

# Jacob W McCabe

## List of Publications by Year in descending order

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17  
papers

381  
citations

758635

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h-index

887659

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g-index

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17  
docs citations

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times ranked

436  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature Regulates Stability, Ligand Binding (Mg <sup>2+</sup> and ATP), and Stoichiometry of GroEL-GroES Complexes. <i>Journal of the American Chemical Society</i> , 2022, 144, 2667-2678.	6.6	18
2	THE IMS PARADOX: A PERSPECTIVE ON STRUCTURAL ION MOBILITY-MASS SPECTROMETRY. <i>Mass Spectrometry Reviews</i> , 2021, 40, 280-305.	2.8	29
3	Selective regulation of human TRAAK channels by biologically active phospholipids. <i>Nature Chemical Biology</i> , 2021, 17, 89-95.	3.9	24
4	Variable-Temperature Electrospray Ionization for Temperature-Dependent Folding/Refolding Reactions of Proteins and Ligand Binding. <i>Analytical Chemistry</i> , 2021, 93, 6924-6931.	3.2	33
5	Implementing Digital-Waveform Technology for Extended <i>m/z</i> Range Operation on a Native Dual-Quadrupole FT-IM-Orbitrap Mass Spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2812-2820.	1.2	9
6	Entropy in the Molecular Recognition of Membrane Protein-Lipid Interactions. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 12218-12224.	2.1	10
7	Native IM-Orbitrap MS: Resolving what was hidden. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 124, 115533.	5.8	33
8	Development of native MS capabilities on an extended mass range Q-TOF MS. <i>International Journal of Mass Spectrometry</i> , 2020, 458, 116451.	0.7	13
9	First-Principles Collision Cross Section Measurements of Large Proteins and Protein Complexes. <i>Analytical Chemistry</i> , 2020, 92, 11155-11163.	3.2	24
10	Discovery of Potent Charge-Reducing Molecules for Native Ion Mobility Mass Spectrometry Studies. <i>Analytical Chemistry</i> , 2020, 92, 11242-11249.	3.2	21
11	Molecular Mechanism of ISC Iron-Sulfur Cluster Biogenesis Revealed by High-Resolution Native Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2020, 142, 6018-6029.	6.6	30
12	Development and Evaluation of a Reverse-Entry Ion Source Orbitrap Mass Spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 192-198.	1.2	21
13	Ion Mobility-Mass Spectrometry Techniques for Determining the Structure and Mechanisms of Metal Ion Recognition and Redox Activity of Metal Binding Oligopeptides. <i>Journal of Visualized Experiments</i> , 2019, . .	0.2	3
14	New insights into the metal-induced oxidative degradation pathways of transthyretin. <i>Chemical Communications</i> , 2019, 55, 4091-4094.	2.2	18
15	Fourier Transform-Ion Mobility-Orbitrap Mass Spectrometer: A Next-Generation Instrument for Native Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 10472-10478.	3.2	59
16	Binding Selectivity of Methanobactin from <i>Methylosinus trichosporium</i> OB3b for Copper(I), Silver(I), Zinc(II), Nickel(II), Cobalt(II), Manganese(II), Lead(II), and Iron(II). <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 2588-2601.	1.2	23
17	Probing the Stability of Insulin Oligomers Using Electrospray Ionization Ion Mobility Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2015, 21, 759-774.	0.5	13