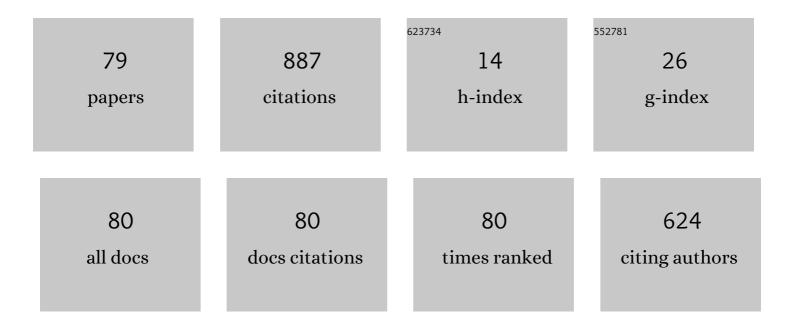


List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Design and analysis of a stiffness and damping regulator based on giant electrorheological fluid under multilayered squeeze mode. Journal of Sound and Vibration, 2022, 527, 116864.	3.9	4
2	Tunable negative stiffness spring using maxwell normal stress. International Journal of Mechanical Sciences, 2021, 193, 106127.	6.7	36
3	Shock Isolation Capability of an Electromagnetic Variable Stiffness Isolator With Bidirectional Stiffness Regulation. IEEE/ASME Transactions on Mechatronics, 2021, 26, 2038-2047.	5.8	8
4	Design, Modeling and Performance Evaluation of Mobile Robot Based on Eccentric Paddle Mechanism. Journal of Physics: Conference Series, 2021, 1802, 042018.	0.4	1
5	Adaptive Deterministic Vibration Control of a Piezo-Actuated Active–Passive Isolation Structure. Applied Sciences (Switzerland), 2021, 11, 3338.	2.5	6
6	Design and Experimental Evaluation of a Multi-Mode Mobile Robot Based on Eccentric Paddle Mechanism. IEEE Robotics and Automation Letters, 2021, 6, 8607-8614.	5.1	0
7	Numerical modeling for viscoelastic sandwich smart structures bonded with piezoelectric materials. Composite Structures, 2021, 278, 114703.	5.8	5
8	Modeling of Passive Dynamic Walking Behavior of the Asymmetric Spatial Rimless Wheel on Slope. Lecture Notes in Computer Science, 2021, , 482-493.	1.3	1
9	Optimum design of an eddy current damper considering the magnetic congregation effect. Journal Physics D: Applied Physics, 2020, 53, 115002.	2.8	11
10	High-Static–Low-Dynamic Stiffness Isolator With Tunable Electromagnetic Mechanism. IEEE/ASME Transactions on Mechatronics, 2020, 25, 316-326.	5.8	49
11	Design and experiment of bio-inspired GER fluid damper. Science China Information Sciences, 2020, 63, 1.	4.3	5
12	A tunable quasi-zero stiffness isolator based on a linear electromagnetic spring. Journal of Sound and Vibration, 2020, 482, 115449.	3.9	60
13	Design, testing and modelling of a tuneable GER fluid damper under shear mode. Smart Materials and Structures, 2020, 29, 085011.	3.5	13
14	Piezoelectric Energy Harvesting from Suspension Structures with Piezoelectric Layers. Sensors, 2020, 20, 3755.	3.8	4
15	An active hybrid control approach with the Fx-RLS adaptive algorithm for active-passive isolation structures. Smart Materials and Structures, 2020, 29, 105005.	3.5	7
16	A novel electromagnet-based absolute displacement sensor with approximately linear quasi-zero-stiffness. International Journal of Mechanical Sciences, 2020, 181, 105695.	6.7	22
17	An Adjustable Low-Frequency Vibration Isolation Stewart Platform Based On Electromagnetic Negative Stiffness. International Journal of Mechanical Sciences, 2020, 181, 105714.	6.7	47
18	Highly precise and efficient powder feeding system based on gravimetric feedback. Powder Technology, 2019, 354, 719-726.	4.2	7

