

# Viviana Mulloni

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6316963/viviana-mulloni-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

838

citations

16

h-index

27

g-index

70

ext. papers

954

ext. citations

2.5

avg, IF

4.23

L-index

#	Paper	IF	Citations
62	Chipless RFID Sensing System for Precise Ethanol Determination in Alcoholic Solutions. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 735	2.6	0
61	Improving the Sensitivity of Chipless RFID Sensors: The Case of a Low-Humidity Sensor. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2861	2.6	4
60	Aluminum doped zinc oxide coatings at low temperature by atmospheric pressure plasma jet. <i>Thin Solid Films</i> , <b>2020</b> , 708, 138118	2.2	5
59	Chipless RFID Sensors for the Internet of Things: Challenges and Opportunities. <i>Sensors</i> , <b>2020</b> , 20,	3.8	35
58	DESIGN OF AN ULTRA WIDE BAND ANTENNA BASED ON A SIW RESONATOR. <i>Progress in Electromagnetics Research C</i> , <b>2020</b> , 103, 187-197	0.9	
57	Precise dot inkjet printing through multifactorial statistical optimization of the piezoelectric actuator waveform. <i>Flexible and Printed Electronics</i> , <b>2020</b> , 5, 045002	3.1	13
56	A Preliminary Microwave Frequency Characterization of a Nafion-Based Chipless Sensor for Humidity Monitoring <b>2020</b> ,		5
55	Instability and Drift Phenomena in Switching RF-MEMS Microsystems. <i>Actuators</i> , <b>2019</b> , 8, 15	2.4	
54	A dry film technology for the manufacturing of 3-D multi-layered microstructures and buried channels for lab-on-chip. <i>Microsystem Technologies</i> , <b>2019</b> , 25, 3219-3233	1.7	2
53	A comparative study of the refractive index of silk protein thin films towards biomaterial based optical devices. <i>Optical Materials</i> , <b>2018</b> , 78, 407-414	3.3	37
52	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> , <b>2018</b> , 273, 627-634	8.5	5
51	A Continuous Flow Microelectrophoretic Module for Protein Separation. <i>Lecture Notes in Electrical Engineering</i> , <b>2018</b> , 107-113	0.2	
50	Cycling reliability of RF-MEMS switches with Gold/Platinum multilayers as contact material. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 3843-3850	1.7	9
49	Fabrication of Nanoscale Patternable Films of Silk Fibroin Using Benign Solvents. <i>Macromolecular Materials and Engineering</i> , <b>2017</b> , 302, 1700110	3.9	25
48	A Miniaturized SPLITT System for On-Line Protein Separation. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 527	0.3	
47	An accelerated thermal cycling test for RF-MEMS switches. <i>Microsystem Technologies</i> , <b>2016</b> , 22, 1585-1592	1.7	3
46	Temperature as an accelerating factor for lifetime estimation of RF-MEMS switches. <i>Microelectronic Engineering</i> , <b>2016</b> , 160, 63-67	2.5	10

45	Preconditioning Procedure for the Better Estimation of the Long-Term Lifetime in Microelectromechanical Switches. <i>IEEE Transactions on Electron Devices</i> , <b>2016</b> , 63, 1274-1280	2.9	6
44	Design of an electrophoretic module for protein separation <b>2016</b> ,		1
43	Reliable response of RF MEMS LTCC packaged switches after mechanical and thermal stress. <i>Microsystem Technologies</i> , <b>2016</b> , 22, 495-501	1.7	8
42	Long-term lifetime prediction for RF-MEMS switches. <i>Journal of Micromechanics and Microengineering</i> , <b>2016</b> , 26, 074004	2	4
41	Influence of fabrication tolerances on the reliability of RF-MEMS capacitive switches <b>2015</b> ,		3
40	MEMS packaging by using dry film resist <b>2015</b> ,		2
39	Cycling reliability of RF-MEMS switches with gold-platinum multilayers as contact material <b>2015</b> ,		2
38	RF-MEMS packaging by using quartz caps and epoxy polymers. <i>Microsystem Technologies</i> , <b>2015</b> , 21, 1941-1948	1.7	8
37	Reliability of RF MEMS capacitive and ohmic switches for space redundancy configurations. <i>Microsystem Technologies</i> , <b>2015</b> , 21, 1903-1913	1.7	6
36	. <i>IEEE Transactions on Electron Devices</i> , <b>2015</b> , 62, 3825-3831	2.9	7
35	Clear evidence of mechanical deformation in RF-MEMS switches during prolonged actuation. <i>Journal of Micromechanics and Microengineering</i> , <b>2014</b> , 24, 075003	2	8
34	Reliability of capacitive RF MEMS switches subjected to repetitive impact cycles at different temperatures <b>2014</b> ,		2
33	RF-MEMS switch design optimization for long-term reliability. <i>Analog Integrated Circuits and Signal Processing</i> , <b>2014</b> , 78, 323-332	1.2	14
32	Influence of temperature on the actuation voltage of RF-MEMS switches. <i>Microelectronics Reliability</i> , <b>2013</b> , 53, 706-711	1.2	14
31	Wet release technology for bulk-silicon resonators fabrication on silicon-on-insulator substrate. <i>Journal of Micro/Nanolithography, MEMS, and MOEMS</i> , <b>2013</b> , 12, 041206	0.7	0
30	A simple analytical method for residual stress measurement on suspended MEM structures using surface profilometry. <i>Journal of Micromechanics and Microengineering</i> , <b>2013</b> , 23, 025025	2	19
29	Gold-based thin multilayers for ohmic contacts in RF-MEMS switches. <i>Microsystem Technologies</i> , <b>2012</b> , 18, 965-971	1.7	7
28	Terahertz microsensor for biomedical applications <b>2011</b> ,		1

