i>Locusta migratoria</i> . Frontiers in Bioengineering and Biotechnology, 2020, 8, 661.	4.1	11
12	Impact of Different Developmental Instars on <i>Locusta migratoria</i> Jumping Performance. Applied Bionics and Biomechanics, 2020, 2020, 1-11.	1.1	8
13	Path and function synthesis of multi-bar mechanisms using beetle antennae search algorithm. Filomat, 2020, 34, 5215-5233.	0.5	4
14	Design of Morphing Wing Leading Edge with Compliant Mechanism. Lecture Notes in Computer Science, 2019, , 382-392.	1.3	3
15	Design and Speed-Adaptive Control of a Powered Geared Five-Bar Prosthetic Knee Using BP Neural Network Gait Recognition. Sensors, 2019, 19, 4662.	3.8	12
16	Optimal Design of a Nonlinear Series Elastic Actuator for the Prosthetic Knee Joint Based on the Conjugate Cylindrical Cam. IEEE Access, 2019, 7, 140846-140859.	4.2	15
17	Simultaneous optimization of fiber orientations and topology shape for composites compliant leading edge. Journal of Reinforced Plastics and Composites, 2019, 38, 706-716.	3.1	8
18	Topology design and analysis of compliant mechanisms with composite laminated plates. Journal of Mechanical Science and Technology, 2019, 33, 613-620.	1.5	11

#	ARTICLE	IF	CITATIONS
19	Optimization and Dynamics of Six-bar Mechanism Bionic Knee. , 2019, , .		4
20	Design of compliant mechanism-based variable camber morphing wing with nonlinear large deformation. International Journal of Advanced Robotic Systems, 2019, 16, 172988141988674.	2.1	23
21	Optimization of Combining Fiber Orientation and Topology for Constant-Stiffness Composite Laminated Plates. Journal of Optimization Theory and Applications, 2019, 181, 653-670.	1.5	12
22	Modelling jumping in Locusta migratoria and the influence of substrate roughness. Entomologia Generalis, 2019, 38, 317-332.	3.1	15
23	Topology optimization method with direct coupled finite elementâ€“element-free Galerkin method. Advances in Engineering Software, 2018, 115, 217-229.	3.8	20
24	The effects of variable mechanical parameters on peak power and energy consumption of ankle-foot prostheses at different speeds. Advanced Robotics, 2018, 32, 1229-1240.	1.8	6
25	Topology optimization of hyperelastic structure based on a directly coupled finite element and element-free Galerkin method. Advances in Engineering Software, 2018, 123, 25-37.	3.8	18
26	Optimal fiber orientation and topology design for compliant mechanisms with fiber-reinforced composites. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2017, 231, 2302-2312.	2.1	7
27	Design and optimization of a powered ankle-foot prosthesis using a geared five-bar spring mechanism. International Journal of Advanced Robotic Systems, 2017, 14, 172988141770454.	2.1	15
28	Optimal Control of Hopping Robot Based on Genetic Algorithm during Flight Phase. , 2017, , .		1
29	Optimization of actuating torques in multi-bar prosthetic joints with springs. Engineering Optimization, 2017, 49, 1183-1196.	2.6	5
30	Kinematic analysis and optimization of a kangaroo geared five-bar knee joint mechanism. , 2017, , .		1
31	Solving the Kinematics of the Planar Mechanism Using Data Structures of Assur Groups. Journal of Mechanisms and Robotics, 2016, 8, .	2.2	15
32	Topology optimization of compliant mechanisms with curvilinear fiber path laminated composites. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 3101-3110.	2.1	8
33	Optimal fiber orientations and topology of compliant mechanisms using lamination parameters. , 2015, , .		2
34	Landing Impact Analysis of a Bioinspired Intermittent Hopping Robot with Consideration of Friction. Mathematical Problems in Engineering, 2015, 2015, 1-12.	1.1	6
35	Design and Evaluation of a Prosthetic Knee Joint Using the Geared Five-Bar Mechanism. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 1031-1038.	4.9	37
36	Topology optimization of compliant adaptive wing leading edge with composite materials. Chinese Journal of Aeronautics, 2014, 27, 1488-1494.	5.3	34

#	ARTICLE	IF	CITATIONS
37	Research on one Bio-inspired Jumping Locomotion Robot for Search and Rescue. International Journal of Advanced Robotic Systems, 2014, 11, 168.	2.1	10
38	Design and Dynamics Analysis of a Bio-Inspired Intermittent Hopping Robot for Planetary Surface Exploration. International Journal of Advanced Robotic Systems, 2012, 9, 109.	2.1	5