

Joan M Cabot

List of Publications by Year in descending order

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28
papers

1,846
citations

516710

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526287

27
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28
all docs

28
docs citations

28
times ranked

2677
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of the aqueous pKa of very insoluble drugs by capillary electrophoresis: Internal standards for methanol-water extrapolation. <i>Journal of Chromatography A</i> , 2022, 1665, 462795.	3.7	6
2	Stalk cell polar ion transport provide for bladder-based salinity tolerance in <i>Chenopodium quinoa</i> . <i>New Phytologist</i> , 2022, 235, 1822-1835.	7.3	8
3	Tunable flow rate in textile-based materials utilising composite fibres. <i>Journal of the Textile Institute</i> , 2021, 112, 568-577.	1.9	0
4	Fused filament fabrication 3D printed polylactic acid electroosmotic pumps. <i>Lab on A Chip</i> , 2021, 21, 3338-3351.	6.0	7
5	Thread-based isotachopheresis for DNA extraction and purification from biological samples. <i>Lab on A Chip</i> , 2021, 21, 2565-2573.	6.0	13
6	Thread-based isoelectric focusing coupled with desorption electrospray ionization mass spectrometry. <i>Analyst</i> , The, 2020, 145, 6928-6936.	3.5	12
7	Electrofluidic control of bioactive molecule delivery into soft tissue models based on gelatin methacryloyl hydrogels using threads and surgical sutures. <i>Scientific Reports</i> , 2020, 10, 7120.	3.3	15
8	Selective capillary electrophoresis separation of mono and divalent cations within a high-surface area-to-volume ratio multi-lumen capillary. <i>Analytica Chimica Acta</i> , 2019, 1051, 41-48.	5.4	5
9	Three-Dimensional Printing of Abrasive, Hard, and Thermally Conductive Synthetic Microdiamond-Polymer Composite Using Low-Cost Fused Deposition Modeling Printer. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4353-4363.	8.0	73
10	Life-Saving Threads: Advances in Textile-Based Analytical Devices. <i>ACS Combinatorial Science</i> , 2019, 21, 229-240.	3.8	38
11	Recent advances in enhancing the sensitivity of electrophoresis and electrochromatography in capillaries and microchips (2016-2018). <i>Electrophoresis</i> , 2019, 40, 17-39.	2.4	113
12	Rapid screening of inorganic and organic anions in liquid by-products from hydrothermal treatment of biomass by capillary electrophoresis. <i>Electrophoresis</i> , 2018, 39, 1014-1020.	2.4	4
13	Thread based electrofluidic platform for direct metabolite analysis in complex samples. <i>Analytica Chimica Acta</i> , 2018, 1000, 283-292.	5.4	41
14	Comparing Microfluidic Performance of Three-Dimensional (3D) Printing Platforms. <i>Analytical Chemistry</i> , 2017, 89, 3858-3866.	6.5	300
15	Isotachophoretic Fluorescence in Situ Hybridization of Intact Bacterial Cells. <i>Analytical Chemistry</i> , 2017, 89, 6513-6520.	6.5	20
16	Electrophoretic separations on paper: Past, present, and future-A review. <i>Analytica Chimica Acta</i> , 2017, 985, 7-23.	5.4	37
17	In Silico Screening of Two-Dimensional Separation Selectivity for Ion Chromatography - Capillary Electrophoresis Separation of Low-Molecular-Mass Organic Acids. <i>Analytical Chemistry</i> , 2017, 89, 8808-8815.	6.5	8
18	Enhanced physicochemical properties of polydimethylsiloxane based microfluidic devices and thin films by incorporating synthetic micro-diamond. <i>Scientific Reports</i> , 2017, 7, 15109.	3.3	39

#	ARTICLE	IF	CITATIONS
19	Recent advances in enhancing the sensitivity of electrophoresis and electrochromatography in capillaries and microchips (2014–2016). <i>Electrophoresis</i> , 2017, 38, 33-59.	2.4	87
20	3D printed microfluidic devices: enablers and barriers. <i>Lab on A Chip</i> , 2016, 16, 1993-2013.	6.0	816
21	Fibre-based electrofluidics on low cost versatile 3D printed platforms for solute delivery, separations and diagnostics; from small molecules to intact cells. <i>Analyst</i> , 2016, 141, 6422-6431.	3.5	25
22	Characterisation of graphene fibres and graphene coated fibres using capacitively coupled contactless conductivity detector. <i>Analyst</i> , 2016, 141, 2774-2782.	3.5	12
23	Novel Instrument for Automated pK_a Determination by Internal Standard Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2015, 87, 6165-6172.	6.5	42
24	Determination of acidity constants of sparingly soluble drugs in aqueous solution by the internal standard capillary electrophoresis method. <i>Electrophoresis</i> , 2014, 35, 3564-3569.	2.4	25
25	Internal Standard Capillary Electrophoresis as a High-Throughput Method for pK_a Determination in Drug Discovery and Development. <i>ACS Combinatorial Science</i> , 2014, 16, 518-525.	3.8	29
26	High throughput determination $\log P_o/w/pK_a/\log D_o/w$ of drugs by combination of UHPLC and CE methods. <i>ADMET and DMPK</i> , 2014, 2, .	2.1	5
27	Determination of acidity constants by the capillary electrophoresis internal standard method. IV. Polyprotic compounds. <i>Journal of Chromatography A</i> , 2013, 1279, 108-116.	3.7	29
28	Fast high-throughput method for the determination of acidity constants by capillary electrophoresis. II. Acidic internal standards. <i>Journal of Chromatography A</i> , 2010, 1217, 8340-8345.	3.7	37