

Abeba B Jemere

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Amperometric Determination of Xanthine Using Nanostructured NiO Electrodes Loaded with Xanthine Oxidase. <i>ACS Food Science & Technology</i> , 2022, 2, 1307-1317.	2.7	3
2	A Molecularly Imprinted Sol-Gel Electrochemical Sensor for Naloxone Determination. <i>Nanomaterials</i> , 2021, 11, 631.	4.1	12
3	Investigation of Capillary Filling Dynamics of Multicomponent Fluids in Straight and Periodically Constricted Microchannels. <i>Langmuir</i> , 2020, 36, 6304-6313.	3.5	12
4	Nanostructured nickel oxide electrodes for non-enzymatic electrochemical glucose sensing. <i>Mikrochimica Acta</i> , 2020, 187, 196.	5.0	44
5	Electrochemical Determination of Naloxone Using Molecularly Imprinted Poly(para-phenylenediamine) Sensor. <i>Journal of the Electrochemical Society</i> , 2020, 167, 137508.	2.9	15
6	An impedimetric biosensor for E. coli O157:H7 based on the use of self-assembled gold nanoparticles and protein G. <i>Mikrochimica Acta</i> , 2019, 186, 169.	5.0	54
7	Nanostructured indium tin oxide electrodes immobilized with toll-like receptor proteins for label-free electrochemical detection of pathogen markers. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 324-330.	7.8	27
8	Engineering matrix-free laser desorption ionization mass spectrometry using glancing angle deposition films. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 631-638.	1.5	10
9	Evaluation of protein separation mechanism and pore size distribution in colloidal self-assembled nanoparticle sieves for on-chip protein sizing. <i>Electrophoresis</i> , 2017, 38, 342-349.	2.4	8
10	Size-based proteins separation using polymer-entrapped colloidal self-assembled nanoparticles on-chip. <i>Electrophoresis</i> , 2016, 37, 2602-2609.	2.4	10
11	A regenerating ultrasensitive electrochemical impedance immunosensor for the detection of adenovirus. <i>Biosensors and Bioelectronics</i> , 2015, 68, 129-134.	10.1	47
12	A regenerating self-assembled gold nanoparticle-containing electrochemical impedance sensor. <i>Biosensors and Bioelectronics</i> , 2014, 56, 328-333.	10.1	24
13	Multiplexed electrokinetic sample fractionation, preconcentration and elution for proteomics. <i>Lab on A Chip</i> , 2013, 13, 2651.	6.0	15
14	Integrated electrokinetic sample fractionation and solid-phase extraction in microfluidic devices. <i>Electrophoresis</i> , 2012, 33, 3151-3158.	2.4	7
15	Tunable thick polymer coatings for on-chip electrophoretic protein and peptide separation. <i>Journal of Chromatography A</i> , 2012, 1241, 112-116.	3.7	13
16	Microchannels filled with diverse micro- and nanostructures fabricated by glancing angle deposition. <i>Lab on A Chip</i> , 2011, 11, 1671.	6.0	20
17	On-chip solid phase extraction and enzyme digestion using cationic PolyE-323 coatings and porous polymer monoliths coupled to electrospray mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 4039-4044.	3.7	26
18	Microfluidic devices for electrokinetic sample fractionation. <i>Electrophoresis</i> , 2010, 31, 2575-2583.	2.4	8

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19	Multifunctional protein processing chip with integrated digestion, solid-phase extraction, separation and electrospray. <i>Electrophoresis</i> , 2010, 31, 3703-3710.	2.4	33
20	Matrix-free laser desorption/ionization mass spectrometry using silicon glancing angle deposition (GLAD) films. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2305-2311.	1.5	11
21	Capillary electrochromatography with packed bead beds in microfluidic devices. <i>Electrophoresis</i> , 2009, 30, 4237-4244.	2.4	19
22	Microchip-based capillary electrochromatography using packed beds. <i>Electrophoresis</i> , 2003, 24, 3018-3025.	2.4	55
23	Design of an interface to allow microfluidic electrophoresis chips to drink from the fire hose of the external environment. <i>Electrophoresis</i> , 2001, 22, 318-327.	2.4	101