

# James C Reynolds

## List of Publications by Year in descending order

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48  
papers

1,074  
citations

331670

21  
h-index

434195

31  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1514  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating the composition of organic aerosol resulting from cyclohexene ozonolysis: low molecular weight and heterogeneous reaction products. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 4973-4984.	4.9	73
2	Structural Analysis of Oligomeric Molecules Formed from the Reaction Products of Oleic Acid Ozonolysis. <i>Environmental Science &amp; Technology</i> , 2006, 40, 6674-6681.	10.0	69
3	A hollow cathode proton transfer reaction time of flight mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2005, 247, 72-80.	1.5	56
4	Detection of Volatile Organic Compounds in Breath Using Thermal Desorption Electrospray Ionization-Ion Mobility-Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 2139-2144.	6.5	53
5	Structures and Structure-Activity Relationships of Three Mitogenic and Complement Fixing Pectic Arabinogalactans from the Malian Antiulcer Plants <i>Cochlospermum tinctorium</i> A. Rich and <i>Vernonia kotschyana</i> Sch. Bip. ex Walp. <i>Biomacromolecules</i> , 2006, 7, 71-79.	5.4	50
6	Structural analysis of oligosaccharides by atmospheric pressure matrix-assisted laser desorption/ionisation quadrupole ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 176-184.	1.5	49
7	Direct analysis of pharmaceutical formulations from non-bonded reversed-phase thin-layer chromatography plates by desorption electrospray ionisation ion mobility mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2597-2604.	1.5	44
8	Metabolic profiling of human saliva before and after induced physiological stress by ultra-high performance liquid chromatography-ion mobility-mass spectrometry. <i>Metabolomics</i> , 2013, 9, 1192-1201.	3.0	40
9	Kinetics of the pre-treatment of used cooking oil using Novozyme 435 for biodiesel production. <i>Chemical Engineering Research and Design</i> , 2014, 92, 713-719.	5.6	38
10	Determination of testosterone and epitestosterone glucuronides in urine by ultra performance liquid chromatography-ion mobility-mass spectrometry. <i>Analyst</i> , The, 2011, 136, 3911.	3.5	37
11	Miniaturized Ultra High Field Asymmetric Waveform Ion Mobility Spectrometry Combined with Mass Spectrometry for Peptide Analysis. <i>Analytical Chemistry</i> , 2010, 82, 9827-9834.	6.5	35
12	Enhanced Analyte Detection Using In-Source Fragmentation of Field Asymmetric Waveform Ion Mobility Spectrometry-Selected Ions in Combination with Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 4095-4103.	6.5	32
13	Biogenic aldehyde determination by reactive paper spray ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 860, 37-42.	5.4	31
14	Real-time monitoring of exhaled volatiles using atmospheric pressure chemical ionization on a compact mass spectrometer. <i>Bioanalysis</i> , 2016, 8, 1325-1336.	1.5	29
15	Rapid Analysis of Anabolic Steroid Metabolites in Urine by Combining Field Asymmetric Waveform Ion Mobility Spectrometry with Liquid Chromatography and Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 7431-7437.	6.5	29
16	Analysis of human breath samples using a modified thermal desorption: gas chromatography electrospray ionization interface. <i>Journal of Breath Research</i> , 2014, 8, 037105.	3.0	27
17	Structure-immunomodulating activity relationships of a pectic arabinogalactan from <i>Vernonia kotschyana</i> Sch. Bip. ex Walp.. <i>Carbohydrate Research</i> , 2005, 340, 1789-1801.	2.3	26
18	High throughput volatile fatty acid skin metabolite profiling by thermal desorption secondary electrospray ionisation mass spectrometry. <i>Analyst</i> , The, 2014, 139, 4279-4286.	3.5	26

