

Jaewoo Lee

List of Publications by Year in descending order

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22
papers

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all docs

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docs citations

23
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190
citing authors

#	ARTICLE	IF	CITATIONS
1	Gaped Two-Loop Antenna-Based Magnetic Transceiver With an Empirical Model for Wireless Underground Communication. IEEE Access, 2021, 9, 34962-34974.	4.2	4
2	Giant Magnetoimpedance Receiver With a Double-Superheterodyne Topology for Magnetic Communication. IEEE Access, 2021, 9, 82903-82908.	4.2	6
3	Impedance spectroscopy-based electrical equivalent model of a thermoelectric module for the figure of merit (ZT). Solid-State Electronics, 2020, 163, 107663.	1.4	3
4	Artificial Perspiration Membrane by Programmed Deformation of Thermoresponsive Hydrogels. Advanced Materials, 2020, 32, e1905901.	21.0	17
5	A Novel Experimental Approach to the Applicability of High-Sensitivity Giant Magneto-Impedance Sensors in Magnetic Field Communication. IEEE Access, 2020, 8, 193091-193101.	4.2	10
6	CMOS-Compatible Mid-Infrared MEMS Thermopile Integrated With an RTD For Flame Sensing In IoT Application. , 2019, , .		1
7	Wafer-Level-Based Open-Circuit Sensitivity Model from Theoretical ALEM and Empirical OSCM Parameters for a Capacitive MEMS Acoustic Sensor. Sensors, 2019, 19, 488.	3.8	1
8	Design and Experimental Investigation of Thermoelectric Generators for Wearable Applications. Advanced Materials Technologies, 2017, 2, 1600292.	5.8	28
9	Doping-concentration-dependent electric and thermoelectric properties of 2-dimensional silicon thin films. Journal of the Korean Physical Society, 2016, 68, 1472-1475.	0.7	1
10	A concave-patterned TiN/PECVD-Si ₃ N ₄ â€%TiN diaphragm MEMS acoustic sensor based on a polyimide sacrificial layer. Journal of Micromechanics and Microengineering, 2015, 25, 125022.	2.6	6
11	The Effect of Back-chamber Volume on the Surface micromachined Acoustic Sensor. , 2014, , .		0
12	Bottomâ€inletâ€type microâ€electroâ€mechanical system acoustic sensors based on two polyimide/amorphousâ€Si sacrificial layers. Micro and Nano Letters, 2014, 9, 845-849.	1.3	3
13	Structure-based equivalent circuit modeling of a capacitive-type MEMS microphone. , 2012, , .		2
14	Micro energy management for energy harvesting at maximum power point. , 2011, , .		10
15	A surface-micromachined MEMS acoustic sensor with back-plate anchors of 100 µm depth. , 2011, , .		5
16	Z-axis capacitive MEMS accelerometer with moving ground masses. , 2010, , .		0
17	A surface-micromachined MEMS acoustic sensor with X-shape bottom electrode anchor. , 2009, , .		8
18	Fabrication and Characterization of Surface-Micromachined Compact Microheater for Gas Sensing Applications. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
19	A low-loss single-pole six-throw switch based on compact RF MEMS switches. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 3335-3344.	4.6	49
20	A single-pole 6-throw (SP6T) antenna switch using metal-contact RF MEMS switches for multi-band applications. , 2005, , .		2
21	Fabrication and Modeling of Submicron InGaP/GaAs HBTs by Using a Structure-Based Hybrid- π Small-Signal Model. Journal of the Korean Physical Society, 2003, 43, 918-923.	0.7	1
22	A π Small-Signal Model of MEMS Series Switches Based on the Parameter- Extraction Method. , 0, , .		0