Citation Report
List of articles citing

Progress in the development of paper-based diagnostics for low-resource point-of-care settings

DOI: 10.4155/bio.13.243
Bioanalysis, 2013, 5, 2821-36.

#	Paper	IF	Citations
65	Bacterial detection: from microscope to smartphone. *Biosensors and Bioelectronics*, **2014**, 60, 332-42	11.8	113
64	The expanding role of paper in point-of-care diagnostics. *Expert Review of Molecular Diagnostics*, **2014**, 14, 123-5	3.8	22
63	A paper microfluidic cartridge for automated staining of malaria parasites with an optically transparent microscopy window. *Lab on A Chip*, **2014**, 14, 2040-6	7.2	22
62	A handheld stamping process to fabricate microfluidic paper-based analytical devices with chemically modified surface for clinical assays. *RSC Advances*, **2014**, 4, 37637-37644	3.7	158
61	Enabling robust quantitative readout in an equipment-free model of device development. *Analyst, The*, **2014**, 139, 4750-7	5	35
60	A paper-based lateral flow assay for morphine. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 5955-65	4.4	37
59	POC Tests in Microbial Diagnostics: Current Status. *Methods in Microbiology*, **2015**, 42, 87-110	2.8	6
58	Addressing Barriers to the Development and Adoption of Rapid Diagnostic Tests in Global Health. *Nanobiomedicine*, **2015**, 2,	4.8	36
57	Papierbasierte tintenstrahlgedruckte Mikrofluidiksysteme f□die Analytik. *Angewandte Chemie*, **2015**, 127, 5384-5401	3.6	18
56	Performance of an Optimized Paper-Based Test for Rapid Visual Measurement of Alanine Aminotransferase (ALT) in Fingerstick and Venipuncture Samples. *PLoS ONE*, **2015**, 10, e0128118	3.7	17
55	One-step purification and concentration of DNA in porous membranes for point-of-care applications. *Lab on A Chip*, **2015**, 15, 2647-59	7.2	60
54	A versatile valving toolkit for automating fluidic operations in paper microfluidic devices. *Lab on A Chip*, **2015**, 15, 1432-44	7.2	109
53	Toward point-of-care diagnostics with consumer electronic devices: the expanding role of nanoparticles. *RSC Advances*, **2015**, 5, 22256-22282	3.7	79
52	Multiplexed testing for HIV and related bacterial and viral co-infections at the point-of-care: quo vadis?. *Expert Review of Molecular Diagnostics*, **2015**, 15, 463-9	3.8	7
51	Paper-based inkjet-printed microfluidic analytical devices. *Angewandte Chemie - International Edition*, **2015**, 54, 5294-310	16.4	340
50	Conversion of a laboratory-based test for phenylalanine detection to a simple paper-based format and implications for PKU screening in low-resource settings. *Analyst, The*, **2015**, 140, 609-15	5	17
49	Development of a Whole Blood Paper-Based Device for Phenylalanine Detection in the Context of PKU Therapy Monitoring. *Micromachines*, **2016**, 7,	3.3	31

48	Lab-on-paper micro- and nano-analytical devices: Fabrication, modification, detection and emerging applications. *Mikrochimica Acta*, **2016**, 183, 1521-1542	5.8	88
47	Multiplex Dipstick Technologies for Rapid and Simultaneous Screening of Analytes of Importance in Agri-Food-Nutrition and Health Care: A Review. *Journal of AOAC INTERNATIONAL*, **2016**, 99, 512-9	1.7	4
46	Thermally actuated wax valves for paper-fluidic diagnostics. *Lab on A Chip*, **2016**, 16, 4230-4236	7.2	37
45	Membraneless Gas-Separation Microfluidic Paper-Based Analytical Devices for Direct Quantitation of Volatile and Nonvolatile Compounds. *Analytical Chemistry*, **2016**, 88, 8749-56	7.8	37
44	Recent approaches for optical smartphone sensing in resource-limited settings: a brief review. *Analytical Methods*, **2016**, 8, 6591-6601	3.2	132
43	Towards low-cost bioanalytical tools for sarcosine assays for cancer diagnostics. *Analytical Methods*, **2016**, 8, 7312-7318	3.2	22
42	Microfluidics Overview. **2016**, 33-83		4
41	Powering point-of-care diagnostic devices. *Biotechnology Advances*, **2016**, 34, 321-30	17.8	73
40	Investigation of Reagent Delivery Formats in a Multivalent Malaria Sandwich Immunoassay and Implications for Assay Performance. *Analytical Chemistry*, **2016**, 88, 2311-20	7.8	23
39	Rapid prototyping of electrochemical lateral flow devices: stencilled electrodes. *Analyst, The*, **2016**, 141, 2515-22	5	14
38	Towards autonomous lab-on-a-chip devices for cell phone biosensing. *Biosensors and Bioelectronics*, **2016**, 77, 1153-67	11.8	33
37	Progress in the development and integration of fluid flow control tools in paper microfluidics. *Lab on A Chip*, **2017**, 17, 614-628	7.2	92
36	Development of paper-based electrochemical sensors for water quality monitoring. **2017**,		0
35	Electrochemical Lateral Flow Devices: Towards Rapid Immunomagnetic Assays. *ChemElectroChem*, **2017**, 4, 880-889	4.3	35
34	Disposable cartridge platform for rapid detection of viral hemorrhagic fever viruses. *Lab on A Chip*, **2017**, 17, 917-925	7.2	13
33	Turning the Page: Advancing Paper-Based Microfluidics for Broad Diagnostic Application. *Chemical Reviews*, **2017**, 117, 8447-8480	68.1	333
32	Portable devices and mobile instruments for infectious diseases point-of-care testing. *Expert Review of Molecular Diagnostics*, **2017**, 17, 471-494	3.8	16
31	Versatile fabrication of paper-based microfluidic devices with high chemical resistance using scholar glue and magnetic masks. *Analytica Chimica Acta*, **2017**, 974, 63-68	6.6	37

