Brian C Hauck

List of Publications by Year
in descending order

13 papers	177 citations	1039880 9 h-index	1281743 11 g-index
13 all docs	13 docs citations	13 times ranked	183 citing authors

#	Article	IF	Citations
1	An Assessment of Computational Methods for Obtaining Structural Information of Moderately Flexible Biomolecules from Ion Mobility Spectrometry. Journal of the American Society for Mass Spectrometry, 2012, 23, 792-805.	1.2	29
2	E/N effects on K0 values revealed by high precision measurements under low field conditions. Review of Scientific Instruments, 2016, 87, 075104.	0.6	24
3	Determination of E/N Influence on K₀ Values within the Low Field Region of Ion Mobility Spectrometry. Journal of Physical Chemistry A, 2017, 121, 2274-2281.	1.1	23
4	High Accuracy Ion Mobility Spectrometry for Instrument Calibration. Analytical Chemistry, 2018, 90, 4578-4584.	3.2	21
5	Construction and evaluation of a hermetically sealed accurate ion mobility instrument. International Journal for Ion Mobility Spectrometry, 2017, 20, 57-66.	1.4	19
6	Determining the water content of a drift gas using reduced ion mobility measurements. International Journal of Mass Spectrometry, 2014, 368, 37-44.	0.7	16
7	Reproducible 3D-printed unibody drift tubes for ion mobility spectrometry. Sensors and Actuators B: Chemical, 2020, 323, 128671.	4.0	12
8	Accurate Evaluation of Potential Calibration Standards for Ion Mobility Spectrometry. Analytical Chemistry, 2020, 92, 6158-6165.	3.2	12
9	Current status and need for standards in ion mobility spectrometry. International Journal for Ion Mobility Spectrometry, 2018, 21, 105-123.	1.4	10
10	Isoflurane as an Accurate Negative Mode Calibrant for Ion Mobility Spectrometry. Analytical Chemistry, 2021, 93, 16142-16148.	3.2	4
11	Accurate and on-demand chemical sensors: A print-in-place ion mobility spectrometer. Sensors and Actuators B: Chemical, 2022, 362, 131791.	4.0	4
12	From the warehouse to the field: new applications of existing chemical warfare agent detectors without hardware modification. , 2019, , .		2
13	Random forest and long short-term memory based machine learning models for classification of ion mobility spectrometry spectra. , 2021, , .		1