

Andrew D Ray

List of Publications by Year in descending order

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22
papers

481
citations

840119

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676716

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22
docs citations

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times ranked

731
citing authors

#	ARTICLE	IF	CITATIONS
1	Enantiomer Separation of Amino Acids by Complexation with Chiral Reference Compounds and High-Field Asymmetric Waveform Ion Mobility Spectrometry: A Preliminary Results and Possible Limitations. <i>Analytical Chemistry</i> , 2007, 79, 2850-2858.	3.2	66
2	Electrochemical Flow Injection Analysis of Hydrazine in an Excess of an Active Pharmaceutical Ingredient: Achieving Pharmaceutical Detection Limits Electrochemically. <i>Analytical Chemistry</i> , 2015, 87, 10064-10071.	3.2	52
3	A Tool for the Semiquantitative Assessment of Potentially Genotoxic Impurity (PGI) Carryover into API Using Physicochemical Parameters and Process Conditions. <i>Organic Process Research and Development</i> , 2010, 14, 943-945.	1.3	47
4	On-line reaction monitoring by mass spectrometry, modern approaches for the analysis of chemical reactions. <i>Mass Spectrometry Reviews</i> , 2018, 37, 565-579.	2.8	47
5	Terbutaline Enantiomer Separation and Quantification by Complexation and Field Asymmetric Ion Mobility Spectrometry-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 4133-4140.	3.2	44
6	Molecular Ions and Protonated Molecules Observed in the Atmospheric Solids Analysis Probe Analysis of Steroids. <i>European Journal of Mass Spectrometry</i> , 2010, 16, 169-174.	0.5	37
7	On-line Monitoring of Continuous Flow Chemical Synthesis Using a Portable, Small Footprint Mass Spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1794-1802.	1.2	35
8	Enhanced Analyte Detection Using In-Source Fragmentation of Field Asymmetric Waveform Ion Mobility Spectrometry-Selected Ions in Combination with Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 4095-4103.	3.2	32
9	Quantitative structure-retention relationships of acyclovir esters using immobilised albumin high-performance liquid chromatography and reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1995, 707, 367-372.	1.8	19
10	Enhanced performance in the determination of ibuprofen 1- β -O-acyl glucuronide in urine by combining high field asymmetric waveform ion mobility spectrometry with liquid chromatography-time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1278, 76-81.	1.8	17
11	Applicability of gas chromatography/quadrupole-Orbitrap mass spectrometry in support of pharmaceutical research and development. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 873-880.	0.7	17
12	Selective Detection of Hydrazine in the Presence of Excess Electrochemically Active Pharmaceutical Ingredients Using Boron Doped Diamond Metal Nanoparticle Functionalised Electrodes. <i>Electroanalysis</i> , 2013, 25, 2613-2619.	1.5	11
13	Trace analysis of impurities in β -azido-deoxythymidine by reversed-phase high-performance liquid chromatography and thermospray mass spectrometry. <i>Journal of Chromatography A</i> , 1995, 689, 31-38.	1.8	10
14	Commentary: Challenging convention using ambient ionization and direct analysis mass spectrometric techniques. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 821-825.	0.7	9
15	Switching on palladium catalyst electrochemical removal from a palladium acetate-acetonitrile system via trace water addition. <i>Green Chemistry</i> , 2019, 21, 4662-4672.	4.6	9
16	Detection of the principal synthetic route indicative impurity in Lamotrigine. <i>International Journal of Pharmaceutics</i> , 1999, 189, 241-248.	2.6	7
17	Coupling and optimisation of online nuclear magnetic resonance spectroscopy and mass spectrometry for process monitoring to cover the broad range of process concentration. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 274-282.	1.1	7
18	Effect of the eluent pH on the thermospray molecular ion intensity of nucleosides. <i>Journal of Chromatography A</i> , 1996, 734, 271-276.	1.8	4

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19	Towards a generic method for ion chromatography/mass spectrometry of low-molecular-weight amines in pharmaceutical drug discovery and development. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34 Suppl 4, e8680.	0.7	4
20	Application of open port sampling interface mass spectrometry (OPSI-MS) to deuterium exchange as an aid for structural elucidation. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8536.	0.7	3
21	Determining the suitability of mass spectrometry for understanding the dissolution processes involved with pharmaceutical tablets. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1107-1114.	0.7	2
22	Impurity analysis of 2-butynoic acid by ion chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1604, 460470.	1.8	2