

# Eric Davis

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18 papers	228 citations	9 h-index	15 g-index
18 ext. papers	253 ext. citations	3.9 avg, IF	3.09 L-index

#	Paper	IF	Citations
18	3D printing lifts the lid on black box instruments. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 6905-6915	4.4	2
17	Optical and mass spectral characterization of the electrospray ionization/corona discharge ionization interface. <i>Talanta</i> , <b>2021</b> , 224, 121870	6.2	
16	Use of 3D Printing to Manufacture Document Camera Mounts in Support of Online Education Shifts during the COVID-19 Pandemic. <i>Journal of Chemical Education</i> , <b>2020</b> , 97, 2691-2695	2.4	8
15	Using Open-Source, 3D Printable Optical Hardware To Enhance Student Learning in the Instrumental Analysis Laboratory. <i>Journal of Chemical Education</i> , <b>2018</b> , 95, 672-677	2.4	25
14	Project-Based Learning in Undergraduate Environmental Chemistry Laboratory: Using EPA Methods To Guide Student Method Development for Pesticide Quantitation. <i>Journal of Chemical Education</i> , <b>2017</b> , 94, 451-457	2.4	11
13	An open source ion gate pulser for ion mobility spectrometry. <i>International Journal for Ion Mobility Spectrometry</i> , <b>2017</b> , 20, 87-93	1.5	16
12	Rapid analysis of underivatized fatty acids by electrospray-ionization-ion mobility spectrometry. <i>International Journal for Ion Mobility Spectrometry</i> , <b>2015</b> , 18, 95-104	1.5	1
11	Gravimetric Analysis of Bismuth in Bismuth Subsalicylate Tablets: A Versatile Quantitative Experiment for Undergraduate Laboratories. <i>Journal of Chemical Education</i> , <b>2015</b> , 92, 163-166	2.4	1
10	Electrospray ionization-voltage sweep-ion mobility spectrometry for biomolecules and complex samples. <i>International Journal for Ion Mobility Spectrometry</i> , <b>2014</b> , 17, 147-156	1.5	1
9	Determining the water content of a drift gas using reduced ion mobility measurements. <i>International Journal of Mass Spectrometry</i> , <b>2014</b> , 368, 37-44	1.9	12
8	Evaluation of ion mobility-mass spectrometry for determining the isomeric heterogeneity of oligosaccharide-alditols derived from bovine submaxillary mucin. <i>International Journal of Mass Spectrometry</i> , <b>2013</b> , 352, 9-18	1.9	13
7	Radiative ion-ion neutralization: a new gas-phase atmospheric pressure ion transduction mechanism. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 4760-7	7.8	4
6	Improved ion mobility resolving power with increased buffer gas pressure. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 4858-65	7.8	22
5	Modular ion mobility spectrometer for explosives detection using corona ionization. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 5965-71	7.8	49
4	Comprehensive software suite for the operation, maintenance, and evaluation of an ion mobility spectrometer. <i>International Journal for Ion Mobility Spectrometry</i> , <b>2011</b> , 14, 117	1.5	8
3	Voltage sweep ion mobility spectrometry. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 1260-7	7.8	15
2	High-pressure ion mobility spectrometry. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 3270-5	7.8	40

- 1 Implementation of a Socially Distanced In-Person Laboratory Experience Across the Chemistry Curriculum during the COVID-19 Pandemic at a Small, Liberal Arts University. *Journal of Chemical Education*, 2.4