

# Dalton T Snyder

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38  
papers

673  
citations

13  
h-index

25  
g-index

41  
ext. papers

786  
ext. citations

6.2  
avg, IF

4.54  
L-index

#	Paper	IF	Citations
38	Native Mass Spectrometry: Recent Progress and Remaining Challenges.. <i>Annual Review of Biophysics</i> , <b>2022</b> ,	21.1	6
37	Surface-induced Dissociation Mass Spectrometry as a Structural Biology Tool. <i>Chemical Reviews</i> , <b>2021</b> ,	68.1	4
36	Purification, reconstitution, and mass analysis of archaeal RNase P, a multisubunit ribonucleoprotein enzyme. <i>Methods in Enzymology</i> , <b>2021</b> , 659, 71-103	1.7	0
35	Surface-induced dissociation of protein complexes on a cyclic ion mobility spectrometer. <i>Analyst, The</i> , <b>2021</b> , 146, 6861-6873	5	3
34	Surface-Induced Dissociation of Protein Complexes Selected by Trapped Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 5513-5520	7.8	7
33	Tandem surface-induced dissociation of protein complexes on an ultrahigh resolution platform. <i>International Journal of Mass Spectrometry</i> , <b>2021</b> , 461,	1.9	3
32	Miniaturized Mass Spectrometry Instrumentation, Technology, and Applications <b>2021</b> , 345-365		1
31	Triple Resonance Methods to Improve Performance of Ion Trap Precursor and Neutral Loss Scans. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2020</b> , 31, 1123-1131	3.5	2
30	Chapter 11:Surface-induced Dissociation in Biomolecular Mass Spectrometry. <i>New Developments in Mass Spectrometry</i> , <b>2020</b> , 281-336	2.3	2
29	Simple and Minimally Invasive SID Devices for Native Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 11195-11203	7.8	19
28	Selective Gas-Phase Mass Tagging via Ion/Molecule Reactions Combined with Single Analyzer Neutral Loss Scans to Probe Pharmaceutical Mixtures. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2019</b> , 30, 1092-1101	3.5	
27	Two-dimensional MS/MS scans on a linear ion trap mass analyzer: Identification of V-series chemical warfare agents. <i>International Journal of Mass Spectrometry</i> , <b>2019</b> , 444, 116171	1.9	12
26	Two-Dimensional Tandem Mass Spectrometry in a Single Scan on a Linear Quadrupole Ion Trap. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 13752-13762	7.8	9
25	Design and Performance of a Second-Generation Surface-Induced Dissociation Cell for Fourier Transform Ion Cyclotron Resonance Mass Spectrometry of Native Protein Complexes. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 14049-14057	7.8	13
24	Implementation of Precursor and Neutral Loss Scans on a Miniature Ion Trap Mass Spectrometer and Performance Comparison to a Benchtop Linear Ion Trap. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2018</b> , 29, 1355-1364	3.5	11
23	Precursor and Neutral Loss Scans in an RF Scanning Linear Quadrupole Ion Trap. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2018</b> , 29, 1345-1354	3.5	9
22	Logical MS/MS scans: a new set of operations for tandem mass spectrometry. <i>Analyst, The</i> , <b>2018</b> , 143, 5438-5452	5	8

21	Simultaneous Online Monitoring of Multiple Reactions Using a Miniature Mass Spectrometer. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 6969-6975	7.8	15
20	Single Analyzer Neutral Loss Scans in a Linear Quadrupole Ion Trap Using Orthogonal Double Resonance Excitation. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 8148-8155	7.8	14
19	Single Analyzer Precursor Ion Scans in a Linear Quadrupole Ion Trap Using Orthogonal Double Resonance Excitation. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2017</b> , 28, 1929-1938	3.5	15
18	Unique capabilities of AC frequency scanning and its implementation on a Mars Organic Molecule Analyzer linear ion trap. <i>Analyst, The</i> , <b>2017</b> , 142, 2109-2117	5	4
17	Improving mass assignments in quadrupole ion traps operated using ac scans: Theory and experimental validation. <i>International Journal of Mass Spectrometry</i> , <b>2017</b> , 417, 1-7	1.9	5
16	Simultaneous and Sequential MS/MS Scan Combinations and Permutations in a Linear Quadrupole Ion Trap. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 11053-11060	7.8	12
15	Ion isolation and multigenerational collision-induced dissociation using the inverse Mathieu q scan. <i>Rapid Communications in Mass Spectrometry</i> , <b>2017</b> , 31, 200-206	2.2	7
14	Resonance methods in quadrupole ion traps. <i>Chemical Physics Letters</i> , <b>2017</b> , 668, 69-89	2.5	17
13	Extending the mass range of a miniature ion trap mass spectrometer using the inverse Mathieu q scan. <i>International Journal of Mass Spectrometry</i> , <b>2017</b> , 422, 154-161	1.9	12
12	Miniature and Fieldable Mass Spectrometers: Recent Advances. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 2-29	7.8	271
11	Successive Resonances for Ion Ejection at Arbitrary Frequencies in an Ion Trap. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2016</b> , 27, 1922-1928	3.5	10
10	Ion Isolation in a Linear Ion Trap Using Dual Resonance Frequencies. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2016</b> , 27, 1906-1913	3.5	5
9	Multigenerational Broadband Collision-Induced Dissociation of Precursor Ions in a Linear Quadrupole Ion Trap. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2016</b> , 27, 1914-1921	3.5	7
8	Analysis of bacteria using zero volt paper spray. <i>Analytical Methods</i> , <b>2016</b> , 8, 1770-1773	3.2	13
7	Rapid discrimination of bacteria using a miniature mass spectrometer. <i>Analyst, The</i> , <b>2016</b> , 141, 1633-6	5	30
6	Calibration procedure for secular frequency scanning in ion trap mass spectrometers. <i>Rapid Communications in Mass Spectrometry</i> , <b>2016</b> , 30, 1190-1196	2.2	21
5	Single analyzer precursor scans using an ion trap. <i>Rapid Communications in Mass Spectrometry</i> , <b>2016</b> , 30, 800-4	2.2	23
4	Experimental Characterization of Secular Frequency Scanning in Ion Trap Mass Spectrometers. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2016</b> , 27, 1243-55	3.5	30

3	Multigenerational Collision-Induced Dissociation for Characterization of Organic Compounds. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 9572-9581	7.8	18
2	Linear mass scans in quadrupole ion traps using the inverse Mathieu q scan. <i>Rapid Communications in Mass Spectrometry</i> , <b>2016</b> , 30, 2369-2378	2.2	22
1	Profiling phenolic glycosides in <i>Populus deltoides</i> and <i>Populus grandidentata</i> by leaf spray ionization tandem mass spectrometry. <i>Analytical Methods</i> , <b>2015</b> , 7, 870-876	3.2	13