

Matthew Schormans

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	An Implantable Phase Locked Loop MEMS-Based Readout System for Heart Transplantation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 4168-4172.	3.0	1
2	A Versatile Hermetically Sealed Microelectronic Implant for Peripheral Nerve Stimulation Applications. Frontiers in Neuroscience, 2021, 15, 681021.	2.8	4
3	1.2-V Energy-Efficient Wireless CMOS Potentiostat for Amperometric Measurements. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1700-1704.	3.0	6
4	Short-Range Quality-Factor Modulation (SQiRM) for Low Power High Speed Inductive Data Transfer. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 3254-3265.	5.4	7
5	Asymmetrical Sensing Configuration for Improved Sensitivity in Calorimetric High Flow Measurements in Constant Power Mode. , 2018, , .		1
6	Practical Inductive Link Design for Biomedical Wireless Power Transfer: A Tutorial. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 1112-1130.	4.0	107
7	A Low-Power, Wireless, Capacitive Sensing Frontend Based on a Self-Oscillating Inductive Link. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 2645-2656.	5.4	7
8	An Energy-Efficient 1.2V 4-Channel Wireless CMOS Potentiostat for Amperometric Biosensors. , 2018, , .		2
9	An Integrated Passive Phase-Shift Keying Modulator for Biomedical Implants With Power Telemetry Over a Single Inductive Link. IEEE Transactions on Biomedical Circuits and Systems, 2017, 11, 64-77.	4.0	60
10	Single-pulse harmonic modulation for short range biomedical inductive data transfer. , 2017, , .		4
11	Frequency Splitting Analysis and Compensation Method for Inductive Wireless Powering of Implantable Biosensors. Sensors, 2016, 16, 1229.	3.8	24
12	An implantable wireless multi-channel neural prosthesis for epidural stimulation. , 2016, , .		2
13	Live demonstration: An implantable wireless multi-channel neural prosthesis for epidural stimulation. , 2016, , .		0
14	Efficiency optimization of class-D biomedical inductive wireless power transfer systems by means of frequency adjustment. , 2015, 2015, 5473-6.		2