

Bernhard Penzlin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Design and Preliminary Validation of a Lower Limb Exoskeleton With Compact and Modular Actuation. IEEE Access, 2020, 8, 66338-66352.	4.2	20
2	Low Impedance-Guaranteed Gain-Scheduled GESO for Torque-Controlled VSA With Application of Exoskeleton-Assisted Sit-to-Stand. IEEE/ASME Transactions on Mechatronics, 2021, 26, 2080-2091.	5.8	14
3	Design and Analysis of a Clutched Parallel Elastic Actuator. Actuators, 2019, 8, 67.	2.3	12
4	Design and First Operation of an Active Lower Limb Exoskeleton with Parallel Elastic Actuation. Actuators, 2021, 10, 75.	2.3	10
5	Conceptual design, modeling and control of a rigid parallel serial-elastic actuator. Automatisierungstechnik, 2020, 68, 410-422.	0.8	7
6	Analysis, Design, and Preliminary Evaluation of a Parallel Elastic Actuator for Power-Efficient Walking Assistance. IEEE Access, 2020, 8, 88060-88075.	4.2	6
7	Dynamic Parameter Identification of a Human-Exoskeleton System With the Motor Torque Data. IEEE Transactions on Medical Robotics and Bionics, 2022, 4, 206-218.	3.2	5
8	Torque Estimation in Variable Stiffness Actuators. , 2016, , .		4
9	Quantification of respiratory sinus arrhythmia using the IPANEMA body sensor network. , 2016, , .		1