

Jens Reermann

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

498
citations

759233

12
h-index

996975

15
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16
all docs

16
docs citations

16
times ranked

382
citing authors

#	ARTICLE	IF	CITATIONS
1	Exchange biased delta-E effect enables the detection of low frequency pT magnetic fields with simultaneous localization. Scientific Reports, 2021, 11, 5269.	3.3	27
2	Real-Time Biomagnetic Signal Processing for Uncooled Magnetometers in Cardiology. IEEE Sensors Journal, 2019, 19, 4237-4249.	4.7	12
3	Influence of the quality factor on the signal to noise ratio of magnetoelectric sensors based on the delta-E effect. Applied Physics Letters, 2019, 114, .	3.3	23
4	Wide Band Low Noise Love Wave Magnetic Field Sensor System. Scientific Reports, 2018, 8, 278.	3.3	89
5	Evaluation of magnetoelectric sensor systems for cardiological applications. Measurement: Journal of the International Measurement Confederation, 2018, 116, 230-238.	5.0	51
6	Noise Limits in Thin-Film Magnetoelectric Sensors With Magnetic Frequency Conversion. IEEE Sensors Journal, 2018, 18, 596-604.	4.7	21
7	Thermal-Mechanical Noise in Resonant Thin-Film Magnetoelectric Sensors. IEEE Sensors Journal, 2017, 17, 2338-2348.	4.7	24
8	Modeling and Analysis of Noise Sources for Thin-Film Magnetoelectric Sensors Based on the Delta-E Effect. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2771-2779.	4.7	24
9	Pushing the detection limit of thin film magnetoelectric heterostructures. Journal of Materials Research, 2017, 32, 1009-1019.	2.6	48
10	Electrically modulated magnetoelectric sensors. Applied Physics Letters, 2016, 108, .	3.3	51
11	Comparison of reference sensors for noise cancellation of magnetoelectric sensors. , 2016, , .		2
12	Multimode delta-E effect magnetic field sensors with adapted electrodes. Applied Physics Letters, 2016, 108, .	3.3	48
13	Tuning fork for noise suppression in magnetoelectric sensors. Sensors and Actuators A: Physical, 2016, 237, 91-95.	4.1	39
14	Adaptive Readout Schemes for Thin-Film Magnetoelectric Sensors Based on the delta-E Effect. IEEE Sensors Journal, 2016, 16, 4891-4900.	4.7	26
15	Adaptive Multi-mode Combination for Magnetoelectric Sensors Based on the Delta-E Effect. Procedia Engineering, 2015, 120, 536-539.	1.2	5
16	Adaptive Acoustic Noise Cancellation for Magnetoelectric Sensors. IEEE Sensors Journal, 2015, 15, 5804-5812.	4.7	8