27	Effect of the substrate on RF power-handling capability of micro-electromechanical capacitive switches. <i>Solid-State Electronics</i> , <b>2011</b> , 65-66, 219-225	1.7	2
26	A flexible technology platform for the fabrication of RF-MEMS devices <b>2011</b> ,		17
25	Design and characterization of an active recovering mechanism for high-performance RF MEMS redundancy switches. <i>International Journal of Microwave and Wireless Technologies</i> , <b>2011</b> , 3, 539-546	0.8	3
24	Electro-thermal analysis of RF MEM capacitive switches for high-power applications <b>2010</b> ,		3
23	Controlling stress and stress gradient during the release process in gold suspended micro-structures. <i>Sensors and Actuators A: Physical</i> , <b>2010</b> , 162, 93-99	3.9	43
22	Electrical and mechanical properties of layered gold-chromium thin films for ohmic contacts in RF-MEMS switches. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2009</b> , 163, 199-203	3.1	10
21	Circuital Modelling of Shunt Capacitive RF MEMS Switches <b>2008</b> ,		2
20	An equivalent-circuit model for shunt-connected coplanar microelectromechanical system switches for high frequency applications. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 084514	2.5	12
19	Electromechanical characterization of low actuation voltage RF MEMS capacitive switches based on DC CV measurements. <i>Microelectronic Engineering</i> , <b>2007</b> , 84, 1358-1362	2.5	17
18	Nitrogen Influence on the Photoluminescence Properties of Silicon Nanocrystals. <i>Materials Research Society Symposia Proceedings</i> , <b>2006</b> , 958, 1		
17	Broadband RF-MEMS Based SPDT <b>2006</b> ,		4
16	Broadband RF-MEMS Based SPDT <b>2006</b> ,		6
15	XPS and SIMS investigation on the role of nitrogen in Si nanocrystals formation. <i>Surface Science</i> , <b>2005</b> , 585, 137-143	1.8	29
14	Development of a gas chromatography silicon-based microsystem in clinical diagnostics. <i>Biosensors and Bioelectronics</i> , <b>2005</b> , 20, 1968-76	11.8	33
13	Ultrafast electron transfer reactions initiated by excited CT states of push-pull perylenes. <i>Chemical Physics</i> , <b>2002</b> , 275, 167-183	2.3	26
12	Bulk and surface contributions to second-order susceptibility in crystalline and porous silicon by second-harmonic generation. <i>Surface Science</i> , <b>2001</b> , 481, 105-112	1.8	36
11	Near-field optical investigation of porous silicon samples. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , <b>2000</b> , 80, 611-621		
10	Porous silicon optical devices and Si/SiO <sub>2</sub> quantum wells: Recent results. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , <b>2000</b> , 80, 705-718		13

9	Porous Silicon Microcavities as Optical and Electrical Chemical Sensors. <i>Physica Status Solidi A</i> , <b>2000</b> , 182, 479-484		18
8	Electrochemically oxidised porous silicon microcavities. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2000</b> , 69-70, 59-65	3.1	12
7	Optical characterization of reverse biased porous silicon light emitting diode. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2000</b> , 69-70, 114-117	3.1	8
6	Light emitting diodes based on anodically oxidized silicon/porous silicon heterojunction. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2000</b> , 69-70, 109-113	3.1	5
5	Porous silicon microcavities as optical chemical sensors. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 2523-2525	3.4	172
4	Elaboration, characterization and aging effects of porous silicon microcavities formed on lightly p-type doped substrates. <i>Semiconductor Science and Technology</i> , <b>1999</b> , 14, 1052-1059	1.8	23
3	All porous silicon microcavities: growth and physics. <i>Journal of Luminescence</i> , <b>1998</b> , 80, 43-52	3.8	46
2	Effects of the mixing of charge transfer and molecular excitations on the resonance Raman properties of symmetric radical dimers. <i>Chemical Physics Letters</i> , <b>1996</b> , 263, 331-337	2.5	3
1	Coupling of electrons to intermolecular phonons in molecular charge transfer dimers: A resonance Raman study. <i>Journal of Chemical Physics</i> , <b>1995</b> , 103, 2795-2809	3.9	29