Stephan M Jonas

List of Publications by Year
in descending order

54 papers	721 citations	14 h-index (623734)	24 g-index (610901)
60 all docs	60 docs citations	60 times ranked	1048 citing authors

#	Article	IF	Citations
1	Interrater reliability in the assessment of physiotherapy students. BMC Medical Education, 2022, 22, 186.	2.4	3
2	Evaluating 3D Human Motion Capture on Mobile Devices. Applied Sciences (Switzerland), 2022, 12, 4806.	2.5	6
3	mBalance: Detect Postural Imbalance with Mobile Devices. Studies in Health Technology and Informatics, 2022, 293, 30-38.	0.3	2
4	Deep-learning-based multi-class segmentation for automated, non-invasive routine assessment of human pluripotent stem cell culture status. Computers in Biology and Medicine, 2021, 129, 104172.	7.0	32
5	Mobile Motion Tracking for Disease Prevention and Rehabilitation Using Apple ARKit. Studies in Health Technology and Informatics, 2021, 279, 78-86.	0.3	5
6	Sensor Failure Detection in Ambient Assisted Living Using Association Rule Mining. Sensors, 2020, 20, 6760.	3.8	7
7	Hospital-wide ELectronic medical record evaluated computerised decision support system to improve outcomes of Patients with staphylococcal bloodstream infection (HELP): study protocol for a multicentre stepped-wedge cluster randomised trial. BMJ Open, 2020, 10, e033391.	1.9	6
8	Comparison of mobile and clinical EEG sensors through resting state simultaneous data collection. PeerJ, 2020, 8, e8969.	2.0	8
9	Quantitative Phenotyping of Xenopus Embryonic Heart Pathophysiology Using Hemoglobin Contrast Subtraction Angiography to Screen Human Cardiomyopathies. Frontiers in Physiology, 2019, 10, 1197.	2.8	1
10	Multi-modal and multiscale imaging approaches reveal novel cardiovascular pathophysiology in <i>Drosophila melanogaster</i>. Biology Open, 2019, 8, .	1.2	1
11	Visualizing flow in an intact CSF network using optical coherence tomography: implications for human congenital hydrocephalus. Scientific Reports, 2019, 9, 6196.	3.3	27
12	Recursive neural networks in hospital bed occupancy forecasting. BMC Medical Informatics and Decision Making, 2019, 19, 39.	3.0	24
13	A Holistic System for Pre-clinical Diagnosis of Sleep Disorders in the Home Environment. , 2019, , .		1
14	Validation of an mHealth App for Depression Screening and Monitoring (Psychologist in a Pocket): Correlational Study and Concurrence Analysis. JMIR MHealth and UHealth, 2019, 7, e12051.	3.7	13
15	Privacy-Preserving Record Grouping and Consent Management Based on a Public-Private Key Signature Scheme: Theoretical Analysis and Feasibility Study. Journal of Medical Internet Research, 2019, 21, e12300.	4.3	6
16	Learning Manual Skills with Smart Wearables. , 2019, , 229-250.		0
17	Evaluation of Deep Clustering for Diarization of Aphasic Speech. Studies in Health Technology and Informatics, 2019, 260, 81-88.	0.3	0
18	Case study in major quotation errors: a critical commentary on the Newcastle–Ottawa scale. European Journal of Epidemiology, 2018, 33, 1025-1031.	5.7	60

