

Andrés Vázquez Quintero

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

785
citations

567281

15
h-index

642732

23
g-index

27
all docs

27
docs citations

27
times ranked

1191
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatiotemporal electrochemical sensing in a smart contact lens. <i>Sensors and Actuators B: Chemical</i> , 2020, 303, 127203.	7.8	19
2	Near-Field Communication Powered Hydrogel-Based Smart Contact Lens. <i>Advanced Materials Technologies</i> , 2020, 5, 2000702.	5.8	17
3	Artificial iris performance for smart contact lens vision correction applications. <i>Scientific Reports</i> , 2020, 10, 14641.	3.3	22
4	An Artificial Iris ASIC With High Voltage Liquid Crystal Driver, 10-nA Light Range Detector and 40-nA Blink Detector for LCD Flicker Removal. <i>IEEE Solid-State Circuits Letters</i> , 2020, 3, 506-509.	2.0	7
5	Spatiotemporal electrochemistry on flexible microelectrode arrays: Progress towards smart contact lens integration. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126671.	7.8	12
6	Nonlinear piezoelectric vibration energy harvester with frequency-tuned impacting resonators for improving broadband performance at low frequencies. <i>Smart Materials and Structures</i> , 2019, 28, 025025.	3.5	24
7	Stretchable Electronic Platform for Soft and Smart Contact Lens Applications. <i>Advanced Materials Technologies</i> , 2017, 2, 1700073.	5.8	50
8	An active artificial iris controlled by a 25- μ W flexible thin-film driver. , 2016, , .		4
9	Smart RFID label with a printed multisensor platform for environmental monitoring. <i>Flexible and Printed Electronics</i> , 2016, 1, 025003.	2.7	51
10	Capacitive Strain Sensors Inkjet-printed on PET Fibers for Integration in Industrial Textile. <i>Procedia Engineering</i> , 2015, 120, 279-282.	1.2	11
11	Flip-chip integration of Si bare dies on polymeric substrates at low temperature using ICA vias made in dry film photoresist. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 045013.	2.6	7
12	Polylactic acid as a biodegradable material for all-solution-processed organic electronic devices. <i>Organic Electronics</i> , 2015, 17, 77-86.	2.6	100
13	Frequency up-converting Vibration Energy Harvester with Multiple Impacting Beams for Enhanced Wideband Operation at Low Frequencies. <i>Procedia Engineering</i> , 2014, 87, 1517-1520.	1.2	5
14	Design optimization of vibration energy harvesters fabricated by lamination of thinned bulk-PZT on polymeric substrates. <i>Smart Materials and Structures</i> , 2014, 23, 045041.	3.5	24
15	Printing and encapsulation of electrical conductors on polylactic acid (PLA) for sensing applications. , 2014, , .		15
16	Development of a New Generation of Ammonia Sensors on Printed Polymeric Hotplates. <i>Analytical Chemistry</i> , 2014, 86, 8951-8958.	6.5	41
17	Design and Development of Sensing RFID Tags on Flexible Foil Compatible With EPC Gen 2. <i>IEEE Sensors Journal</i> , 2014, 14, 4361-4371.	4.7	44
18	An Automatic Test Bench for Complete Characterization of Vibration-Energy Harvesters. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2013, 62, 2966-2973.	4.7	27

#	ARTICLE	IF	CITATIONS
19	Foil-to-foil lamination and electrical interconnection of printed components on flexible substrates. <i>Microelectronic Engineering</i> , 2013, 110, 52-58.	2.4	7
20	A robust platform for textile integrated gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 1053-1061.	7.8	21
21	Woven Temperature and Humidity Sensors on Flexible Plastic Substrates for E-Textile Applications. <i>IEEE Sensors Journal</i> , 2013, 13, 3901-3909.	4.7	121
22	Large-area compatible fabrication and encapsulation of inkjet-printed humidity sensors on flexible foils with integrated thermal compensation. <i>Journal of Micromechanics and Microengineering</i> , 2013, 23, 025012.	2.6	61
23	Effect of low-temperature processing on dry film photoresist properties for flexible electronics. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 668-679.	2.1	8
24	Capillary self-alignment dynamics for R2R manufacturing of mesoscopic system-in-foil devices. , 2012, , .		0
25	Printed sensors on smart RFID labels for logistics. , 2012, , .		13
26	Why Going Towards Plastic and Flexible Sensors?. <i>Procedia Engineering</i> , 2011, 25, 8-15.	1.2	47
27	Humidity and Temperature Sensors on Plastic Foil for Textile Integration. <i>Procedia Engineering</i> , 2011, 25, 136-139.	1.2	27