

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	Design of Experiment Rational Optimization of an Inkjet Deposition of Silver on Kapton. IEEE Sensors Journal, 2021, 21, 26304-26310.	4.7	7
2	Microcantilever Based Dual Mode Biosensor for Agricultural Applications. IEEE Sensors Journal, 2020, 20, 6826-6832.	4.7	12
3	Precise dot inkjet printing through multifactorial statistical optimization of the piezoelectric actuator waveform. Flexible and Printed Electronics, 2020, 5, 045002.	2.7	16
4	Multivariable optimization of inkjet printing process of Ag nanoparticle ink on Kapton. , 2020, , .		9
5	A dry film technology for the manufacturing of 3-D multi-layered microstructures and buried channels for lab-on-chip. Microsystem Technologies, 2019, 25, 3219-3233.	2.0	7
6	Microcantilever Based Dual Mode Optical Biosensor for Agricultural Pathogen Detection. , 2018, , .		6
7	Continuous extraction of proteins with a miniaturized electrical split-flow cell equipped with suspended splitters fabricated by dry film lamination. Sensors and Actuators B: Chemical, 2018, 273, 627-634.	7.8	5
8	A Miniaturized SPLITT System for On-Line Protein Separation. Proceedings (mdpi), 2017, 1, 527.	0.2	2
9	Microfluidic Sample Preparation Methods for the Analysis of Milk Contaminants. Journal of Sensors, 2016, 2016, 1-9.	1.1	10
10	Design of an electrophoretic module for protein separation. , 2016, , .		1
11	Delamination phenomena in aluminum/polyimide deformable interconnects: In-situ micro-tensile testing. Materials and Design, 2016, 89, 121-128.	7.0	18
12	Sensing technology for foodborne pathogen detection. , 2015, , .		0
13	Design of aluminum/polyimide stretchable interconnects investigated through in-situ testing. , 2015, , .		2
14	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
15	Gas-Drone: Portable gas sensing system on UAVs for gas leakage localization. , 2014, , .		71
16	Tactile Sensing Chips With POSFET Array and Integrated Interface Electronics. IEEE Sensors Journal, 2014, 14, 3448-3457.	4.7	52
17	Development and characterization of a microthermoelectric generator with plated copper/constantan thermocouples. Microsystem Technologies, 2014, 20, 585-592.	2.0	8
18	Proof of Principle of a Novel Impedance Microbiology Method Based on Bacteriophages Functionalized Paramagnetic Nanobeads. Procedia Engineering, 2014, 87, 328-331.	1.2	1

#	ARTICLE	IF	CITATIONS
19	Development of a pH Sensor with Integrated Reference Electrode for Cell Culture Monitoring. Lecture Notes in Electrical Engineering, 2014, , 481-485.	0.4	1
20	POSFET tactile sensing chips using CMOS technology. , 2013, , .		11
21	Development of an integrated electrochemical system for in vitro yeast viability testing. Biosensors and Bioelectronics, 2013, 40, 315-322.	10.1	9
22	State of the art and perspectives on the fabrication of functional contact lenses. , 2013, , .		4
23	A Smart Watch with Embedded Sensors to Recognize Objects, Grasps and Forearm Gestures. Procedia Engineering, 2012, 41, 1169-1175.	1.2	46
24	Fabrication of single crystal silicon micro-/nanostructures and transferring them to flexible substrates. Microelectronic Engineering, 2012, 98, 502-507.	2.4	55
25	Bendable ultra-thin silicon chips on foil. , 2012, , .		8
26	POSFET Tactile Sensing Arrays using CMOS Technology. Procedia Engineering, 2012, 47, 894-897.	1.2	5
27	Design of a cantilever-based system for DNA detection. , 2011, , .		1
28	Towards Tactile Sensing System on Chip for Robotic Applications. IEEE Sensors Journal, 2011, 11, 3216-3226.	4.7	126
29	Design of a cantilever-based system for genomic applications. Procedia Engineering, 2011, 25, 399-402.	1.2	1
30	A Micro Polymerase Chain Reaction Module for Integrated and Portable DNA Analysis Systems. Journal of Sensors, 2011, 2011, 1-7.	1.1	7
31	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
32	CMOS Implementation of POSFET Tactile Sensing Arrays with on Chip Readout. , 2010, , .		9
33	Piezo-Polymer-FET Devices Based Tactile Sensors for Humanoid Robots. Lecture Notes in Electrical Engineering, 2010, , 369-372.	0.4	2
34	Piezoelectric oxide semiconductor field effect transistor touch sensing devices. Applied Physics Letters, 2009, 95, .	3.3	145
35	Developing a genomic-based point-of-care diagnostic system for rheumatoid arthritis and multiple sclerosis. , 2009, 2009, 827-30.		5
36	A liquid chromatography miniaturised system for agrofood applications. Microsystem Technologies, 2008, 14, 551-556.	2.0	2

#	ARTICLE	IF	CITATIONS
37	Development of MEMS-based liquid chromatography modules for agrofood applications. , 2007, , .		0
38	<title>Microhotplate-based silicon gas sensor arrays with linear temperature gradient for wine quality monitoring</title>. , 2005, , .		3
39	Development of a gas chromatography silicon-based microsystem in clinical diagnostics. Biosensors and Bioelectronics, 2005, 20, 1968-1976.	10.1	35