

# Simone Dalola

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

398  
citations

933447

10  
h-index

888059

17  
g-index

22  
all docs

22  
docs citations

22  
times ranked

482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Thermoelectric Modules for Powering Autonomous Sensors. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 99-107.	4.7	133
2	Triaxial ball-impact piezoelectric converter for autonomous sensors exploiting energy harvesting from vibrations and human motion. Sensors and Actuators A: Physical, 2015, 233, 569-581.	4.1	42
3	Autonomous Sensor System With Power Harvesting for Telemetric Temperature Measurements of Pipes. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 1471-1478.	4.7	41
4	Pyroelectric effect in PZT thick films for thermal energy harvesting in low-power sensors. Procedia Engineering, 2010, 5, 685-688.	1.2	33
5	MEMS Thermal Flow Sensor With Smart Electronic Interface Circuit. IEEE Sensors Journal, 2012, 12, 3318-3328.	4.7	32
6	Integration of ZnO and CuO nanowires into a thermoelectric module. Beilstein Journal of Nanotechnology, 2014, 5, 927-936.	2.8	27
7	Micromachined piezoresistive inclinometer with oscillator-based integrated interface circuit and temperature readout. Measurement Science and Technology, 2012, 23, 035107.	2.6	14
8	Seebeck effect in ZnO nanowires for micropower generation. Procedia Engineering, 2011, 25, 1481-1484.	1.2	13
9	Planar Thermoelectric Generator based on Metal-Oxide Nanowires for Powering Autonomous Microsystems. Procedia Engineering, 2012, 47, 346-349.	1.2	12
10	Multi-frequency array of nonlinear piezoelectric converters for vibration energy harvesting. Smart Materials and Structures, 2020, 29, 085047.	3.5	12
11	Low-Frequency RFID Signal and Power Transfer Circuitry for Capacitive and Resistive Mixed Sensor Array. Electronics (Switzerland), 2019, 8, 675.	3.1	9
12	Autonomous Sensor System with RF Link and Thermoelectric Generator for Power Harvesting. , 2008, , .		8
13	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
14	Ball-impact Piezoelectric Converter for Multi-degree-of-freedom Energy Harvesting from Broadband Low-frequency Vibrations in Autonomous Sensors. Procedia Engineering, 2014, 87, 1529-1532.	1.2	5
15	Highly sensitive smart flow sensor with frequency and duty cycle output. Procedia Engineering, 2010, 5, 528-531.	1.2	4
16	Design and fabrication of a novel MEMS thermoelectric generator. Procedia Engineering, 2011, 25, 207-210.	1.2	4
17	Smart flow sensor with combined frequency, duty-cycle, and amplitude output. , 2010, , .		1
18	Piezoelectric Actuators for In-Liquid Particle Manipulation in Microfluidic Applications. Proceedings (mdpi), 2017, 1, .	0.2	1

#	ARTICLE	IF	CITATIONS
19	RFID powered system for contactless measurement of a resistive sensor array. , 2018, , .		1
20	Investigation of Seebeck Effect in Metal Oxide Nanowires for Powering Autonomous Microsystems. Lecture Notes in Electrical Engineering, 2014, , 3-7.	0.4	1
21	Investigation of Seebeck Effect in ZnO Nanowires for Micropower Generation in Autonomous Sensor Systems. Lecture Notes in Electrical Engineering, 2014, , 245-249.	0.4	0
22	A MEMS Piezoresistive Inclination Sensor with CMOS ASIC Front-End Interface. Lecture Notes in Electrical Engineering, 2010, , 353-357.	0.4	0