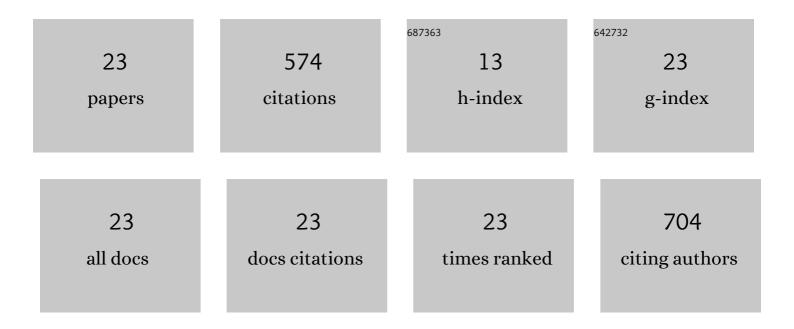
Abebaw B Jemere

List of Publications by Year in descending order

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ARERAW R IEMEDE

#	Article	IF	CITATIONS
1	Design of an interface to allow microfluidic electrophoresis chips to drink from the fire hose of the external environment. Electrophoresis, 2001, 22, 318-327.	2.4	101
2	Microchip-based capillary electrochromatography using packed beds. Electrophoresis, 2003, 24, 3018-3025.	2.4	55
3	An impedimetric biosensor for E. coli O157:H7 based on the use ofÂself-assembled gold nanoparticles and protein G. Mikrochimica Acta, 2019, 186, 169.	5.0	54
4	A regenerating ultrasensitive electrochemical impedance immunosensor for the detection of adenovirus. Biosensors and Bioelectronics, 2015, 68, 129-134.	10.1	47
5	Nanostructured nickel oxide electrodes for non-enzymatic electrochemical glucose sensing. Mikrochimica Acta, 2020, 187, 196.	5.0	44
6	Multifunctional protein processing chip with integrated digestion, solidâ€phase extraction, separation and electrospray. Electrophoresis, 2010, 31, 3703-3710.	2.4	33
7	Nanostructured indium tin oxide electrodes immobilized with toll-like receptor proteins for label-free electrochemical detection of pathogen markers. Sensors and Actuators B: Chemical, 2018, 257, 324-330.	7.8	27
8	On-chip solid phase extraction and enzyme digestion using cationic PolyE-323 coatings and porous polymer monoliths coupled to electrospray mass spectrometry. Journal of Chromatography A, 2011, 1218, 4039-4044.	3.7	26
9	A regenerating self-assembled gold nanoparticle-containing electrochemical impedance sensor. Biosensors and Bioelectronics, 2014, 56, 328-333.	10.1	24
10	Microchannels filled with diverse micro- and nanostructures fabricated by glancing angle deposition. Lab on A Chip, 2011, 11, 1671.	6.0	20
11	Capillary electrochromatography with packed bead beds in microfluidic devices. Electrophoresis, 2009, 30, 4237-4244.	2.4	19
12	Multiplexed electrokinetic sample fractionation, preconcentration and elution for proteomics. Lab on A Chip, 2013, 13, 2651.	6.0	15
13	Electrochemical Determination of Naloxone Using Molecularly Imprinted Poly(para-phenylenediamine) Sensor. Journal of the Electrochemical Society, 2020, 167, 137508.	2.9	15
14	Tunable thick polymer coatings for on-chip electrophoretic protein and peptide separation. Journal of Chromatography A, 2012, 1241, 112-116.	3.7	13
15	Investigation of Capillary Filling Dynamics of Multicomponent Fluids in Straight and Periodically Constricted Microchannels. Langmuir, 2020, 36, 6304-6313.	3.5	12
16	A Molecularly Imprinted Sol-Gel Electrochemical Sensor for Naloxone Determination. Nanomaterials, 2021, 11, 631.	4.1	12
17	Matrixâ€free laser desorption/ionization mass spectrometry using silicon glancing angle deposition (GLAD) films. Rapid Communications in Mass Spectrometry, 2010, 24, 2305-2311.	1.5	11
18	Sizeâ€based proteins separation using polymerâ€entrapped colloidal selfâ€assembled nanoparticles onâ€chip. Electrophoresis, 2016, 37, 2602-2609.	2.4	10

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#	Article	IF	CITATIONS
19	Engineering matrixâ€free laser desorption ionization mass spectrometry using glancing angle deposition films. Rapid Communications in Mass Spectrometry, 2017, 31, 631-638.	1.5	10
20	Microfluidic devices for electrokinetic sample fractionation. Electrophoresis, 2010, 31, 2575-2583.	2.4	8
21	Evaluation of protein separation mechanism and pore size distribution in colloidal selfâ€assembled nanoparticle sieves for onâ€chip protein sizing. Electrophoresis, 2017, 38, 342-349.	2.4	8
22	Integrated electrokinetic sample fractionation and solidâ€phase extraction in microfluidic devices. Electrophoresis, 2012, 33, 3151-3158.	2.4	7
23	Amperometric Determination of Xanthine Using Nanostructured NiO Electrodes Loaded with Xanthine Oxidase. ACS Food Science & Technology, 2022, 2, 1307-1317.	2.7	3