

Rezvan Nasiri

List of Publications by Year in descending order

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papers

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citations

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18
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docs citations

18
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229
citing authors

#	ARTICLE	IF	CITATIONS
1	Reducing the Energy Cost of Human Running Using an Unpowered Exoskeleton. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 2026-2032.	4.9	97
2	Adaptation in Variable Parallel Compliance: Towards Energy Efficiency in Cyclic Tasks. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1059-1070.	5.8	27
3	Adaptive Natural Oscillator to exploit natural dynamics for energy efficiency. Robotics and Autonomous Systems, 2017, 97, 51-60.	5.1	19
4	Online Reference Trajectory Adaptation: A Personalized Control Strategy for Lower Limb Exoskeletons. IEEE Robotics and Automation Letters, 2022, 7, 128-134.	5.1	17
5	An Adaptive Assistance Controller to Optimize the Exoskeleton Contribution in Rehabilitation. Robotics, 2021, 10, 95.	3.5	13
6	Compliance and frequency optimization for energy efficiency in cyclic tasks. Robotica, 2017, 35, 2363-2380.	1.9	11
7	Simulation-based biomechanical assessment of unpowered exoskeletons for running. Scientific Reports, 2021, 11, 11846.	3.3	10
8	Design of a nonlinear adaptive natural oscillator: Towards natural dynamics exploitation in cyclic tasks. , 2016, , .		9
9	Feedback From Mono-Articular Muscles is Sufficient for Exoskeleton Torque Adaptation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 2097-2106.	4.9	9
10	Virtual Energy Regulator: A Time-Independent Solution for Control of Lower Limb Exoskeletons. IEEE Robotics and Automation Letters, 2021, 6, 7699-7705.	5.1	7
11	Natural Dynamics Exploitation of Dynamic Soaring: Towards Bio-Inspired and Energy Efficient Flying Locomotion. , 2018, , .		5
12	Design & modeling of a novel multi-functional elastic actuator (MFEA). , 2016, , .		4
13	An adaptable cat-inspired leg design with frequency-amplitude coupling. , 2016, , .		4
14	Human-in-the-Loop Weight Compensation in Upper Limb Wearable Robots Towards Total Musclesâ€™ Effort Minimization. IEEE Robotics and Automation Letters, 2022, 7, 3273-3278.	5.1	3
15	Realization of Nonlinear Adaptive Compliance: Towards Energy Efficiency in Cyclic Tasks. , 2019, , .		1