Margit Gfoehler

List of Publications by Year
in descending order

35	594	840776 11	642732 23
papers	citations	h-index	g-index

35	35	35	741
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sensitivity of muscle force estimates to variations in muscleâ€“tendon properties. Human Movement Science, 2007, 26, 306-319.	1.4	123
2	MUNDUS project: MUltimodal Neuroprosthesis for daily Upper limb Support. Journal of NeuroEngineering and Rehabilitation, 2013, 10, 66.	4.6	115
3	Quantitative evaluation of the major determinants of human gait. Journal of Biomechanics, 2014, 47, 1324-1331.	2.1	41
4	Dynamic simulation of FES-cycling: influence of individual parameters. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2004, 12, 398-405.	4.9	40
5	Functional and usability assessment of a robotic exoskeleton arm to support activities of daily life. Robotica, 2014, 32, 1213-1224.	1.9	33
6	Method for determining musculotendon parameters in subject-specific musculoskeletal models of children developed from MRI data. Multibody System Dynamics, 2012, 28, 143-156.	2.7	30
7	Feedback control of arm movements using Neuro-Muscular Electrical Stimulation (NMES) combined with a lockable, passive exoskeleton for gravity compensation. Frontiers in Neuroscience, 2014, 8, 262.	2.8	25
8	A Hybrid Robotic System for Arm Training of Stroke Survivors: Concept and First Evaluation. IEEE Transactions on Biomedical Engineering, 2019, 66, 3290-3300.	4.2	25
9	A Robotic System with EMG-Triggered Functional Eletrical Stimulation for Restoring Arm Functions in Stroke Survivors. Neurorehabilitation and Neural Repair, 2021, 35, 334-345.	2.9	25
10	Consequences of Ankle Joint Fixation on FES Cycling Power Output: A Simulation Study. Medicine and Science in Sports and Exercise, 2005, 37, 797-806.	0.4	24
11	Monitoring of spasticity and functional ability in individuals with incomplete spinal cord injury with a functional electrical stimulation cycling system. Journal of Rehabilitation Medicine, 2012, 44, 444-449.	1.1	14
12	BRIDGE â€" Behavioural reaching interfaces during daily antigravity activities through upper limb exoskeleton: Preliminary results. , 2017, 2017, 1007-1012.		10
13	The Retrainer Light-Weight Arm Exoskeleton: Effect of Adjustable Gravity Compensation on Muscle Activations and Forces. , 2018, , .		10
14	A generic musculoskeletal model of the juvenile lower limb for biomechanical analyses of gait. Computer Methods in Biomechanics and Biomedical Engineering, 2020, 24, 1-9.	1.6	10
15	Animal blood in translational research: How to adjust animal blood viscosity to the human standard. Physiological Reports, 2021, 9, e14880.	1.7	9
16	Alternative solution of virtual biomodeling based on CT-scans. Journal of Biomechanics, 2009, 42, 2006-2009.	2.1	8
17	Computation of Global and Local Mass Transfer in Hollow Fiber Membrane Modules. Sustainability, 2020, 12, 2207.	3.2	7
18	A preliminary muscle activity analysis: Handle based and push-rim wheelchair propulsion. Journal of Biomechanics, 2019, 89, 119-122.	2.1	6

#	Article	IF	Citations
19	Forward dynamic optimization of handle path and muscle activity for handle based isokinetic wheelchair propulsion: A simulation study. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 55-63.	1.6	5
20	Suitable CO2 Solubility Models for Determination of the CO2 Removal Performance of Oxygenators. Bioengineering, 2021, 8, 33.	3.5	5
21	Microstructured Hollow Fiber Membranes: Potential Fiber Shapes for Extracorporeal Membrane Oxygenators. Membranes, 2021, 11, 374.	3.0	5
22	Estimation Methods for Viscosity, Flow Rate and Pressure from Pump-Motor Assembly Parameters. Sensors, 2020, 20, 1451.	3.8	4
23	Kinematic and Kinetic Analysis of Human Motion as Design Input for an Upper Extremity Bracing System. , 2012, , .		4
24	Reaching and Grasping Training based on Robotic Hybrid Assistance for Neurological Patients. , 2016, , .		3
25	Wrist Kinematics and Kinetics during Wheelchair Propulsion with a Novel Handle-based Propulsion Mechanism. , 2018, 2018, 2146-2149.		2
26	Design of Control Strategies for the CO<inf>2</inf> Removal from Blood with an Intracorporeal Membrane Device. , 2018, , .		2
27	Non-parametric dynamical estimation of blood flow rate, pressure difference and viscosity for a miniaturized blood pump. International Journal of Artificial Organs, 2021, , 039139882110067.	1.4	2
28	Modular Instrumented Arm Orthosis with Weight Support for Application with NMES. Biosystems and Biorobotics, 2013, , 1159-1163.	0.3	2
29	Closed-loop Helium Circulation System for Actuation of a Continuously Operating Heart Catheter Pump. International Journal of Artificial Organs, 2017, 40, 272-281.	1.4	1
30	Basic Performance Tests of the MILL Intravascular CO2 Removal Catheter. , 2018, 2018, 1506-1509.		1
31	Water as a Blood Model for Determination of CO2 Removal Performance of Membrane Oxygenators. Membranes, 2021, 11, 356.	3.0	1
32	Passive Light-Weight Arm Exoskeleton: Possible Applications. Biosystems and Biorobotics, 2019, , 21-25.	0.3	1
33	Computational Fluid Dynamics and Experimental Analysis of Blood Gas Transport in a Hollow Fiber Module. IFMBE Proceedings, 2020, , 1453-1458.	0.3	1
34	Evaluation of Hemolysis Caused by a Miniature Heart Catheter Pump. , 2018, , .		0
35	Comparison of Three Control Strategies for an Upper Arm Rehabilitation Device. Biosystems and Biorobotics, 2019, , 162-166.	0.3	0