

# Christopher D Chouinard

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

477  
citations

759233

12  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

563  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion Mobility in Clinical Analysis: Current Progress and Future Perspectives. <i>Clinical Chemistry</i> , 2016, 62, 124-133.	3.2	88
2	Ion mobility-mass spectrometry separation of steroid structural isomers and epimers. <i>International Journal for Ion Mobility Spectrometry</i> , 2017, 20, 31-39.	1.4	62
3	Rapid Ion Mobility Separations of Bile Acid Isomers Using Cyclodextrin Adducts and Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2018, 90, 11086-11091.	6.5	44
4	Experimental and Theoretical Investigation of Sodiated Multimers of Steroid Epimers with Ion Mobility-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 323-331.	2.8	42
5	Improved Sensitivity and Separations for Phosphopeptides using Online Liquid Chromatography Coupled with Structures for Lossless Ion Manipulations Ion Mobility-Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 10889-10896.	6.5	38
6	Investigating Differences in Gas-Phase Conformations of 25-Hydroxyvitamin D3 Sodiated Epimers using Ion Mobility-Mass Spectrometry and Theoretical Modeling. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1497-1505.	2.8	36
7	Distinguishing enantiomeric amino acids with chiral cyclodextrin adducts and structures for lossless ion manipulations. <i>Electrophoresis</i> , 2018, 39, 3148-3155.	2.4	35
8	Toward Routine Analysis of Anabolic Androgenic Steroids in Urine Using Ion Mobility-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 54-61.	2.8	16
9	Rapid Quantitation of 25-Hydroxyvitamin D2 and D3 in Human Serum Using Liquid Chromatography/Drift Tube Ion Mobility-Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 13555-13561.	6.5	15
10	Ion Mobility-Mass Spectrometry in Metabolomic, Lipidomic, and Proteomic Analyses. <i>Comprehensive Analytical Chemistry</i> , 2019, , 123-159.	1.3	15
11	Improved Identification of Isomeric Steroids Using the PaternÅ <sup>2</sup> -BÅ <sup>1</sup> / <sub>4</sub> chi Reaction with Ion Mobility-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2086-2092.	2.8	14
12	Nanowell-mediated multidimensional separations combining nanoLC with SLIM IM-MS for rapid, high-peak-capacity proteomic analyses. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5363-5372.	3.7	13
13	Ion Mobility Spectrometry with High Ion Utilization Efficiency Using Traveling Wave-Based Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2020, 92, 14930-14938.	6.5	12
14	Targeted glucocorticoid analysis using ion mobility-mass spectrometry (IM-MS). <i>Journal of Mass Spectrometry and Advances in the Clinical Lab</i> , 2022, 24, 50-56.	2.4	12
15	Cation-dependent conformations in 25-hydroxyvitamin D3-cation adducts measured by ion mobility-mass spectrometry and theoretical modeling. <i>International Journal of Mass Spectrometry</i> , 2018, 432, 1-8.	1.5	9
16	Ozone-Induced Cleavage of Endocyclic Câ•C Double Bonds within Steroid Epimers Produces Unique Gas-Phase Conformations. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 411-417.	2.8	9
17	Î²â€Cyclodextrin Encapsulation of Synthetic AHLs: Drug Delivery Implications and Quorumâ€Quenching Exploits. <i>ChemBioChem</i> , 2021, 22, 1292-1301.	2.6	9
18	Zinc Ammonio-dodecaborates: Synthesis, Lewis Acid Strength, and Reactivity. <i>Inorganic Chemistry</i> , 2022, 61, 7032-7042.	4.0	6

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19	Native Ubiquitin Structural Changes Resulting from Complexation with $\beta^2$ -Methylamino-L-alanine (BMAA). <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 895-900.	2.8	2