# Jaewoo Lee

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7137899/publications.pdf

Version: 2024-02-01

| 22 | 158 | 1684188 5 | 1281871 11 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 23 | 23 | 23 | 190 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Design and Experimental Investigation of Thermoelectric Generators for Wearable Applications. Advanced Materials Technologies, 2017, 2, 1600292. | 5.8 | 28 |
| 3 | Artificial Perspiration Membrane by Programmed Deformation of Thermoresponsive Hydrogels. Advanced Materials, 2020, 32, e1905901. | 21.0 | 17 |
| 4 | Micro energy management for energy harvesting at maximum power point. , 2011, , . | | 10 |
| 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 | A surface-micromachined MEMS acoustic sensor with X-shape bottom electrode anchor. , 2009, , . | | 8 |
| 7 | A concave-patterned TiN/PECVD-Si<sub>3</sub>N<sub>4</sub>â€‰/TiN diaphragm MEMS acoustic sensor based on a polyimide sacrificial layer. Journal of Micromechanics and Microengineering, 2015, 25, 125022. | 2.6 | 6 |
| 8 | Giant Magnetoimpedance Receiver With a Double-Superheterodyne Topology for Magnetic Communication. IEEE Access, 2021, 9, 82903-82908. | 4.2 | 6 |
| 9 | A surface-micromachined MEMS acoustic sensor with back-plate anchors of 100 µm depth. , 2011, , . | | 5 |
| 10 | Gaped Two-Loop Antenna-Based Magnetic Transceiver With an Empirical Model for Wireless Underground Communication. IEEE Access, 2021, 9, 34962-34974. | 4.2 | 4 |
| 11 | 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 |
| 12 | 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 |
| 13 | A single-pole 6-throw (SP6T) antenna switch using metal-contact RF MEMS switches for multi-band applications. , 2005, , . | | 2 |
| 14 | Structure-based equivalent circuit modeling of a capacitive-type MEMS microphone. , 2012, , . | | 2 |
| 15 | 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 |
| 16 | CMOS-Compatible Mid-Infrared MEMS Thermopile Integrated With an RTD For Flame Sensing In IoT Application. , 2019, , . | | 1 |
| 17 | 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 |
| 18 | Fabrication and Modeling of Submicon InGaP/GaAs HBTs by Using a Structure-Based Hybrid-$pi$ Small-Signal Model. Journal of the Korean Physical Society, 2003, 43, 918-923. | 0.7 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A π Small-Signal Model of MEMS Series Switches Based on the Parameter- Extraction Method. , 0, , . | | 0 |
| 20 | Fabrication and Characterization of Surface-Micromachined Compact Microheater for Gas Sensing Applications. , 2008, , . | | 0 |
| 21 | Z-axis capacitive MEMS accelerometer with moving ground masses. , 2010, , . | | 0 |
| 22 | The Effect of Back-chamber Volume on the Surface micromachined Acoustic Sensor. , 2014, , . | | 0 |