

Thomas Niederhauser

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

265
citations

840585

11
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940416

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all docs

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docs citations

16
times ranked

421
citing authors

#	ARTICLE	IF	CITATIONS
1	Multichannel esophageal signals to monitor respiratory rate in preterm infants. <i>Pediatric Research</i> , 2022, 91, 572-580.	1.1	2
2	Multichannel Esophageal Heart Rate Monitoring of Preterm Infants. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 1903-1912.	2.5	6
3	A miniaturized endocardial electromagnetic energy harvester for leadless cardiac pacemakers. <i>PLoS ONE</i> , 2020, 15, e0239667.	1.1	14
4	An Intracardiac Flow Based Electromagnetic Energy Harvesting Mechanism for Cardiac Pacing. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 530-538.	2.5	14
5	Toward a novel semi-invasive activation mapping tool for the diagnosis of supraventricular arrhythmias from the esophagus. <i>Annals of Noninvasive Electrocardiology</i> , 2019, 24, e12652.	0.5	1
6	Leadless cardiac resynchronization therapy: An in vivo proof-of-concept study of wireless pacemaker synchronization. <i>Heart Rhythm</i> , 2019, 16, 936-942.	0.3	12
7	Detection and quantification of overactive bladder activity in patients: Can we make it better and automatic?. <i>Neurourology and Urodynamics</i> , 2018, 37, 823-831.	0.8	14
8	Leadless Dual-Chamber Pacing. <i>JACC Basic To Translational Science</i> , 2018, 3, 813-823.	1.9	37
9	Fundamental characterization of conductive intracardiac communication for leadless multisite pacemaker systems. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2018, 13, 1-1.	2.7	16
10	Markers for silent atrial fibrillation in esophageal long-term electrocardiography. <i>Journal of Electrocardiology</i> , 2016, 49, 496-503.	0.4	2
11	A Baseline Wander Tracking System for Artifact Rejection in Long-Term Electrocardiography. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2016, 10, 255-265.	2.7	16
12	Graphics-Processor-Unit-Based Parallelization of Optimized Baseline Wander Filtering Algorithms for Long-Term Electrocardiography. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 1576-1584.	2.5	12
13	The first batteryless, solar-powered cardiac pacemaker. <i>Heart Rhythm</i> , 2015, 12, 1317-1323.	0.3	82
14	Electrocardiographic ST-segment monitoring during controlled occlusion of coronary arteries. <i>Journal of Electrocardiology</i> , 2014, 47, 29-37.	0.4	8
15	Software-based detection of atrial fibrillation in long-term ECGs. <i>Heart Rhythm</i> , 2014, 11, 933-938.	0.3	17
16	High-resolution esophageal long-term ECG allows detailed atrial wave morphology analysis in case of atrial ectopic beats. <i>Medical and Biological Engineering and Computing</i> , 2012, 50, 769-772.	1.6	12