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#	Article	IF	CITATIONS
19	Practical Kicking Motion Generation Method for NAO. , 2019, , .		2
20	Accelerating sample preparation of graded thermoelectric materials using an automatic powder feeding system. Advances in Manufacturing, 2019, 7, 278-287.	6.1	3
21	Development of Vibration Isolator With Controllable Stiffness Using Permanent Magnets and Coils. Journal of Vibration and Acoustics, Transactions of the ASME, 2019, 141, .	1.6	8
22	Development of continuum manipulator actuated by thin McKibben pneumatic artificial muscle. Mechatronics, 2019, 60, 56-65.	3.3	33
23	Micropipette Aspiration of Single Cells for Both Mechanical and Electrical Characterization. IEEE Transactions on Biomedical Engineering, 2019, 66, 3185-3191.	4.2	28
24	Design and Modeling an Elongatable Robotic Snake towards Augmented Serpentine Gait. , 2019, , .		1
25	Multi-layer electromagnetic spring with tunable negative stiffness for semi-active vibration isolation. Mechanical Systems and Signal Processing, 2019, 121, 942-960.	8.0	81
26	Modeling Electromagnetic Force and Axial-Stiffness for an Electromagnetic Negative-Stiffness Spring Toward Vibration Isolation. IEEE Transactions on Magnetics, 2019, 55, 1-10.	2.1	22
27	Optimized non-reciprocating legged gait for an eccentric paddle mechanism. Robotics and Autonomous Systems, 2018, 103, 83-92.	5.1	1
28	The Improvement of Dropout Strategy Based on Two Evolutionary Algorithms. , 2018, , .		1
29	Experimental Verification of the Oscillating Paddling Gait for an ePaddle-EGM Amphibious Locomotion Mechanism. IEEE Robotics and Automation Letters, 2017, 2, 2322-2327.	5.1	9
30	Mechanical design of a compact and dexterous quadruped robot. , 2017, , .		7
31	Generating Vectored Thrust With the Rotational Paddling Gait of an ePaddle-EGM Mechanism: Modeling and Experimental Verifications. IEEE Journal of Oceanic Engineering, 2017, 42, 522-531.	3.8	4
32	Toward a novel deformable robot mechanism to transition between spherical rolling and quadruped walking. , 2017, , .		3
33	Irradiation test of the control system of a tracked robot for nuclear disaster response. , 2017, , .		1
34	Modelling and analysis of the passive planar rimless wheel mechanism in universal domain. , 2017, , .		1
35	Modeling of lug-soil interaction forces acting on a single lug during rotational motion in sandy soil. , 2017, , .		0

36 Stiffness analysis and verification of one 3 - RPS parallel sensor. , 2017, , .

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#	Article	IF	CITATIONS
37	Design and analysis of a transformable spherical robot for multi-mode locomotion. , 2017, , .		5
38	Analysis of the non-reciprocating legged gait for a hexapod robot based on the ePaddle-EGM. Robotics and Biomimetics, 2016, 3, 9.	1.7	1
39	Design of a high-mobility multi-terrain robot based on eccentric paddle mechanism. Robotics and Biomimetics, 2016, 3, 8.	1.7	5
40	Modeling paddle-aided stair-climbing for a mobile robot based on eccentric paddle mechanism. , 2015, , .		8
41	Optimized non-reciprocating tripod gait for a hexapod robot with epicyclic-gear-based eccentric paddle mechanism. , 2015, , .		0
42	Quantitative study on the attachment and detachment of a passive suction cup. Vacuum, 2015, 116, 13-20.	3.5	34
43	Non-reciprocating legged gait for robot with epicyclic-gear-based eccentric paddle mechanism. Robotics and Autonomous Systems, 2015, 68, 36-46.	5.1	12
44	A continuous dynamic modeling approach for an omnidirectional mobile robot. Advanced Robotics, 2015, 29, 253-271.	1.8	4
45	Development of a waterproof servo unit for amphibious robots. , 2015, , .		5
46	Planar legged walking of a passive-spine hexapod robot. Advanced Robotics, 2015, 29, 1510-1525.	1.8	10
47	Influences of lug motion on lug-soil reaction forces in sandy soil. , 2014, , .		1
48	Improved effective design of the eccentric paddle mechanism for amphibious robots. , 2014, , .		3
49	Characteristics of lug-soil interaction forces acting on a rotating lug in sandy soil. , 2014, , .		1
50	Influence of moving direction on normal force acting on a single lug during translational motion in sandy soil. , 2014, , .		1
51	Effect of lug sinkage length to drawbar pull of a wheel with an actively actuated lug on sandy terrain. , 2014, , .		4
52	Characteristics of tangential force acting on a single lug with translational motion in sandy soil. , 2014, , .		0
53	Characteristics of normal and tangential forces acting on a single lug during translational motion in sandy soil. Journal of Terramechanics, 2014, 55, 47-59.	3.1	10
54	Drawbar pull of a wheel with an actively actuated lug on sandy terrain. Journal of Terramechanics, 2014, 56, 17-24.	3.1	27

