

# Jared O Kafader

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

617  
citations

567281

15  
h-index

713466

21  
g-index

24  
all docs

24  
docs citations

24  
times ranked

462  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiplexed mass spectrometry of individual ions improves measurement of proteoforms and their complexes. <i>Nature Methods</i> , 2020, 17, 391-394.	19.0	110
2	Measurement of Individual Ions Sharply Increases the Resolution of Orbitrap Mass Spectra of Proteins. <i>Analytical Chemistry</i> , 2019, 91, 2776-2783.	6.5	57
3	STORI Plots Enable Accurate Tracking of Individual Ion Signals. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2200-2203.	2.8	44
4	Individual Ion Mass Spectrometry Enhances the Sensitivity and Sequence Coverage of Top-Down Mass Spectrometry. <i>Journal of Proteome Research</i> , 2020, 19, 1346-1350.	3.7	36
5	Standard Proteoforms and Their Complexes for Native Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1190-1198.	2.8	33
6	Ce <sub>x</sub> O <sub>y</sub> <sup>z+</sup> ( <i>x</i> = 2-3) + D <sub>2</sub> O Reactions: Stoichiometric Cluster Formation from Deuterioxide Decomposition and Anti-Arrhenius Behavior. <i>Journal of Physical Chemistry A</i> , 2014, 118, 9960-9969.	2.5	32
7	Isotopic Resolution of Protein Complexes up to 466 kDa Using Individual Ion Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 2723-2727.	6.5	32
8	Decoding the protein composition of whole nucleosomes with Nuc-MS. <i>Nature Methods</i> , 2021, 18, 303-308.	19.0	31
9	Melting of Size-Selected Gallium Clusters with 60-183 Atoms. <i>Journal of Physical Chemistry A</i> , 2014, 118, 4900-4906.	2.5	29
10	Molecular and electronic structures of cerium and cerium suboxide clusters. <i>Journal of Chemical Physics</i> , 2016, 145, 154306.	3.0	27
11	Native vs Denatured: An in Depth Investigation of Charge State and Isotope Distributions. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 574-581.	2.8	27
12	Photoelectron spectra of CeO <sup>+</sup> and Ce(OH)2 <sup>+</sup> . <i>Journal of Chemical Physics</i> , 2015, 142, 064305.	3.0	26
13	Photoelectron spectrum of PrO <sup>+</sup> . <i>Journal of Chemical Physics</i> , 2015, 143, 064305.	3.0	19
14	Low-lying electronic structure of EuH, EuOH, and EuO neutrals and anions determined by anion photoelectron spectroscopy and DFT calculations. <i>Journal of Chemical Physics</i> , 2015, 143, 034305.	3.0	18
15	The electron shuffle: Cerium influences samarium <i>f</i> orbital occupancy in heteronuclear Ce-Sm oxide clusters. <i>Journal of Chemical Physics</i> , 2017, 146, 194310.	3.0	17
16	Next-Generation Serology by Mass Spectrometry: Readout of the SARS-CoV-2 Antibody Repertoire. <i>Journal of Proteome Research</i> , 2022, 21, 274-288.	3.7	16
17	Mixed cerium-platinum oxides: Electronic structure of [CeO] <sub>n</sub> Pt <sub>n</sub> ( <i>n</i> = 1, 2) and [CeO <sub>2</sub> ] <sub>n</sub> Pt <sub>n</sub> complex anions and neutrals. <i>Journal of Chemical Physics</i> , 2016, 145, 044317.	3.0	15
18	Exotic electronic structures of Sm <sub>x</sub> Ce <sub>3</sub> O <sub>y</sub> ( <i>x</i> = 0-3; <i>y</i> = 2-4) clusters and the effect of high neutral density of low-lying states on photodetachment transition intensities. <i>Journal of Chemical Physics</i> , 2018, 149, 054305.	3.0	13

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19	Role of weakly bound complexes in temperature-dependence and relative rates of $\text{MxOy}^- + \text{H}_2\text{O}$ ( $\text{M} = \text{Mo}, \text{W}$ ) reactions. <i>Journal of Chemical Physics</i> , 2016, 144, 074307.	3.0	11
20	Ce in the +4 oxidation state: Anion photoelectron spectroscopy and photodissociation of small $\text{CeO}_x\text{H}_z^-$ molecules. <i>Journal of Chemical Physics</i> , 2017, 147, 104303.	3.0	10
21	Molybdenum Oxide Cluster Anion Reactions with $\text{C}_2\text{H}_4$ and $\text{H}_2\text{O}$ : Cooperativity and Chemifragmentation. <i>Journal of Physical Chemistry A</i> , 2018, 122, 41-52.	2.5	10