30	Time-Dependent Model for Fluid Flow in Porous Materials with Multiple Pore Sizes. *Analytical Chemistry*, **2017**, 89, 4377-4381	7.8	48
29	Inkjet-printed point-of-care immunoassay on a nanoscale polymer brush enables subpicomolar detection of analytes in blood. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E7054-E7062	11.5	53
28	The Role of Nanoparticle Design in Determining Analytical Performance of Lateral Flow Immunoassays. *Nano Letters*, **2017**, 17, 7207-7212	11.5	99
27	Paper-based laser induced fluorescence immunodevice combining with CdTe embedded silica nanoparticles signal enhancement strategy. *Sensors and Actuators B: Chemical*, **2017**, 242, 87-94	8.5	36
26	A sensitive point-of-care testing chip utilizing superabsorbent polymer for the early diagnosis of infectious disease. *Sensors and Actuators B: Chemical*, **2017**, 240, 881-886	8.5	10
25	Rotational paper-based electrochemiluminescence immunodevices for sensitive and multiplexed detection of cancer biomarkers. *Analytica Chimica Acta*, **2018**, 1007, 33-39	6.6	75
24	Innovative technologies for point-of-care testing of viral hepatitis in low-resource and decentralized settings. *Journal of Viral Hepatitis*, **2018**, 25, 108-117	3.4	29
23	Pressure-Modulated Selective Electrokinetic Trapping for Direct Enrichment, Purification, and Detection of Nucleic Acids in Human Serum. *Analytical Chemistry*, **2018**, 90, 11366-11375	7.8	19
22	Design Principles for Enhancing Sensitivity in Paper-Based Diagnostics via Large-Volume Processing. *Analytical Chemistry*, **2018**, 90, 9472-9479	7.8	9
21	A simple cantilever system for measurement of flow rates in paper microfluidic devices. *Engineering Research Express*, **2019**, 1, 025019	0.9	1
20	Applications of Microfluidic Systems in Biology and Medicine. *Bioanalysis*, **2019**,	0.5	5
19	Paper Microfluidics for POC Testing in Low-Resource Settings. *Bioanalysis*, **2019**, 325-352	0.5	
18	Printed Paper‐Based Electrochemical Sensors for Low-Cost Point-of-Need Applications. *Electrocatalysis*, **2019**, 10, 342-351	2.7	14
17	How Are These Devices Manufactured?. **2019**, 89-122		1
16	Beyond the lateral flow assay: A review of paper-based microfluidics. *Microelectronic Engineering*, **2019**, 206, 45-54	2.5	146
15	Paper-based Diagnostics. **2019**,		2
14	Versatile printed microheaters to enable low-power thermal control in paper diagnostics. *Analyst, The*, **2019**, 145, 184-196	5	5
13	Simple and fast fabrication of microfluidic paper-based analytical device by contact stamping for multiple-point standard addition assay: Application to direct analysis of urinary creatinine. *Talanta*, **2020**, 210, 120675	6.2	14

12	Usability as a guiding principle for the design of paper-based, point-of-care devices - A review. *Analytica Chimica Acta*, **2020**, 1140, 236-249	6.6	20
11	White blood cell counting at point-of-care testing: A review. *Electrophoresis*, **2020**, 41, 1450-1468	3.6	2
10	Challenges and perspectives in the development of paper-based lateral flow assays. *Microfluidics and Nanofluidics*, **2020**, 24, 1	2.8	36
9	Foldable paper-based analytical device for membraneless gas-separation and determination of iodate based on fluorescence quenching of gold nanoclusters. *Talanta*, **2021**, 221, 121574	6.2	8
8	Smartphone-Based Fully Automated Optofluidic Device with Laser Irradiation-Induced Image Whitening. *Analytical Chemistry*, **2021**, 93, 6394-6402	7.8	1
7	Fluorinated Polymer Membranes as Advanced Substrates for Portable Analytical Systems and Their Proof of Concept for Colorimetric Bioassays. *ACS Applied Materials & Interfaces*, **2021**, 13, 18065-18076	9.5	3
6	Optical-Based Biosensors and Their Portable Healthcare Devices for Detecting and Monitoring Biomarkers in Body Fluids. *Diagnostics*, **2021**, 11,	3.8	3
5	Flow Control in Paper-Based Microfluidic Devices. *Advanced Functional Materials and Sensors*, **2019**, 47-66	2.4	2
4	A survey of 3D printing technology applied to paper microfluidics.. *Lab on A Chip*, **2021**, 22, 9-25	7.2	1
3	A paper-analytical device for detecting bisphenol-A in foods. *Analytical Methods*,	3.2	
2	Field-use device for the electrochemical quantification of carbamazepine levels in a background of human saliva.		0
1	Nanocellulose coated paper diagnostic to measure glucose concentration in human blood. 10,		0