

# Andrea Adami

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

730  
citations

933447

10  
h-index

580821

25  
g-index

40  
all docs

40  
docs citations

40  
times ranked

836  
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezoelectric oxide semiconductor field effect transistor touch sensing devices. Applied Physics Letters, 2009, 95, .	3.3	145
2	Towards Tactile Sensing System on Chip for Robotic Applications. IEEE Sensors Journal, 2011, 11, 3216-3226.	4.7	126
3	Gas-Drone: Portable gas sensing system on UAVs for gas leakage localization. , 2014, , .		71
4	Fabrication of single crystal silicon micro-/nanostructures and transferring them to flexible substrates. Microelectronic Engineering, 2012, 98, 502-507.	2.4	55
5	Tactile Sensing Chips With POSFET Array and Integrated Interface Electronics. IEEE Sensors Journal, 2014, 14, 3448-3457.	4.7	52
6	A Smart Watch with Embedded Sensors to Recognize Objects, Grasps and Forearm Gestures. Procedia Engineering, 2012, 41, 1169-1175.	1.2	46
7	Development of a gas chromatography silicon-based microsystem in clinical diagnostics. Biosensors and Bioelectronics, 2005, 20, 1968-1976.	10.1	35
8	An unconventional approach to impedance microbiology: Detection of culture media conductivity variations due to bacteriophage generated lyses of host bacteria. Biosensors and Bioelectronics, 2015, 67, 615-620.	10.1	18
9	Delamination phenomena in aluminum/polyimide deformable interconnects: In-situ micro-tensile testing. Materials and Design, 2016, 89, 121-128.	7.0	18
10	Precise dot inkjet printing through multifactorial statistical optimization of the piezoelectric actuator waveform. Flexible and Printed Electronics, 2020, 5, 045002.	2.7	16
11	Microcantilever Based Dual Mode Biosensor for Agricultural Applications. IEEE Sensors Journal, 2020, 20, 6826-6832.	4.7	12
12	POSFET tactile sensing chips using CMOS technology. , 2013, , .		11
13	A novel approach to data analysis for semiconductor metal-oxide gas sensors in chromatographic systems. Sensors and Actuators B: Chemical, 2010, 147, 1-4.	7.8	10
14	Microfluidic Sample Preparation Methods for the Analysis of Milk Contaminants. Journal of Sensors, 2016, 2016, 1-9.	1.1	10
15	CMOS Implementation of POSFET Tactile Sensing Arrays with on Chip Readout. , 2010, , .		9
16	Development of an integrated electrochemical system for in vitro yeast viability testing. Biosensors and Bioelectronics, 2013, 40, 315-322.	10.1	9
17	Multivariable optimization of inkjet printing process of Ag nanoparticle ink on Kapton. , 2020, , .		9
18	Bendable ultra-thin silicon chips on foil. , 2012, , .		8

#	ARTICLE	IF	CITATIONS
19	Development and characterization of a microthermoelectric generator with plated copper/constantan thermocouples. <i>Microsystem Technologies</i> , 2014, 20, 585-592.	2.0	8
20	A Micro Polymerase Chain Reaction Module for Integrated and Portable DNA Analysis Systems. <i>Journal of Sensors</i> , 2011, 2011, 1-7.	1.1	7
21	A dry film technology for the manufacturing of 3-D multi-layered microstructures and buried channels for lab-on-chip. <i>Microsystem Technologies</i> , 2019, 25, 3219-3233.	2.0	7
22	Design of Experiment Rational Optimization of an Inkjet Deposition of Silver on Kapton. <i>IEEE Sensors Journal</i> , 2021, 21, 26304-26310.	4.7	7
23	Microcantilever Based Dual Mode Optical Biosensor for Agricultural Pathogen Detection. , 2018, , .		6
24	Developing a genomic-based point-of-care diagnostic system for rheumatoid arthritis and multiple sclerosis. , 2009, 2009, 827-30.		5
25	POSFET Tactile Sensing Arrays using CMOS Technology. <i>Procedia Engineering</i> , 2012, 47, 894-897.	1.2	5
26	Continuous extraction of proteins with a miniaturized electrical split-flow cell equipped with suspended splitters fabricated by dry film lamination. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 627-634.	7.8	5
27	State of the art and perspectives on the fabrication of functional contact lenses. , 2013, , .		4
28	<title>Microhotplate-based silicon gas sensor arrays with linear temperature gradient for wine quality monitoring</title>. , 2005, , .		3
29	A liquid chromatography miniaturised system for agrofood applications. <i>Microsystem Technologies</i> , 2008, 14, 551-556.	2.0	2
30	Design of aluminum/polyimide stretchable interconnects investigated through in-situ testing. , 2015, , .		2
31	A Miniaturized SPLITT System for On-Line Protein Separation. <i>Proceedings (mdpi)</i> , 2017, 1, 527.	0.2	2
32	Piezo-Polymer-FET Devices Based Tactile Sensors for Humanoid Robots. <i>Lecture Notes in Electrical Engineering</i> , 2010, , 369-372.	0.4	2
33	Design of a cantilever-based system for DNA detection. , 2011, , .		1
34	Design of a cantilever-based system for genomic applications. <i>Procedia Engineering</i> , 2011, 25, 399-402.	1.2	1
35	Proof of Principle of a Novel Impedance Microbiology Method Based on Bacteriophages Functionalized Paramagnetic Nanobeads. <i>Procedia Engineering</i> , 2014, 87, 328-331.	1.2	1
36	Design of an electrophoretic module for protein separation. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
37	Development of a pH Sensor with Integrated Reference Electrode for Cell Culture Monitoring. Lecture Notes in Electrical Engineering, 2014, , 481-485.	0.4	1
38	Development of MEMS-based liquid chromatography modules for agrofood applications. , 2007, , .		0
39	Sensing technology for foodborne pathogen detection. , 2015, , .		0