Chuong Ngo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4292317/publications.pdf

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22	263	1040056	996975
papers	citations	9	15
		h-index	g-index

22	22	22	262
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impedance-Controlled Variable Stiffness Actuator for Lower Limb Robot Applications. IEEE Transactions on Automation Science and Engineering, 2020, 17, 991-1004.	5.2	59
2	Global and regional lung function in cystic fibrosis measured by electrical impedance tomography. Pediatric Pulmonology, 2016, 51, 1191-1199.	2.0	26
3	Linearity of electrical impedance tomography during maximum effort breathing and forced expiration maneuvers. Physiological Measurement, 2017, 38, 77-86.	2.1	22
4	Flowâ€volume loops measured with electrical impedance tomography in pediatric patients with asthma. Pediatric Pulmonology, 2018, 53, 636-644.	2.0	14
5	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
6	An object-oriented computational model to study cardiopulmonary hemodynamic interactions in humans. Computer Methods and Programs in Biomedicine, 2018, 159, 167-183.	4.7	13
7	Design and Analysis of a Clutched Parallel Elastic Actuator. Actuators, 2019, 8, 67.	2.3	12
8	Electrical impedance tomography as possible guidance for individual positioning of patients with multiple lung injury. Clinical Respiratory Journal, 2018, 12, 68-75.	1.6	10
9	Estimation of Stride Time Variability in Unobtrusive Long-Term Monitoring Using Inertial Measurement Sensors. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1-1.	6.3	10
10	Design and First Operation of an Active Lower Limb Exoskeleton with Parallel Elastic Actuation. Actuators, 2021, 10, 75.	2.3	10
11	Evaluation and Application of a Customizable Wireless Platform: A Body Sensor Network for Unobtrusive Gait Analysis in Everyday Life. Sensors, 2020, 20, 7325.	3.8	9
12	A Wearable, Multi-Frequency Device to Measure Muscle Activity Combining Simultaneous Electromyography and Electrical Impedance Myography. Sensors, 2022, 22, 1941.	3.8	9
13	A Way of Bionic Control Based on EI, EMG, and FMG Signals. Sensors, 2022, 22, 152.	3.8	9
14	Determination of the Geometric Parameters of Electrode Systems for Electrical Impedance Myography: A Preliminary Study. Sensors, 2022, 22, 97.	3.8	8
15	Peak Detection Algorithm for Gait Segmentation in Long-Term Monitoring for Stride Time Estimation using Inertial Measurement Sensors. , 2019, , .		7
16	Conceptual design, modeling and control of a rigid parallel serial-elastic actuator. Automatisierungstechnik, 2020, 68, 410-422.	0.8	7
17	Model-Based Step Length Estimation Using a Pendant-Integrated Mobility Sensor. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 2655-2665.	4.9	6
18	Assessing regional lung mechanics by combining electrical impedance tomography and forced oscillation technique. Biomedizinische Technik, 2018, 63, 673-681.	0.8	5

#	Article	IF	Citations
19	Object-oriented modeling of thoracic fluid balance to study cardiogenic pulmonary congestion in humans. Computer Methods and Programs in Biomedicine, 2019, 180, 104998.	4.7	5
20	A Rotational Invariant Neural Network for Electrical Impedance Tomography Imaging without Reference Voltage: RF-REIM-NET. Diagnostics, 2022, 12, 777.	2.6	5
21	Implementation of LPV Hâˆž Loop-Shaping Control for a Variable Stiffness Actuator. IFAC-PapersOnLine, 2020, 53, 10129-10134.	0.9	3
22	Everyday Life Tremor Signal Processing in PD Patients using BSN. , 2021, , .		0