

# Eric Davis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2319979/publications.pdf>

Version: 2024-02-01

18  
papers

287  
citations

933447

10  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

318  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modular Ion Mobility Spectrometer for Explosives Detection Using Corona Ionization. <i>Analytical Chemistry</i> , 2011, 83, 5965-5971.	6.5	56
2	High-Pressure Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 3270-3275.	6.5	45
3	Using Open-Source, 3D Printable Optical Hardware To Enhance Student Learning in the Instrumental Analysis Laboratory. <i>Journal of Chemical Education</i> , 2018, 95, 672-677.	2.3	32
4	Improved Ion Mobility Resolving Power with Increased Buffer Gas Pressure. <i>Analytical Chemistry</i> , 2012, 84, 4858-4865.	6.5	26
5	An open source ion gate pulser for ion mobility spectrometry. <i>International Journal for Ion Mobility Spectrometry</i> , 2017, 20, 87-93.	1.4	25
6	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> , 2017, 94, 451-457.	2.3	22
7	Determining the water content of a drift gas using reduced ion mobility measurements. <i>International Journal of Mass Spectrometry</i> , 2014, 368, 37-44.	1.5	16
8	Voltage Sweep Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 1260-1267.	6.5	15
9	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> , 2013, 352, 9-18.	1.5	14
10	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> , 2020, 97, 2691-2695.	2.3	11
11	Comprehensive software suite for the operation, maintenance, and evaluation of an ion mobility spectrometer. <i>International Journal for Ion Mobility Spectrometry</i> , 2011, 14, 117.	1.4	8
12	Radiative Ion-Neutralization: A New Gas-Phase Atmospheric Pressure Ion Transduction Mechanism. <i>Analytical Chemistry</i> , 2012, 84, 4760-4767.	6.5	4
13	Gravimetric Analysis of Bismuth in Bismuth Subsalcylate Tablets: A Versatile Quantitative Experiment for Undergraduate Laboratories. <i>Journal of Chemical Education</i> , 2015, 92, 163-166.	2.3	3
14	3D printing lifts the lid on black box instruments. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6905-6915.	3.7	3
15	Electrospray ionization-voltage sweep-ion mobility spectrometry for biomolecules and complex samples. <i>International Journal for Ion Mobility Spectrometry</i> , 2014, 17, 147-156.	1.4	2
16	Rapid analysis of underivatized fatty acids by electrospray-ionization-ion mobility spectrometry. <i>International Journal for Ion Mobility Spectrometry</i> , 2015, 18, 95-104.	1.4	2
17	Implementation of a Socially Distanced In-Person Laboratory Experience Across the Chemistry Curriculum during the COVID-19 Pandemic at a Small, Liberal Arts University. <i>Journal of Chemical Education</i> , 2021, 98, 4078-4087.	2.3	2
18	Optical and mass spectral characterization of the electrospray ionization/corona discharge ionization interface. <i>Talanta</i> , 2021, 224, 121870.	5.5	1