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List of Publications by Year in descending order

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papers

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times ranked

371
citing authors

#	ARTICLE	IF	CITATIONS
1	Wearable Ball-Impact Piezoelectric Multi-Converters for Low-Frequency Energy Harvesting from Human Motion. <i>Sensors</i> , 2022, 22, 772.	3.8	16
2	High-Pressure Synthesis and Gas-Sensing Tests of 1-D Polymer/Aluminophosphate Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27237-27244.	8.0	5
3	Quartz Crystal Resonator Sensor With Printed-on-Crystal Coil for Dual-Harmonic Electromagnetic Contactless Interrogation. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 883-886.	3.0	1
4	Multi-frequency array of nonlinear piezoelectric converters for vibration energy harvesting. <i>Smart Materials and Structures</i> , 2020, 29, 085047.	3.5	12
5	Arrangement of Live Human Cells through Acoustic Waves Generated by Piezoelectric Actuators for Tissue Engineering Applications. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3477.	2.5	2
6	Snap-Through Buckling Mechanism for Frequency-up Conversion in Piezoelectric Energy Harvesting. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3614.	2.5	16
7	Technique and Circuit for Contactless Readout of Piezoelectric MEMS Resonator Sensors. <i>Sensors</i> , 2020, 20, 3483.	3.8	4
8	Flexible Passive Temperature Sensor Label with Contactless Interrogation. , 2019, , .		5
9	Low-Frequency RFID Signal and Power Transfer Circuitry for Capacitive and Resistive Mixed Sensor Array. <i>Electronics (Switzerland)</i> , 2019, 8, 675.	3.1	9
10	Printed Coil on Quartz Crystal Resonator Sensor for Electromagnetic Contactless Interrogation. , 2019, , .		0
11	Mems Device with Piezoelectric Actuators for Driving Mechanical Vortexes in Aqueous Solution Drop. , 2019, , .		3
12	Magnetless electromagnetic contactless interrogation technique for unwired conductive resonators. <i>Electronics Letters</i> , 2019, 55, 642-644.	1.0	9
13	Contactless Readout of Passive LC Sensors with Compensation Circuit for Distance-Independent Measurements. <i>Proceedings (mdpi)</i> , 2018, 2, 842.	0.2	1
14	Interrogation Techniques and Interface Circuits for Coil-Coupled Passive Sensors. <i>Micromachines</i> , 2018, 9, 449.	2.9	26
15	Electronic technique and circuit topology for accurate distance-independent contactless readout of passive LC sensors. <i>AEU - International Journal of Electronics and Communications</i> , 2018, 92, 82-85.	2.9	24
16	RFID powered system for contactless measurement of a resistive sensor array. , 2018, , .		1
17	A Low-Noise Charge Amplifier for the ELENA Trajectory, Orbit, and Intensity Measurement System. <i>IEEE Transactions on Nuclear Science</i> , 2017, 64, 2465-2473.	2.0	5
18	Passive LC sensor label with distance-independent contactless interrogation. , 2017, , .		10

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19	Piezoelectric Actuators for In-Liquid Particle Manipulation in Microfluidic Applications. Proceedings (mdpi), 2017, 1, .	0.2	1
20	Analysis and Validation of Contactless Time-Gated Interrogation Technique for Quartz Resonator Sensors. Sensors, 2017, 17, 1264.	3.8	23
21	Contactless Interrogation System for Capacitive Sensors with Time-Gated Technique. Proceedings (mdpi), 2017, 1, 395.	0.2	2
22	A Time-gated Contactless Interrogation System for Frequency and Quality Factor Tracking in QCR to Investigate on Liquid Solution Microdroplets. Procedia Engineering, 2016, 168, 704-707.	1.2	5
23	Low-Noise Charge Preamplifier for Electrostatic Beam Position Monitoring Sensor at the ELENA Experiment. Procedia Engineering, 2015, 120, 1229-1232.	1.2	1
24	Resonant Piezo-layer (RPL) Sensors with Contactless Interrogation for Food Monitoring from Outside Sealed Packages. Procedia Engineering, 2014, 87, 684-687.	1.2	2
25	Portable Energy-logger Circuit for the Experimental Evaluation of Energy Harvesting Solutions from Motion for Wearable Autonomous Sensors. Procedia Engineering, 2014, 87, 1230-1233.	1.2	5
26	Compact DDS-based system for contactless interrogation of resonant sensors based on time-gated technique. , 2014, , .		7
27	Contactless Electromagnetic Interrogation of Quartz Crystal Resonator Sensors. Lecture Notes in Electrical Engineering, 2014, , 439-444.	0.4	0
28	Piezoelectric resonant sensors with contactless interrogation for mass-sensitive and acoustic-load detection. Sensors and Actuators A: Physical, 2013, 202, 100-105.	4.1	21
29	Contactless Time-Gated Technique for Electromagnetic Interrogation of Micromechanical Resonator Sensors. Sensor Letters, 2013, 11, 294-298.	0.4	2
30	Impact-Enhanced Multi-Beam Piezoelectric Converter for Energy Harvesting in Autonomous Sensors. Procedia Engineering, 2012, 47, 418-421.	1.2	18
31	Piezoelectric Resonant Sensors with Contactless Interrogation for Mass-Sensitive and Acoustic-Load Detection. Procedia Engineering, 2012, 47, 442-445.	1.2	0
32	A Nonlinear Energy Harvester by Direct Printing Technology. Procedia Engineering, 2012, 47, 933-936.	1.2	19
33	Nonlinear Multi-Frequency Converter Array for Vibration Energy Harvesting in Autonomous Sensors. Procedia Engineering, 2012, 47, 410-413.	1.2	17
34	Sensors and energy harvesters based on piezoelectric thick films. Procedia Engineering, 2011, 25, 737-744.	1.2	16
35	Electromagnetic contactless interrogation technique for quartz resonator sensors. , 2011, , .		2
36	A single-magnet nonlinear piezoelectric converter for enhanced energy harvesting from random vibrations. Sensors and Actuators A: Physical, 2011, 172, 287-292.	4.1	95

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37	Contactless electromagnetic switched interrogation of micromechanical cantilever resonators. Sensors and Actuators A: Physical, 2011, 172, 195-203.	4.1	13
38	Contactless electromagnetic switched interrogation of micromechanical cantilever resonators. Procedia Engineering, 2010, 5, 1031-1034.	1.2	2
39	Numerical and experimental investigation on contactless resonant sensors. Sensors and Actuators A: Physical, 2010, 162, 329-335.	4.1	32
40	Time-gated technique for contactless electromagnetic interrogation of MEMS resonators. , 2010, , .		1
41	Contactless electromagnetic interrogation of a MEMS-based microresonator used as passive sensing element. , 2009, , .		5
42	Numerical and Experimental Investigation on Contactless Resonant Sensors. Procedia Chemistry, 2009, 1, 1391-1394.	0.7	1
43	Cost-effective system for the characterization of microstructures vibrating in out-of-plane modes. Sensors and Actuators A: Physical, 2008, 142, 270-275.	4.1	7
44	Contactless electromagnetic excitation of resonant sensors made of conductive miniaturized structures. Sensors and Actuators A: Physical, 2008, 148, 44-50.	4.1	16
45	Contactless Excitation and Readout of Passive Sensing Elements Made by Miniaturized Mechanical Resonators. , 2007, , .		10
46	Contactless Electromagnetic Excitation of Conductive Microstructures for Resonant Sensors. , 2007, , .		1
47	Contactless system for dynamic characterisation of microresonators. Electronics Letters, 2006, 42, 525.	1.0	3