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#	Article	IF	CITATIONS
55	STABILITY ANALYSIS AND GAIT PLANNING OF A QUADRUPED ROBOT BASED ON THE ECCENTRIC PADDLE MECHANISM. Control and Intelligent Systems, 2014, 42, .	0.3	0
56	Efficiency analysis of epicyclic gear mechanism of the improved ePaddle mechanism via virtual power. , 2013, , .		4
57	Design and locomotion simulation of an improved eccentric paddle mechanism for amphibious robots. , 2013, , .		5
58	Paddle trajectory generation for accessing soft terrain by an ePaddle locomotion mechanism. , 2013, , .		8
59	Towards stable and efficient legged race-walking of an ePaddle-based robot. Mechatronics, 2013, 23, 108-120.	3.3	16
60	Modeling of the oscillating-paddling gait for an ePaddle locomotion mechanism. , 2013, , .		8
61	A versatile locomotion mechanism for amphibious robots: eccentric paddle mechanism. Advanced Robotics, 2013, 27, 611-625.	1.8	24
62	Modeling the rotational paddling of an ePaddle-based amphibious robot. , 2012, , .		11
63	A multi-legged robot with less actuators by applying passive body segment joint. , 2012, , .		1
64	Planning of Legged Race-walking Gait for an ePaddle-based Amphibious Robot. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 218-223.	0.4	3
65	Experimental study on oscillating paddling gait of an eccentric paddle mechanism. , 2012, , .		8
66	Motion error compensation of multi-legged walking robots. Chinese Journal of Mechanical Engineering (English Edition), 2012, 25, 639-646.	3.7	8
67	A Cooperative Simulated Annealing Algorithm for the Optimization of Process Planning. Advanced Materials Research, 2011, 181-182, 489-494.	0.3	5
68	Multi-objective optimization algorithms for flow shop scheduling problem: a review and prospects. International Journal of Advanced Manufacturing Technology, 2011, 55, 723-739.	3.0	81
69	Legged gaits planning for a novel ePaddle-based amphibious robot. , 2011, , .		3
70	ePaddle mechanism: Towards the development of a versatile amphibious locomotion mechanism. , 2011, , ,		18
71	Decoupled kinematic control of terrestrial locomotion for an ePaddle-based reconfigurable amphibious robot. , 2011, , .		20
72	General Particle Swarm Optimization Algorithm for Integration of Process Planning and Scheduling. Advanced Materials Research, 2010, 118-120, 409-413.	0.3	0

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#	Article	IF	CITATIONS
73	Design of an eccentric paddle locomotion mechanism for amphibious robots. , 2010, , .		14
74	Reptile-Inspired Biomimetic Modeling Control Actuated by Behaviors. Advanced Robotics, 2009, 23, 847-864.	1.8	5
75	Control System of a Modular and Reconfigurable Multilegged Robot. , 2007, , .		4
76	Forward Kinematics Analysis and 3-Dimmision Gait Simulation of a MiniQuad Walking Robot. , 2007, , .		3
77	Modules Design of a Reconfigurable Multi-Legged Walking Robot. , 2006, , .		8
78	Biological Modeling Control of a Multilegged Walking Robot. , 2006, , .		4
79	Experimental study on the oscillating paddling gait of an ePaddle mechanism with flexible configuration. Advanced Robotics, 0, , 1-12.	1.8	4