Mathias Forjan

List of Publications by Year
in descending order

30 papers	92 citations

1684188

5 h-index	

1588992

8 g-index	

33 all docs	33 docs citations
33 times ranked	126 citing authors

#	Article	IF	Citations
1	Experimental Evaluation of Dry Powder Inhalers during Inhalation and Exhalation Using a Model of the Human Respiratory System (xPULMâ„¢). Pharmaceutics, 2022, 14, 500.	4.5	5
2	Patientâ€"Ventilator Interaction Testing Using the Electromechanical Lung Simulator xPULMâ„¢ during V/A-C and PSV Ventilation Mode. Applied Sciences (Switzerland), 2021, 11, 3745.	2.5	2
3	Characteristic Waveforms for Testing of Medical Aerosol Inhalers. IFMBE Proceedings, 2021, , 240-246.	0.3	0
4	Integration of Health and Public Transport Data to Enable Decision Support for Seniors to Reduce Risk of Infection with Communicable Diseases. , 2020, , .		0
5	Electro-mechanical Lung Simulator Using Polymer and Organic Human Lung Equivalents for Realistic Breathing Simulation. Scientific Reports, 2019, 9, 19778.	3.3	10
6	Changes of particle deposition caused by different breathing patterns during active lung simulation. , 2019, 2019, 4969-4972.		1
7	Comparison of Mathematical and Controlled Mechanical Lung Simulation in Active Breathing and Ventilated State. IFAC-PapersOnLine, 2018, 51, 42-47.	0.9	7
8	A single point of contact data platform for rehabilitative exercises and equipment. , 2018, , .		1
9	Development of a Multi-Purpose Easy-to-Use Set of Tools for Home Based Rehabilitation. , 2018, , .		2
10	Actively Breathing Mechanical Lung Simulator Development and Preliminary Measurements. IFMBE Proceedings, 2018, , 751-754.	0.3	4
11	Evaluating wearable multimodal sensor insoles for motion-pattern measurements in stroke rehabilitation â€" A pilot study. , 2017, 2017, 1543-1548.		8
12	Development of a Multidisciplinary and Telemedicine Focused System Database. Studies in Health Technology and Informatics, 2017, 236, 144-151.	0.3	2
13	Setting up a Virtual Test Environment for User Group Specific Practical Exercises in eHealth eLearning Courses. Lecture Notes in Computer Science, 2016, , 41-47.	1.3	0
14	Applicability of IHE/Continua components for PHR systems: Learning from experiences. Computers in Biology and Medicine, 2015, 59, 186-193.	7.0	22
15	Development of Knowledge Profiles for International eHealth eLearning Courses. Studies in Health Technology and Informatics, 2015, 210, 556-60.	0.3	0
16	Development of a virtual lab for practical eLearning in eHealth. Studies in Health Technology and Informatics, 2015, 212, 103-10.	0.3	0
17	Bedside patient data viewer using RFID and e-Ink technology. Studies in Health Technology and Informatics, 2014, 198, 1-8.	0.3	1
18	LUMOR: an app for standardized control and monitoring of a porcine lung and its nutrient cycle. Studies in Health Technology and Informatics, 2014, 198, 79-86.	0.3	0

#	Article	IF	Citations
19	Certification programs for eHealth--status quo. Studies in Health Technology and Informatics, 2014, 198, 164-71.	0.3	0
20	Education for eHealth--a status analysis. Studies in Health Technology and Informatics, 2014, 198, 172-9.	0.3	1
21	Semi-automatic evaluation of intraocular lenses (IOL) using a mechanical eye model. , 2013, , .		4
22	Feasibility Check of OPTO-Electronic Volumetric Measurements Utilizing the i-Lung Model. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.8	0
23	Mechanical and Electrical Specifications of the Active Lung Simulator i-Lung â€" Development of i-Lung 1.0 to i-Lung 2.0. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 13-23.	0.4	2
24	Organ Telemonitoring in Ex-vivo Nutrition Circulation of Porcine Lungs Using Interoperability Standards. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 34-39.	0.4	1
25	The adolescence of electronic health records: Status and perspectives for large scale implementation. Acta Informatica Pragensia, 2013, 2, 30-38.	0.9	2
26	Sensor System Development for the Novel Spontaneous Active Breathing Lung Simulator, i-Lung. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 113-118.	0.4	2
27	Development of an Android App in Compliance with the Continua Health Alliance Design Guidelines for Medical Device Connectivity in mHealth. Biomedizinische Technik, 2012, 57, .	0.8	7
28	Enhancements of a mechanical lung simulator for ex vivo measuring of aerosol deposition in lungs. Biomedizinische Technik, 2012, 57, .	0.8	1
29	Overview of the "i-Lung" as Developing Active Lung Simulator Including Respiration Aerosol Measurement. , 2011, , .		2
30	Modellbildung und Simulation. Biomedizinische Technik, 2010, 55, 1-237.	0.8	4