Daniel RÃ¼schen

List of Publications by Year
in descending order

18 papers	132 citations	1684188 5 h-index	1372567 10 g-index
22 all docs	22 docs citations	22 times ranked	166 citing authors

#	Article	IF	Citations
1	Robust decentralised control of a hydrodynamic human circulatory system simulator. Biomedical Signal Processing and Control, 2015, 20, 35-44.	5.7	26
2	Minimizing left ventricular stroke work with iterative learning flow profile control of rotary blood pumps. Biomedical Signal Processing and Control, 2017, 31, 444-451.	5.7	21
3	Multi-Sensor Calibration of Low-Cost Magnetic, Angular Rate and Gravity Systems. Sensors, 2015, 15, 25919-25936.	3.8	16
4	Active noise cancellation in headphones by digital robust feedback control. , 2016, , .		13
5	Online cardiac output estimation during transvalvular left ventricular assistance. Computer Methods and Programs in Biomedicine, 2019, 171, 87-97.	4.7	8
6	Robust physiological control of rotary blood pumps for heart failure therapy. Automatisierungstechnik, 2018, 66, 767-779.	0.8	7
7	Control of Adjustable Compliant Actuators. Machines, 2014, 2, 134-157.	2.2	5
8	Continuous Cardiac Output Estimation Under Left Ventricular Assistance. IFAC-PapersOnLine, 2015, 48, 569-574.	0.9	5
9	Benefits of object-oriented models and ModeliChart: modern tools and methods for the interdisciplinary research on smart biomedical technology. Biomedizinische Technik, 2017, 62, 111-121.	0.8	5
10	*In silico* and *in vitro* conductivity models of the left heart ventricle. Journal of Electrical Bioimpedance, 2020, 11, 62-71.	0.9	5
11	Heart phantom with electrical properties of heart muscle tissue. Current Directions in Biomedical Engineering, 2018, 4, 97-100.	0.4	4
12	Body sensor network-based strapdown orientation estimation: Application to human locomotion. , 2013, 2013, 6650480.		3
13	Real‐Time ECG Simulation for Hybrid Mock Circulatory Loops. Artificial Organs, 2018, 42, 131-140.	1.9	3
14	Hybrid mock circulatory loop for training and study purposes. , 2018, , .		3
15	Orientierungsschätzung mit einem Sliding Mode-Beobachter auf Basis Body Sensor Network-integrierter Inertialsensorik. Automatisierungstechnik, 2015, 63, 14-22.	0.8	2
16	Distributed parameter modeling of fluid transmission lines. Journal of Process Control, 2021, 106, 155-172.	3.3	2
17	Robust Assistance Control of Left Ventricular Assist Devices. IFMBE Proceedings, 2018, , 294-297.	0.3	1
18	Estimation of End:Diastolic Pressure via Deconvolution. , 0, , .		0