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19	Increasing Peak Capacity in Nontargeted Omics Applications by Combining Full Scan Field Asymmetric Waveform Ion Mobility Spectrometry with Liquid Chromatography–Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 3452-3459.	6.5	26
20	Direct Detection of a Sulfonate Ester Genotoxic Impurity by Atmospheric-Pressure Thermal Desorption–Extractive Electrospray–Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 6224-6227.	6.5	23
21	Direct Determination of Urinary Creatinine by Reactive-Thermal Desorption-Extractive Electrospray-Ion Mobility-Tandem Mass Spectrometry.. <i>Analytical Chemistry</i> , 2014, 86, 357-361.	6.5	22
22	Spatial variations in the microbial community structure and diversity of the human foot is associated with the production of odorous volatiles. <i>FEMS Microbiology Ecology</i> , 2015, 91, 1-11.	2.7	21
23	Mass Spectrometry of Carbohydrates: Newer Aspects. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 2007, 61, 59-141.	0.9	19
24	Transforming presumptive forensic testing: <i>in situ</i> identification and age estimation of human bodily fluids. <i>Chemical Science</i> , 2019, 10, 1064-1069.	7.4	18
25	Atmospheric Pressure Matrix-Assisted Laser Desorption/Ionisation Ion Trap Mass Spectrometry of Synthetic Polymers: A Comparison with Vacuum Matrix-Assisted Laser Desorption/Ionisation Time-of-Flight Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2003, 9, 33-44.	1.0	17
26	Enhanced performance in the determination of ibuprofen 1- $\beta$ -O-acyl glucuronide in urine by combining high field asymmetric waveform ion mobility spectrometry with liquid chromatography-time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1278, 76-81.	3.7	17
27	Determination of free desmosine and isodesmosine as urinary biomarkers of lung disorder using ultra performance liquid chromatography–ion mobility-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 3797-3801.	2.3	16
28	Direct Analysis of Oil Additives by High-Field Asymmetric Waveform Ion Mobility Spectrometry-Mass Spectrometry Combined with Electrospray Ionization and Desorption Electrospray Ionization. <i>Analytical Chemistry</i> , 2016, 88, 2453-2458.	6.5	16
29	Direct analysis of volatile organic compounds in foods by headspace extraction atmospheric pressure chemical ionisation mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1947-1956.	1.5	14
30	Applications of ambient ionization mass spectrometry in 2021: An annual review. <i>Analytical Science Advances</i> , 2022, 3, 67-89.	2.8	14
31	Combined hydrophilic interaction liquid chromatography-scanning field asymmetric waveform ion mobility spectrometry-time-of-flight mass spectrometry for untargeted metabolomics. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6309-6317.	3.7	13
32	The quantitative surface analysis of an antioxidant additive in a lubricant oil matrix by desorption electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 2420-2424.	1.5	12
33	Characterization of Crude Oil and Its Saturate, Aromatic, and Resin Fractions by High-Field Asymmetric Waveform Ion Mobility Spectrometry–High-Resolution Mass Spectrometry. <i>Energy &amp; Fuels</i> , 2018, 32, 11310-11316.	5.1	12
34	Direct analysis of potentially genotoxic impurities by thermal desorption-field asymmetric waveform ion mobility spectrometry-mass spectrometry. <i>Analytical Methods</i> , 2013, 5, 3799.	2.7	9
35	Sheath-flow probe electrospray ionization (sfPESI) mass spectrometry for the rapid forensic analysis of human body fluids. <i>Analytical Methods</i> , 2019, 11, 3633-3640.	2.7	9
36	Structural studies of metal ligand complexes by ion mobility-mass spectrometry. <i>International Journal for Ion Mobility Spectrometry</i> , 2013, 16, 61-67.	1.4	8

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37	Rapid determination of N-methylpyrrolidine in cefepime by combining direct infusion electrospray ionisation-time-of-flight mass spectrometry with field asymmetric waveform ion mobility spectrometry. <i>Analytical Methods</i> , 2015, 7, 34-39.	2.7	7
38	Analysis of Triacetone Triperoxide Complexes with Alkali Metal Ions by Electrospray and Extractive Electrospray Ionisation Combined with Ion Mobility Spectrometry and Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2015, 21, 265-274.	1.0	6
39	Analysis of Supramolecular Complexes of 3-Methylxanthine with Field Asymmetric Waveform Ion Mobility Spectrometry Combined with Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 800-809.	2.8	6
40	Kinetics of the Pre-Treatment of Used Cooking Oil Using Novozyme 435 for Biodiesel Production. <i>Procedia Engineering</i> , 2012, 42, 1106-1113.	1.2	5
41	Direct extraction of urinary analytes from undeveloped reversed-phase thin layer chromatography plates using a solvent gradient combined with on-line electrospray ionisation ion mobility-mass spectrometry. <i>Analyst</i> , 2012, 137, 3510.	3.5	5
42	Using mass spectrometry to transform the assessment of sexual assault evidence. <i>Forensic Chemistry</i> , 2020, 20, 100262.	2.8	5
43	The determination of salivary oxypurines before and after exercise by combined liquid chromatography-field asymmetric waveform ion mobility spectrometry-time-of-flight mass spectrometry. <i>International Journal for Ion Mobility Spectrometry</i> , 2018, 21, 87-95.	1.4	4
44	DNA methylation of tumour necrosis factor (TNF) alpha gene is associated with specific blood fatty acid levels in a gender-specific manner. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2021, 9, e1679.	1.2	4
45	Gas-Phase and Solution Studies of Three Resorcin[4]Arene Derivatives Using Electrospray Time-of-Flight Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2013, 19, 253-263.	1.0	1
46	Rapid analysis of N-methylpyrrolidine in cefepime with thermal desorption ion mobility spectrometry. <i>International Journal for Ion Mobility Spectrometry</i> , 2016, 19, 209-217.	1.4	0
47	Dietary omega-3 supplementation causes rapid, reversible changes to dark adaptation ability. <i>Clinical and Experimental Ophthalmology</i> , 2021, 49, 390-392.	2.6	0
48	Simple, high-throughput measurement of gut-derived short-chain fatty acids in clinically relevant biofluids using gas chromatography-mass spectrometry. <i>Journal of Mass Spectrometry and Advances in the Clinical Lab</i> , 2022, , .	2.4	0