

Andres W Martinez

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

11,468
citations

361296

20
h-index

501076

28
g-index

30
all docs

30
docs citations

30
times ranked

7546
citing authors

#	ARTICLE	IF	CITATIONS
1	Patterned Paper as a Platform for Inexpensive, Low-Volume, Portable Bioassays. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1318-1320.	7.2	2,442
2	Diagnostics for the Developing World: Microfluidic Paper-Based Analytical Devices. <i>Analytical Chemistry</i> , 2010, 82, 3-10.	3.2	2,268
3	Understanding Wax Printing: A Simple Micropatterning Process for Paper-Based Microfluidics. <i>Analytical Chemistry</i> , 2009, 81, 7091-7095.	3.2	1,358
4	Simple Telemedicine for Developing Regions: Camera Phones and Paper-Based Microfluidic Devices for Real-Time, Off-Site Diagnosis. <i>Analytical Chemistry</i> , 2008, 80, 3699-3707.	3.2	1,287
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, 19606-19611.	3.3	1,082
6	Electrochemical sensing in paper-based microfluidic devices. <i>Lab on A Chip</i> , 2010, 10, 477-483.	3.1	837
7	FLASH: A rapid method for prototyping paper-based microfluidic devices. <i>Lab on A Chip</i> , 2008, 8, 2146.	3.1	616
8	Paper Microzone Plates. <i>Analytical Chemistry</i> , 2009, 81, 5990-5998.	3.2	354
9	Programmable diagnostic devices made from paper and tape. <i>Lab on A Chip</i> , 2010, 10, 2499.	3.1	320
10	Paper-based microfluidics: Simplified fabrication and assay methods. <i>Sensors and Actuators B: Chemical</i> , 2021, 336, 129681.	4.0	190
11	Fully Enclosed Microfluidic Paper-Based Analytical Devices. <i>Analytical Chemistry</i> , 2012, 84, 1579-1585.	3.2	186
12	Two-ply channels for faster wicking in paper-based microfluidic devices. <i>Lab on A Chip</i> , 2015, 15, 4461-4466.	3.1	98
13	Fabrication of Miniaturized Paper-Based Microfluidic Devices (MicroPADs). <i>Scientific Reports</i> , 2019, 9, 7.	1.6	80
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.	3.1	61
15	Reagent pencils: a new technique for solvent-free deposition of reagents onto paper-based microfluidic devices. <i>Lab on A Chip</i> , 2015, 15, 2213-2220.	3.1	45
16	Paper-based standard addition assays. <i>Analytical Methods</i> , 2014, 6, 1296-1300.	1.3	42
17	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.	1.1	39
18	Beyond Wax Printing: Fabrication of Paper-Based Microfluidic Devices Using a Thermal Transfer Printer. <i>Analytical Chemistry</i> , 2022, 94, 8833-8837.	3.2	25

#	ARTICLE	IF	CITATIONS
19	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.	3.2	23
20	Paper miniaturization via periodate oxidation of cellulose. <i>Cellulose</i> , 2018, 25, 3211-3217.	2.4	17
21	Wax-Printed Fluidic Time Delays for Automating Multi-Step Assays in Paper-Based Microfluidic Devices (MicroPADs). <i>Inventions</i> , 2019, 4, 20.	1.3	16
22	Poly(N-isopropylacrylamide) Hydrogels for Storage and Delivery of Reagents to Paper-Based Analytical Devices. <i>Chromatography (Basel)</i> , 2015, 2, 436-451.	1.2	12
23	At-Home Microscale Paper-Based Quantitative Analysis Activity with External Standards. <i>Journal of Chemical Education</i> , 2022, 99, 1081-1086.	1.1	11
24	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.	0.7	8
25	Characterization of Reagent Pencils for Deposition of Reagents onto Paper-Based Microfluidic Devices. <i>Micromachines</i> , 2017, 8, 242.	1.4	6
26	Chronometric Quantitation of Analytes in Paper-Based Microfluidic Devices (MicroPADs) via Enzymatic Degradation of a Metastable Biomatrix. <i>Inventions</i> , 2019, 4, 48.	1.3	3
27	How To Shrink Paper Money: A Macroscopic Demonstration of the Malaprade Reaction. <i>Journal of Chemical Education</i> , 2019, 96, 1199-1204.	1.1	3
28	Evaluation of commercially-available conductive filaments for 3D printing flexible circuits on paper. , 0, 4, e21.		3
29	Paper-Based Methods. , 2018, , 129-129.		0