

Andres W Martinez

List of Publications by Year in Descending Order

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

29
papers

9,967
citations

19
h-index

30
g-index

30
ext. papers

10,799
ext. citations

6.2
avg, IF

6.29
L-index

#	Paper	IF	Citations
29	Paper-based microfluidics: Simplified fabrication and assay methods. <i>Sensors and Actuators B: Chemical</i> , 2021 , 336, 129681	8.5	63
28	Fabrication of Miniaturized Paper-Based Microfluidic Devices (MicroPADs). <i>Scientific Reports</i> , 2019 , 9, 7	4.9	56
27	How To Shrink Paper Money: A Macroscopic Demonstration of the Malaprade Reaction. <i>Journal of Chemical Education</i> , 2019 , 96, 1199-1204	2.4	2
26	Wax-Printed Fluidic Time Delays for Automating Multi-Step Assays in Paper-Based Microfluidic Devices (MicroPADs). <i>Inventions</i> , 2019 , 4, 20	2.9	10
25	Micro-staining microbes: An alternative to traditional staining of microbiological specimens using microliter volumes of reagents. <i>Journal of Microbiological Methods</i> , 2019 , 164, 105654	2.8	5
24	Chronometric Quantitation of Analytes in Paper-Based Microfluidic Devices (MicroPADs) via Enzymatic Degradation of a Metastable Biomatrix. <i>Inventions</i> , 2019 , 4, 48	2.9	1
23	Paper miniaturization via periodate oxidation of cellulose. <i>Cellulose</i> , 2018 , 25, 3211-3217	5.5	15
22	Paper-Based Methods 2018 , 129-129		
21	Paper Microzone Plates as Analytical Tools for Studying Enzyme Stability: A Case Study on the Stabilization of Horseradish Peroxidase Using Trehalose and SU-8 Epoxy Novolac Resin. <i>Analytical Chemistry</i> , 2017 , 89, 5333-5341	7.8	20
20	Characterization of Reagent Pencils for Deposition of Reagents onto Paper-Based Microfluidic Devices. <i>Micromachines</i> , 2017 , 8,	3.3	5
19	Reagent pencils: a new technique for solvent-free deposition of reagents onto paper-based microfluidic devices. <i>Lab on A Chip</i> , 2015 , 15, 2213-20	7.2	40
18	Two-ply channels for faster wicking in paper-based microfluidic devices. <i>Lab on A Chip</i> , 2015 , 15, 4461-6	7.2	87
17	Poly(N-isopropylacrylamide) Hydrogels for Storage and Delivery of Reagents to Paper-Based Analytical Devices. <i>Chromatography (Basel)</i> , 2015 , 2, 436-451		9
16	Paper-based standard addition assays. <i>Analytical Methods</i> , 2014 , 6, 1296-1300	3.2	34
15	Using Paper-Based Diagnostics with High School Students To Model Forensic Investigation and Colorimetric Analysis. <i>Journal of Chemical Education</i> , 2014 , 91, 107-111	2.4	34
14	Paper and toner three-dimensional fluidic devices: programming fluid flow to improve point-of-care diagnostics. <i>Lab on A Chip</i> , 2013 , 13, 628-31	7.2	54
13	Fully enclosed microfluidic paper-based analytical devices. <i>Analytical Chemistry</i> , 2012 , 84, 1579-85	7.8	168

12	Electrochemical sensing in paper-based microfluidic devices. <i>Lab on A Chip</i> , 2010 , 10, 477-83	7.2	752
11	Diagnostics for the developing world: microfluidic paper-based analytical devices. <i>Analytical Chemistry</i> , 2010 , 82, 3-10	7.8	1986
10	Programmable diagnostic devices made from paper and tape. <i>Lab on A Chip</i> , 2010 , 10, 2499-504	7.2	292
9	Paper microzone plates. <i>Analytical Chemistry</i> , 2009 , 81, 5990-8	7.8	316
8	Understanding wax printing: a simple micropatterning process for paper-based microfluidics. <i>Analytical Chemistry</i> , 2009 , 81, 7091-5	7.8	1170
7	FLASH: a rapid method for prototyping paper-based microfluidic devices. <i>Lab on A Chip</i> , 2008 , 8, 2146-50	7.2	557
6	Simple telemedicine for developing regions: camera phones and paper-based microfluidic devices for real-time, off-site diagnosis. <i>Analytical Chemistry</i> , 2008 , 80, 3699-707	7.8	1152
5	Three-dimensional microfluidic devices fabricated in layered paper and tape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 19606-11	11.5	986
4	Patterned paper as a platform for inexpensive, low-volume, portable bioassays. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1318-20	16.4	2111
3	Cofabrication of Electromagnets and Microfluidic Systems in Poly(dimethylsiloxane). <i>Angewandte Chemie</i> , 2006 , 118, 7031-7036	3.6	35
2	At-Home Microscale Paper-Based Quantitative Analysis Activity with External Standards. <i>Journal of Chemical Education</i> ,	2.4	3
1	Evaluation of commercially-available conductive filaments for 3D printing flexible circuits on paper4, e21		1