

David L Marshall

List of Publications by Year in descending order

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32
papers

948
citations

471509

17
h-index

454955

30
g-index

33
all docs

33
docs citations

33
times ranked

1161
citing authors

#	ARTICLE	IF	CITATIONS
1	Accelerating Ozonolysis Reactions Using Supplemental RF-Activation of Ions in a Linear Ion Trap Mass Spectrometer. <i>Analytical Chemistry</i> , 2022, 94, 3897-3903.	6.5	2
2	Next-generation derivatization reagents optimized for enhanced product ion formation in photodissociation-mass spectrometry of fatty acids. <i>Analyst, The</i> , 2021, 146, 156-169.	3.5	23
3	Hydrazone exchange: a viable route for the solid-tethered synthesis of [2]rotaxanes. <i>New Journal of Chemistry</i> , 2021, 45, 4414-4421.	2.8	4
4	Apocryphal FADS2 activity promotes fatty acid diversification in cancer. <i>Cell Reports</i> , 2021, 34, 108738.	6.4	68
5	Laser Photodissociation Action Spectroscopy for the Wavelength-Dependent Evaluation of Photoligation Reactions. <i>Analytical Chemistry</i> , 2021, 93, 8091-8098.	6.5	3
6	Mapping Enzyme Activity on Tissue by Functional Mass Spectrometry Imaging. <i>Angewandte Chemie</i> , 2020, 132, 3883-3886.	2.0	8
7	Mapping Enzyme Activity on Tissue by Functional Mass Spectrometry Imaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3855-3858.	13.8	35
8	Stepwise reduction of interlocked viologen-based complexes in the gas phase. <i>Chemical Communications</i> , 2020, 56, 13575-13578.	4.1	5
9	Charge-switch derivatization of fatty acid esters of hydroxy fatty acids via gas-phase ion/ion reactions. <i>Analytica Chimica Acta</i> , 2020, 1129, 31-39.	5.4	17
10	Phosphoproteomic Analysis across the Yeast Life Cycle Reveals Control of Fatty Acyl Chain Length by Phosphorylation of the Fatty Acid Synthase Complex. <i>Cell Reports</i> , 2020, 32, 108024.	6.4	14
11	Dynamic covalent synthesis of [2]- and [3]rotaxanes both in solution and on solid supports. <i>New Journal of Chemistry</i> , 2020, 44, 11231-11236.	2.8	5
12	Producing Cyclopropane Fatty Acid in Plant Leafy Biomass via Expression of Bacterial and Plant Cyclopropane Fatty Acid Synthases. <i>Frontiers in Plant Science</i> , 2020, 11, 30.	3.6	6
13	Structural elucidation of hydroxy fatty acids by photodissociation mass spectrometry with photolabile derivatives. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8741.	1.5	13
14	Gas phase reactions of iodide and bromide anions with ozone: evidence for stepwise and reversible reactions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9982-9989.	2.8	12
15	Introduction of a Fixed-Charge, Photolabile Derivative for Enhanced Structural Elucidation of Fatty Acids. <i>Analytical Chemistry</i> , 2019, 91, 9901-9909.	6.5	31
16	Combining Charge-Switch Derivatization with Ozone-Induced Dissociation for Fatty Acid Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2135-2143.	2.8	28
17	Mapping Unsaturation in Human Plasma Lipids by Data-Independent Ozone-Induced Dissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1621-1630.	2.8	48
18	Simultaneous adsorption and degradation of 2,4-dichlorophenol on sepiolite-supported bimetallic Fe/Ni nanoparticles. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102955.	6.7	27

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19	Experimental evidence for long-range stabilizing and destabilizing interactions between charge and radical sites in distonic ions. <i>International Journal of Mass Spectrometry</i> , 2019, 435, 195-203.	1.5	4
20	Comparing Positively and Negatively Charged Distonic Radical Ions in Phenylperoxyl Forming Reactions. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1848-1860.	2.8	9
21	Mass Spectrometry Imaging with Isomeric Resolution Enabled by Ozone-Induced Dissociation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10530-10534.	13.8	143
22	Mass Spectrometry Imaging with Isomeric Resolution Enabled by Ozone-Induced Dissociation. <i>Angewandte Chemie</i> , 2018, 130, 10690-10694.	2.0	28
23	Forensic analysis of water-based lubricants using liquid extraction surface analysis high-resolution tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1629-1636.	1.5	4
24	Polyselenoureas via Multicomponent Polymerizations Using Elemental Selenium as Monomer. <i>ACS Macro Letters</i> , 2018, 7, 898-903.	4.8	22
25	Mass spectrometry-directed structure elucidation and total synthesis of ultra-long chain (O-acyl)- ω -hydroxy fatty acids. <i>Journal of Lipid Research</i> , 2018, 59, 1510-1518.	4.2	42
26	Determination of ester position in isomeric (<i>o</i> -acyl)- ω -hydroxy fatty acids by ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2351-2359.	1.5	31
27	Sequential Collision- and Ozone-Induced Dissociation Enables Assignment of Relative Acyl Chain Position in Triacylglycerols. <i>Analytical Chemistry</i> , 2016, 88, 2685-2692.	6.5	59
28	Experimental evidence for competitive N O and O C bond homolysis in gas-phase alkoxyamines. <i>International Journal of Mass Spectrometry</i> , 2015, 378, 38-47.	1.5	14
29	Photodissociation of TEMPO-modified peptides: new approaches to radical-directed dissociation of biomolecules. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4871.	2.8	21
30	Switching radical stability by pH-induced orbital conversion. <i>Nature Chemistry</i> , 2013, 5, 474-481.	13.6	150
31	Oxidation of 4-substituted TEMPO derivatives reveals modifications at the 1- and 4-positions. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4936.	2.8	47
32	Structural identification of hindered amine light stabilisers in coil coatings using electrospray ionisation tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2010, 45, 486-495.	1.6	25