

Margit Gfoehler

List of Publications by Year in descending order

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35
papers

594
citations

840776

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35
docs citations

35
times ranked

741
citing authors

#	ARTICLE	IF	CITATIONS
1	Suitable CO ₂ Solubility Models for Determination of the CO ₂ Removal Performance of Oxygenators. <i>Bioengineering</i> , 2021, 8, 33.	3.5	5
2	A Robotic System with EMG-Triggered Functional Electrical Stimulation for Restoring Arm Functions in Stroke Survivors. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 334-345.	2.9	25
3	Water as a Blood Model for Determination of CO ₂ Removal Performance of Membrane Oxygenators. <i>Membranes</i> , 2021, 11, 356.	3.0	1
4	Microstructured Hollow Fiber Membranes: Potential Fiber Shapes for Extracorporeal Membrane Oxygenators. <i>Membranes</i> , 2021, 11, 374.	3.0	5
5	Animal blood in translational research: How to adjust animal blood viscosity to the human standard. <i>Physiological Reports</i> , 2021, 9, e14880.	1.7	9
6	Non-parametric dynamical estimation of blood flow rate, pressure difference and viscosity for a miniaturized blood pump. <i>International Journal of Artificial Organs</i> , 2021, , 039139882110067.	1.4	2
7	A generic musculoskeletal model of the juvenile lower limb for biomechanical analyses of gait. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2020, 24, 1-9.	1.6	10
8	Estimation Methods for Viscosity, Flow Rate and Pressure from Pump-Motor Assembly Parameters. <i>Sensors</i> , 2020, 20, 1451.	3.8	4
9	Computation of Global and Local Mass Transfer in Hollow Fiber Membrane Modules. <i>Sustainability</i> , 2020, 12, 2207.	3.2	7
10	Computational Fluid Dynamics and Experimental Analysis of Blood Gas Transport in a Hollow Fiber Module. <i>IFMBE Proceedings</i> , 2020, , 1453-1458.	0.3	1
11	A Hybrid Robotic System for Arm Training of Stroke Survivors: Concept and First Evaluation. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 3290-3300.	4.2	25
12	A preliminary muscle activity analysis: Handle based and push-rim wheelchair propulsion. <i>Journal of Biomechanics</i> , 2019, 89, 119-122.	2.1	6
13	Forward dynamic optimization of handle path and muscle activity for handle based isokinetic wheelchair propulsion: A simulation study. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2019, 22, 55-63.	1.6	5
14	Passive Light-Weight Arm Exoskeleton: Possible Applications. <i>Biosystems and Biorobotics</i> , 2019, , 21-25.	0.3	1
15	Comparison of Three Control Strategies for an Upper Arm Rehabilitation Device. <i>Biosystems and Biorobotics</i> , 2019, , 162-166.	0.3	0
16	Wrist Kinematics and Kinetics during Wheelchair Propulsion with a Novel Handle-based Propulsion Mechanism. , 2018, 2018, 2146-2149.		2
17	Evaluation of Hemolysis Caused by a Miniature Heart Catheter Pump. , 2018, , .		0
18	Design of Control Strategies for the CO ₂ Removal from Blood with an Intracorporeal Membrane Device. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Basic Performance Tests of the MILL Intravascular CO2 Removal Catheter. , 2018, 2018, 1506-1509.		1
20	The Retraîner Light-Weight Arm Exoskeleton: Effect of Adjustable Gravity Compensation on Muscle Activations and Forces. , 2018, , .		10
21	BRIDGE â€” Behavioural reaching interfaces during daily antigravity activities through upper limb exoskeleton: Preliminary results. , 2017, 2017, 1007-1012.		10
22	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
23	Reaching and Grasping Training based on Robotic Hybrid Assistance for Neurological Patients. , 2016, , .		3
24	Functional and usability assessment of a robotic exoskeleton arm to support activities of daily life. Robotica, 2014, 32, 1213-1224.	1.9	33
25	Quantitative evaluation of the major determinants of human gait. Journal of Biomechanics, 2014, 47, 1324-1331.	2.1	41
26	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
27	MUNDUS project: MULTimodal Neuroprosthesis for daily Upper limb Support. Journal of NeuroEngineering and Rehabilitation, 2013, 10, 66.	4.6	115
28	Modular Instrumented Arm Orthosis with Weight Support for Application with NMES. Biosystems and Biorobotics, 2013, , 1159-1163.	0.3	2
29	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
30	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
31	Kinematic and Kinetic Analysis of Human Motion as Design Input for an Upper Extremity Bracing System. , 2012, , .		4
32	Alternative solution of virtual biomodeling based on CT-scans. Journal of Biomechanics, 2009, 42, 2006-2009.	2.1	8
33	Sensitivity of muscle force estimates to variations in muscleâ€”tendon properties. Human Movement Science, 2007, 26, 306-319.	1.4	123
34	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
35	Dynamic simulation of FES-cycling: influence of individual parameters. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2004, 12, 398-405.	4.9	40