#	Article	IF	Citations
19	The mobile sleep lab app: An open-source framework for mobile sleep assessment based on consumer-grade wearable devices. Computers in Biology and Medicine, 2018, 103, 8-16.	7.0	16
20	Automatic Recognition of Epileptiform EEG Abnormalities. Studies in Health Technology and Informatics, 2018, 247, 171-175.	0.3	2
21	Automated Error Detection in Physiotherapy Training. Studies in Health Technology and Informatics, 2018, 248, 164-171.	0.3	2
22	Analysis of Craniocardiac Malformations in Xenopus using Optical Coherence Tomography. Scientific Reports, 2017, 7, 42506.	3.3	32
23	Deterioration of R-Wave Detection in Pathology and Noise: A Comprehensive Analysis Using Simultaneous Truth and Performance Level Estimation. IEEE Transactions on Biomedical Engineering, 2017, 64, 2163-2175.	4.2	15
24	Wearable Sensors for eLearning of Manual Tasks: Using Forearm EMG in Hand Hygiene Training. Sensors, 2016, 16, 1221.	3.8	34
25	OCT imaging of craniofacial anatomy in xenopus embryos (Conference Presentation). , 2016, , .		0
26	Towards efficient mobile image-guided navigation through removal of outliers. Eurasip Journal on Image and Video Processing, 2016, 2016, .	2.6	1
27	Feature description with SIFT, SURF, BRIEF, BRISK, or FREAK? A general question answered for bone age assessment. Computers in Biology and Medicine, 2016, 68, 67-75.	7.0	86
28	Smartphone-based diagnostic for preeclampsia: an mHealth solution for administering the Congo Red Dot (CRD) test in settings with limited resources. Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 166-173.	4.4	41
29	Psychologist in a Pocket: Lexicon Development and Content Validation of a Mobile-Based App for Depression Screening. JMIR MHealth and UHealth, 2016, 4, e88.	3.7	23
30	Gamification of Clinical Routine: The Dr. Fill Approach. Studies in Health Technology and Informatics, 2016, 225, 262-6.	0.3	5
31	Low-Cost Wearable for Fatigue and Back-Stress Measurement in Nursing. Studies in Health Technology and Informatics, 2016, 225, 372-6.	0.3	3
32	Gamification of Clinical Routine: The Dr. Fill Approach. Studies in Health Technology and Informatics, 2016, 225, 629-30.	0.3	0
33	IMAGO: Image-guided navigation forÂvisually impaired people. Journal of Ambient Intelligence and Smart Environments, 2015, 7, 679-692.	1.4	6
34	Human wound photogrammetry with low-cost hardware based on automatic calibration of geometry and color. Proceedings of SPIE, 2015, , .	0.8	3
35	Bone age assessment meets SIFT. Proceedings of SPIE, 2015, , .	0.8	4
36	Quantitative optical coherence tomography imaging of intermediate flow defect phenotypes in ciliary physiology and pathophysiology. Journal of Biomedical Optics, 2015, 20, 1.	2.6	14

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37	Outliers in 3D Point Clouds Applied to Efficient Image-Guided Localization. Informatik Aktuell, 2015, , 197-202.	0.6	0
38	Wearable Sensors in Medical Education: Supporting Hand Hygiene Training with a Forearm EMG. Studies in Health Technology and Informatics, 2015, 211, 286-91.	0.3	8
39	OC ToGo: bed site image integration into OpenClinica with mobile devices. Proceedings of SPIE, 2014, , .	0.8	4
40	Towards quantitative assessment of calciphylaxis. , 2014, , .		4
41	Wearable technology as a booster of clinical care. Proceedings of SPIE, 2014, , .	0.8	8
42	Simplifying Electronic Data Capture in Clinical Trials: Workflow Embedded Image and Biosignal File Integration and Analysis via Web Services. Journal of Digital Imaging, 2014, 27, 571-580.	2.9	14
43	Tumor Volume as a Prognostic Factor in Resectable Malignant Melanoma. Dermatology, 2014, 228, 66-70.	2.1	24
44	Urban Positioning Using Smartphone-Based Imaging. Informatik Aktuell, 2014, , 186-191.	0.6	2
45	Nicht-lineare Zeitnormierung im Langzeit-EKG. Informatik Aktuell, 2014, , 300-305.	0.6	3
46	An ImageJ Plugin for Whole Slide Imaging. Informatik Aktuell, 2014, , 415-420.	0.6	1
47	A novel approach to quantifying ciliary physiology: microfluidic mixing driven by a ciliated biological surface. Lab on A Chip, 2013, 13, 4160.	6.0	2
48	Quantification of microfluidic dye mixing using front line tracking in curvature scale space. Proceedings of SPIE, 2013, , .	0.8	0
49	Endogenous contrast blood flow imaging in embryonic hearts using hemoglobin contrast subtraction angiography. Optics Letters, 2012, 37, 2979.	3.3	10
50	eMedOffice: A web-based collaborative serious game for teaching optimal design of a medical practice. BMC Medical Education, 2012, 12, 104.	2.4	44
51	Entropy-based measures of in vivo cilia-driven microfluidic mixing derived from quantitative optical imaging. Proceedings of SPIE, 2012, , .	0.8	2
52	Microfluidic Phenotyping of Cilia-Driven Mixing for the Assessment of Respiratory Diseases. Informatik Aktuell, 2012, , 135-140.	0.6	0
53	Microfluidic characterization of cilia-driven fluid flow using optical coherence tomography-based particle tracking velocimetry. Biomedical Optics Express, 2011, 2, 2022.	2.9	72
54	White-space models for offline Arabic handwriting recognition. , 2008, , .		27