

Jorge Elizalde

List of Publications by Year in descending order

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33
papers

638
citations

759233

12
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713466

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33
all docs

33
docs citations

33
times ranked

825
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel three-dimensional embedded SU-8 microchannels fabricated using a low temperature full wafer adhesive bonding. <i>Journal of Micromechanics and Microengineering</i> , 2004, 14, 1047-1056.	2.6	149
2	Microfluidic-optical integrated CMOS compatible devices for label-free biochemical sensing. <i>Journal of Micromechanics and Microengineering</i> , 2006, 16, 1006-1016.	2.6	74
3	A new SU-8 process to integrate buried waveguides and sealed microchannels for a Lab-on-a-Chip. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 542-551.	7.8	70
4	Fluidic flow delay by ionogel passive pumps in microfluidic paper-based analytical devices. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 402-408.	7.8	47
5	Fabrication and testing of a SU-8 thermal flow sensor. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 411-417.	7.8	41
6	Strain sensitivity and temperature influence on sputtered thin films for piezoresistive sensors. <i>Sensors and Actuators A: Physical</i> , 1993, 37-38, 784-789.	4.1	38
7	BESOI-Based Integrated Optical Silicon Accelerometer. <i>Journal of Microelectromechanical Systems</i> , 2004, 13, 355-364.	2.5	37
8	Microscale electrodes integrated on COP for real sample <i>Campylobacter</i> spp. detection. <i>Biosensors and Bioelectronics</i> , 2015, 70, 491-497.	10.1	26
9	A design tool for pressure microsensors based on FEM simulations. <i>Sensors and Actuators A: Physical</i> , 1997, 62, 591-594.	4.1	25
10	A simple and portable device for the quantification of TNF- α in human plasma by means of on-chip magnetic bead-based proximity ligation assay. <i>Biosensors and Bioelectronics</i> , 2014, 54, 499-505.	10.1	18
11	A micromachined pressure sensor for biomedical applications. <i>Journal of Micromechanics and Microengineering</i> , 1997, 7, 244-246.	2.6	16
12	Low cost polymeric on-chip flow sensor with nanoliter resolution. <i>Sensors and Actuators B: Chemical</i> , 2016, 235, 188-196.	7.8	16
13	Biosensing microsystem platforms based on the integration of Si Mach-Zehnder interferometer, microfluidics and grating couplers. , 2009, , .		11
14	Characterization and Passivation Effects of an Optical Accelerometer Based on Antiresonant Waveguides. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 233-235.	2.5	10
15	Highly integrated COP monolithic membrane microvalves by robust hot embossing. <i>Sensors and Actuators B: Chemical</i> , 2014, 190, 451-458.	7.8	10
16	Technological aspects on the fabrication of silicon-based optical accelerometer with ARROW structures. <i>Sensors and Actuators A: Physical</i> , 2004, 110, 395-400.	4.1	9
17	Monolithic integration of microfluidic channels and optical waveguides using a photodefinable epoxy. , 0, , .		8
18	Thin film technology applied to the development of a multilayer pressure sensor device. <i>Vacuum</i> , 1994, 45, 1103-1105.	3.5	7

#	ARTICLE	IF	CITATIONS
19	Stress free quad beam optical silicon accelerometer. , 0, , .		5
20	Novel low-temperature CMOS-compatible full-wafer-bonding process for the fabrication of 3D embedded microchannels using SU-8. , 2004, , .		4
21	A highly integrated vertical SU8 valve for stepwise in-series reactions. Journal of Micromechanics and Microengineering, 2011, 21, 065037.	2.6	4
22	Optimization of a three-electrode electrochemical etch-stop process. Sensors and Actuators A: Physical, 1997, 62, 668-671.	4.1	3
23	3-D polymeric microfluidic devices for BioMOEMS applications. , 2005, 5839, 127.		2
24	Multi-parametric Point of Care Device for Allergen-specific IgE Detection in Veterinary Applications. Procedia Engineering, 2016, 168, 1410-1413.	1.2	2
25	Vacuum packaging and semipassive chips for wireless temperature monitoring in industrial applications. , 2017, , .		2
26	Self-Powered Photovoltaic Bluetooth® Low Energy Temperature Sensor Node. IEEE Access, 2021, 9, 111305-111314.	4.2	2
27	Novel polymer multilayer CMOS compatible technology for multilevel microfluidic devices. , 0, , .		1
28	Smart monolithic integration of inkjet printed thermal flow sensors with fast prototyping polymer microfluidics. Smart Materials and Structures, 2016, 25, 085022.	3.5	1
29	ARROW-based optical accelerometers. , 0, , .		0
30	Fabrication of an electrodeposited nickel membrane for microflow control. , 0, , .		0
31	A microfluidic magnetic bead-based proximity ligation assay device for the quantification of TNF- α ; in human plasma. , 2013, , .		0
32	Ambient Temperature Effects on Data Logging ICs' Power Consumption: Monitoring Ready Meal Delivery Services. Proceedings (mdpi), 2017, 2, .	0.2	0
33	Standalone Point-of-Use Device for Gluten Detection in Food: POCT Application Experiment in SMARTER-SI European Project. Proceedings (mdpi), 2017, 2, .	0.2	0