

Roman Kusche

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

176
citations

1478505

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1125743

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g-index

15
all docs

15
docs citations

15
times ranked

215
citing authors

#	ARTICLE	IF	CITATIONS
1	Dry electrodes for bioimpedance measurementsâ€™ design, characterization and comparison. Biomedical Physics and Engineering Express, 2018, 5, 015001.	1.2	37
2	Combining Bioimpedance and EMG Measurements for Reliable Muscle Contraction Detection. IEEE Sensors Journal, 2019, 19, 11687-11696.	4.7	31
3	A Multichannel Real-Time Bioimpedance Measurement Device for Pulse Wave Analysis. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 614-622.	4.0	29
4	A FPGA-Based Broadband EIT System for Complex Bioimpedance Measurementsâ€™ Design and Performance Estimation. Electronics (Switzerland), 2015, 4, 507-525.	3.1	25
5	Indoor Positioning via Artificial Magnetic Fields. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	11
6	Aortic Frequency Response Determination via Bioimpedance Plethysmography. IEEE Transactions on Biomedical Engineering, 2019, 66, 3238-3246.	4.2	7
7	Multi-Frequency Impedance Myography: The PhaseX Effect. IEEE Sensors Journal, 2021, 21, 3791-3798.	4.7	7
8	Galvanically Decoupled Current Source Modules for Multi-Channel Bioimpedance Measurement Systems. Electronics (Switzerland), 2017, 6, 90.	3.1	6
9	Respiration Monitoring by Combining EMG and Bioimpedance Measurements. IFMBE Proceedings, 2019, , 847-850.	0.3	6
10	Contact-Free Biosignal Acquisition via Capacitive and Ultrasonic Sensors. IEEE Access, 2020, 8, 95629-95641.	4.2	6
11	Wrist movement detection for prosthesis control using surface EMG and triaxial accelerometer. , 2017, , .		5
12	On the Utility of Bioimpedance in the Context of Myoelectric Control. IEEE Sensors Journal, 2021, 21, 19505-19515.	4.7	1
13	Mehrkanal-Bioimpedanz-Instrumentierung. , 2021, , .		0