Julie Herniman

List of Publications by Year
in descending order

33 papers	1,012 citations	567281 15 h-index	414414 32 g-index
33 all docs	33 docs citations	33 times ranked	1169 citing authors

#	Article	IF	Citations
1	Chloride, carboxylate and carbonate transport by ortho-phenylenediamine-based bisureas. Chemical Science, 2013, 4, 103-117.	7.4	119
2	Polyhydroxyalkanoate (PHA) biosynthesis from structurally unrelated carbon sources by a newly characterized Bacillus spp.. Journal of Biotechnology, 2007, 127, 475-487.	3.8	107
3	Towards predictable transmembrane transport: QSAR analysis of anion binding and transport. Chemical Science, 2013, 4, 3036.	7.4	104
4	The use of pencil lead as a matrix and calibrant for matrix-assisted laser desorption/ionisation. Rapid Communications in Mass Spectrometry, 2006, 20, 1053-1060.	1.5	86
5	First Synthesis and Characterization of CH₄@C₆₀. Angewandte Chemie - International Edition, 2019, 58, 5038-5043.	13.8	81
6	Acylthioureas as anion transporters: the effect of intramolecular hydrogen bonding. Organic and Biomolecular Chemistry, 2014, 12, 62-72.	2.8	71
7	Lipophilic balance â€“ a new design principle for transmembrane anion carriers. Chemical Science, 2014, 5, 1128.	7.4	68
8	Towards a universal product ion mass spectral library â€“ reproducibility of product ion spectra across eleven different mass spectrometers. Rapid Communications in Mass Spectrometry, 2008, 22, 1779-1786.	1.5	66
9	2B or not 2B, that is the question: further investigations into the use of pencil as a matrix for matrix-assisted laser desorption/ionisation. Rapid Communications in Mass Spectrometry, 2007, 21, 180-190.	1.5	48
10	Simplified sample preparation for the analysis of oligonucleotides by matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 1999, 13, 1717-1723.	1.5	35
11	Synthesis of Ar@C₆₀ using molecular surgery. Chemical Communications, 2020, 56, 10521-10524.	4.1	26
12	Small neutral molecular carriers for selective carboxylate transport. Chemical Communications, 2013, 49, 246-248.	4.1	20
13	The validation of exact mass measurements for small molecules using FT-ICRMS for improved confidence in the selection of elemental formulas. Journal of the American Society for Mass Spectrometry, 2005, 16, 1100-1108.	2.8	18
14	Total Synthesis and Stereochemical Assignment of cis-Uvariamicin I and cis-Reticulatacin. Journal of Organic Chemistry, 2009, 74, 6924-6928.	3.2	17
15	A predictive science approach to aid understanding of electrospray ionisation tandem mass spectrometric fragmentation pathways of small molecules using density functional calculations. Rapid Communications in Mass Spectrometry, 2013, 27, 964-970.	1.5	16
16	An anion-binding fluorinated alcohol isophthalamide isostere. RSC Advances, 2014, 4, 5389.	3.6	16
17	Supramolecular gels for the remediation of reactive organophosphorus compounds. RSC Advances, 2014, 4, 45517-45521.	3.6	16
18	Improved precision and accuracy for high-performance liquid chromatography/Fourier transform ion cyclotron resonance mass spectrometric exact mass measurement of small molecules from the simultaneous and controlled introduction of internal calibrants via a second electrospray nebuliser. Rapid Communications in Mass Spectrometry, 2004, 18, 3035-3040.	1.5	13

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19	Dietary Phytosterols Protective Against Peptic Ulceration. Gastroenterology Research, 2011, 4, 149-156.	1.3	11
20	The expression of anaerobic metabolites in sweat and sebum from human skin subjected to intermittent and continuous mechanical loading. Journal of Tissue Viability, 2019, 28, 186-193.	2.0	11
21	First Synthesis and Characterization of CH₄@C₆₀. Angewandte Chemie, 2019, 131, 5092-5097.	2.0	11
22	Evaluation of Ultrahigh-Performance Supercritical Fluid Chromatographyâ€“Mass Spectrometry as an Alternative Approach for the Analysis of Fatty Acid Methyl Esters in Aviation Turbine Fuel. Energy & Fuels, 2015, 29, 2485-2492.	5.1	9
23	Rapid Sequencing of Split-and-Mix Peptide Receptor Libraries â€“ Identification of Binding Partners for Val-Val-Ile-Ala in Aqueous Solution. European Journal of Organic Chemistry, 2007, 2007, 1345-1356.	2.4	6
24	Open Access UHPSFC/MS â€“ an additional analytical resource for an academic mass spectrometry facility. Rapid Communications in Mass Spectrometry, 2016, 30, 1811-1817.	1.5	6
25	Self-reporting hybridisation assay for miRNA analysis. Analyst, The, 2014, 139, 1088.	3.5	5
26	Quantitative UHPSFC-MS analysis of elemental sulfur in mineral oil via derivatisation with triphenylphosphine: application to corrosive sulfur-related power transformer failure. Analyst, The, 2020, 145, 4782-4786.	3.5	5
27	Self reporting RNA probes as an alternative to cleavable small molecule mass tags. Analyst, The, 2012, 137, 5817.	3.5	4
28	Detection and Quantitation of ACCUTRACE S10, a New Fiscal Marker Used in Low-Duty Fuels, Using a Novel Ultrahigh-Performance Supercritical Fluid Chromatographyâ€“Mass Spectrometry Approach. Energy & Fuels, 2018, 32, 10580-10585.	5.1	3
29	Redox Aluminophosphates: Applying Fundamental Undergraduate Theory To Solve Global Challenges in the Chemical Industry. Journal of Chemical Education, 2019, 96, 2937-2946.	2.3	3
30	Development of ultrahighâ€performance liquid chromatography/mass spectrometry and ultrahighâ€performance supercritical fluid chromatography/mass spectrometry assays to determine the concentration of Bitrexâ„¢ and sodium saccharin in homemade facemask fit testing solutions. Rapid Communications in Mass Spectrometry, 2020, 34, e8848.	1.5	3
31	An Improved Biomimetic Formal Synthesis of Abyssomicin C and atropâ€Abyssomicin C. European Journal of Organic Chemistry, 2020, 2020, 4547-4557.	2.4	3
32	<i>In Vitro</i> Anti-Diabetic Activities and Phytochemical Analysis of Bioactive Fractions Present in <i>Meriandra dianthera, Aloe camperi</i> and a Polyherb. American Journal of Plant Sciences, 2017, 08, 533-548.	0.8	3
33	Development of ultraâ€highâ€performance supercritical fluid chromatographyâ€mass spectrometry assays to analyze potential biomarkers in sweat. Journal of Separation Science, 2022, 45, 542-550.	2.5	2