Andre R Venter

List of Publications by Year
in descending order

34	2,393	361045	395343
papers	citations	20 h-index	33 g-index

34	34	34	1929
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ambient desorption ionization mass spectrometry. TrAC - Trends in Analytical Chemistry, 2008, 27, 284-290.	5.8	492
2	Extractive electrospray ionization for direct analysis of undiluted urine, milk and other complex mixtures without sample preparation. Chemical Communications, 2006, , 2042.	2.2	434
3	Droplet Dynamics and Ionization Mechanisms in Desorption Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2006, 78, 8549-8555.	3.2	312
4	Ambient molecular imaging by desorption electrospray ionization mass spectrometry. Nature Protocols, 2008, 3, 517-524.	5.5	155
5	Mechanisms of Real-Time, Proximal Sample Processing during Ambient Ionization Mass Spectrometry. Analytical Chemistry, 2014, 86, 233-249.	3.2	132
6	Internal energy distributions in desorption electrospray ionization (DESI). Journal of the American Society for Mass Spectrometry, 2008, 19, 420-427.	1.2	98
7	Ambient ionization mass spectrometry: real-time, proximal sample processing and ionization. Analytical Methods, 2017, 9, 4896-4907.	1.3	86
8	Desorption Electrospray Ionization in a Small Pressure-Tight Enclosure. Analytical Chemistry, 2007, 79, 6398-6403.	3.2	85
9	Desorption electrospray ionization and electrosonic spray ionization for solid- and solution-phase analysis of industrial polymers. Chemical Communications, 2006, , 888.	2.2	64
10	Surface effects and electrochemical cell capacitance in desorption electrospray ionization. Analyst, The, 2008, 133, 525.	1.7	63
11	Reaction Kinetics and Efficiencies for the Hydroxyl and Sulfate Radical Based Oxidation of Artificial Sweeteners in Water. Journal of Physical Chemistry A, 2012, 116, 9819-9824.	1.1	62
12	Investigating the Role of Adducts in Protein Supercharging with Sulfolane. Journal of the American Society for Mass Spectrometry, 2012, 23, 489-497.	1.2	58
13	Protein analysis by desorption electrospray ionization mass spectrometry and related methods. Journal of Mass Spectrometry, 2013, 48, 553-560.	0.7	43
14	Deconstructing Desorption Electrospray Ionization: Independent Optimization of Desorption and Ionization by Spray Desorption Collection. Journal of the American Society for Mass Spectrometry, 2012, 23, 1896-1902.	1.2	28
15	Rhodamine Based Turn-On Sensors for Ni2+ and Cr3+ in Organic Media: Detecting CNâ^' via the Metal Displacement Approach. Journal of Fluorescence, 2016, 26, 891-898.	1.3	27
16	Surface Sampling by Spray-Desorption Followed by Collection for Chemical Analysis. Analytical Chemistry, 2010, 82, 1674-1679.	3.2	25
17	Spray desorption collection: an alternative to swabbing for pharmaceutical cleaning validation. Analyst, The, 2011, 136, 1298.	1.7	25
18	Ammonium Bicarbonate Addition Improves the Detection of Proteins by Desorption Electrospray Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2017, 28, 1109-1117.	1.2	24

#	Article	IF	Citations
19	Comprehensive Two-Dimensional Supercritical Fluid and Gas Chromatography with Independent Fast Programmed Heating of the Gas Chromatographic Column. Analytical Chemistry, 2004, 76, 3699-3706.	3.2	23
20	A Desorption Electrospray Ionization Mass Spectrometry Study of Aging Products of Diphenylamine Stabilizer in Double-Base Propellants. Propellants, Explosives, Pyrotechnics, 2006, 31, 472-476.	1.0	22
21	Comparing the Effects of Additives on Protein Analysis Between Desorption Electrospray (DESI) and Electrospray Ionization (ESI). Journal of the American Society for Mass Spectrometry, 2018, 29, 2443-2455.	1.2	21
22	Group-Type Analysis of Oxygenated Compounds with a Silica Gel Porous Layer Open Tubular Column and Comprehensive Two-Dimensional Supercritical Fluid and Gas Chromatography. Analytical Chemistry, 2006, 78, 2051-2054.	3.2	19
23	Addition of Serine Enhances Protein Analysis by DESI-MS. Journal of the American Society for Mass Spectrometry, 2019, 30, 694-703.	1.2	16
24	Predicting the Highest Intensity Ion in Multiple Charging Envelopes Observed for Denatured Proteins during Electrospray Ionization Mass Spectrometry by Inspection of the Amino Acid Sequence. Analytical Chemistry, 2013, 85, 8212-8218.	3.2	14
25	Identification of metabolites produced during the complete biodegradation of 1-butyl-3-methylimidazolium chloride by an enriched activated sludge microbial community. Chemosphere, 2017, 167, 53-61.	4.2	14
26	Analysis of alkane, alkene, aromatic and oxygenated groups in petrochemical mixtures by supercritical fluid chromatography on silica gel. Journal of Chromatography A, 1999, 847, 309-321.	1.8	10
27	Effects of amino acid additives on protein solubility â€“ insights from desorption and direct electrospray ionization mass spectrometry. Analyst, The, 2021, 146, 6592-6604.	1.7	9
28	Monomeric, not tetrameric species are responsible for the colossal dielectric constant of copper phthalocyanine derived from pyromellitic dianhydride. RSC Advances, 2012, 2, 10466.	1.7	8
29	Spray desorption collection of free fatty acids onto a solid phase microextraction fiber for trap grease analysis in biofuel production. Analytical Methods, 2011, 3, 683.	1.3	6
30	The Addition of Polar Organic Solvent Vapors During the Analysis of Proteins by DESI-MS. Journal of the American Society for Mass Spectrometry, 2019, 30, 2571-2575.	1.2	6
31	On the Role of a Direct Interaction between Protein Ions and Solvent Additives during Protein Supercharging by Electrospray Ionization Mass Spectrometry. European Journal of Mass Spectrometry, 2015, 21, 641-647.	0.5	5
32	Delayed Desorption Improves Protein Analysis by Desorption Electrospray Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2020, 31, 803-811.	1.2	5
33	Helium assisted desorption and spray ionization. International Journal of Mass Spectrometry, 2022, 479, 116891.	0.7	2
34	Protein analysis by desorption electrospray ionization mass spectrometry and related methods. Journal of Mass Spectrometry, 2013, 48, i-i.	0.7	0