

# Lucas J Szalwinski

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Two-Dimensional Tandem Mass Spectrometry in a Single Scan on a Linear Quadrupole Ion Trap. <i>Analytical Chemistry</i> , 2019, 91, 13752-13762.	3.2	19
2	Simultaneous and Sequential MS/MS Scan Combinations and Permutations in a Linear Quadrupole Ion Trap. <i>Analytical Chemistry</i> , 2017, 89, 11053-11060.	3.2	16
3	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> , 2019, 444, 116171.	0.7	16
4	2D MS/MS Spectra Recorded in the Time Domain Using Repetitive Frequency Sweeps in Linear Quadrupole Ion Traps. <i>Analytical Chemistry</i> , 2020, 92, 10016-10023.	3.2	16
5	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> , 2018, 29, 1355-1364.	1.2	13
6	Complex mixture analysis by two-dimensional mass spectrometry using a miniature ion trap. <i>Talanta Open</i> , 2021, 3, 100028.	1.7	12
7	Bacterial growth monitored by two-dimensional tandem mass spectrometry. <i>Analyst, The</i> , 2022, 147, 940-946.	1.7	12
8	Logical MS/MS scans: a new set of operations for tandem mass spectrometry. <i>Analyst, The</i> , 2018, 143, 5438-5452.	1.7	11
9	Precursor and Neutral Loss Scans in an RF Scanning Linear Quadrupole Ion Trap. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1345-1354.	1.2	10
10	Novel Ion Trap Scan Modes to Develop Criteria for On-Site Detection of Sulfonamide Antibiotics. <i>Analytical Chemistry</i> , 2021, 93, 13904-13911.	3.2	10
11	Spin-Spin Coupling Between Two meta-Benzyne Moieties In a Quinolinium Tetraradical Cation Increases Their Reactivities. <i>Chemistry - A European Journal</i> , 2019, 25, 4472-4477.	1.7	7
12	Quinoline Triradicals: A Reactivity Study. <i>Journal of the American Chemical Society</i> , 2019, 141, 6672-6679.	6.6	6
13	Immediate and sensitive detection of sporulated <i>Bacillus subtilis</i> by microwave release and tandem mass spectrometry of dipicolinic acid. <i>Analyst, The</i> , 2021, 146, 7104-7108.	1.7	5
14	Triple Resonance Methods to Improve Performance of Ion Trap Precursor and Neutral Loss Scans. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1123-1131.	1.2	3
15	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> , 2019, 30, 1092-1101.	1.2	0