

Andre R Venter

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.

32
papers

2,147
citations

19
h-index

34
g-index

34
ext. papers

2,268
ext. citations

5.2
avg, IF

5.09
L-index

#	Paper	IF	Citations
32	Effects of amino acid additives on protein solubility - insights from desorption and direct electrospray ionization mass spectrometry. <i>Analyst, The</i> , 2021 , 146, 6592-6604	5	2
31	Delayed Desorption Improves Protein Analysis by Desorption Electrospray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 803-811	3.5	4
30	Addition of Serine Enhances Protein Analysis by DESI-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 694-703	3.5	10
29	The Addition of Polar Organic Solvent Vapors During the Analysis of Proteins by DESI-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 2571-2575	3.5	6
28	Comparing the Effects of Additives on Protein Analysis Between Desorption Electrospray (DESI) and Electrospray Ionization (ESI). <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 2443-2455	3.5	15
27	Ammonium Bicarbonate Addition Improves the Detection of Proteins by Desorption Electrospray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1109-1117	3.5	19
26	Ambient ionization mass spectrometry: real-time, proximal sample processing and ionization. <i>Analytical Methods</i> , 2017 , 9, 4896-4907	3.2	72
25	Identification of metabolites produced during the complete biodegradation of 1-butyl-3-methylimidazolium chloride by an enriched activated sludge microbial community. <i>Chemosphere</i> , 2017 , 167, 53-61	8.4	9
24	Rhodamine Based Turn-On Sensors for Ni(2+) and Cr(3+) in Organic Media: Detecting CN(-) via the Metal Displacement Approach. <i>Journal of Fluorescence</i> , 2016 , 26, 891-8	2.4	18
23	On the role of a direct interaction between protein ions and solvent additives during protein supercharging by electrospray ionization mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2015 , 21, 641-7	1.1	4
22	Mechanisms of real-time, proximal sample processing during ambient ionization mass spectrometry. <i>Analytical Chemistry</i> , 2014 , 86, 233-49	7.8	115
21	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. <i>Analytical Chemistry</i> , 2013 , 85, 8212-8	7.8	11
20	Protein analysis by desorption electrospray ionization mass spectrometry and related methods. <i>Journal of Mass Spectrometry</i> , 2013 , 48, 553-60	2.2	36
19	Investigating the role of adducts in protein supercharging with sulfolane. <i>Journal of the American Society for Mass Spectrometry</i> , 2012 , 23, 489-97	3.5	54
18	Deconstructing desorption electrospray ionization: independent optimization of desorption and ionization by spray desorption collection. <i>Journal of the American Society for Mass Spectrometry</i> , 2012 , 23, 1896-902	3.5	26
17	Reaction kinetics and efficiencies for the hydroxyl and sulfate radical based oxidation of artificial sweeteners in water. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 9819-24	2.8	59
16	Monomeric, not tetrameric species are responsible for the colossal dielectric constant of copper phthalocyanine derived from pyromellitic dianhydride. <i>RSC Advances</i> , 2012 , 2, 10466	3.7	7

15	Spray desorption collection of free fatty acids onto a solid phase microextraction fiber for trap grease analysis in biofuel production. <i>Analytical Methods</i> , 2011 , 3, 683-687	3.2	6
14	Spray desorption collection: an alternative to swabbing for pharmaceutical cleaning validation. <i>Analyst, The</i> , 2011 , 136, 1298-301	5	23
13	Surface sampling by spray-desorption followed by collection for chemical analysis. <i>Analytical Chemistry</i> , 2010 , 82, 1674-9	7.8	23
12	Ambient molecular imaging by desorption electrospray ionization mass spectrometry. <i>Nature Protocols</i> , 2008 , 3, 517-24	18.8	141
11	Surface effects and electrochemical cell capacitance in desorption electrospray ionization. <i>Analyst, The</i> , 2008 , 133, 525-31	5	58
10	Internal energy distributions in desorption electrospray ionization (DESI). <i>Journal of the American Society for Mass Spectrometry</i> , 2008 , 19, 420-7	3.5	89
9	Ambient desorption ionization mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2008 , 27, 284-290.	4.6	460
8	Desorption electrospray ionization in a small pressure-tight enclosure. <i>Analytical Chemistry</i> , 2007 , 79, 6398-403	7.8	78
7	Droplet dynamics and ionization mechanisms in desorption electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2006 , 78, 8549-55	7.8	279
6	Desorption electrospray ionization and electrosonic spray ionization for solid- and solution-phase analysis of industrial polymers. <i>Chemical Communications</i> , 2006 , 888-90	5.8	60
5	Group-type analysis of oxygenated compounds with a silica gel porous layer open tubular column and comprehensive two-dimensional supercritical fluid and gas chromatography. <i>Analytical Chemistry</i> , 2006 , 78, 2051-4	7.8	19
4	A Desorption Electrospray Ionization Mass Spectrometry Study of Aging Products of Diphenylamine Stabilizer in Double-Base Propellants. <i>Propellants, Explosives, Pyrotechnics</i> , 2006 , 31, 472-476	1.7	19
3	Extractive electrospray ionization for direct analysis of undiluted urine, milk and other complex mixtures without sample preparation. <i>Chemical Communications</i> , 2006 , 2042-4	5.8	394
2	Comprehensive two-dimensional supercritical fluid and gas chromatography with independent fast programmed heating of the gas chromatographic column. <i>Analytical Chemistry</i> , 2004 , 76, 3699-706	7.8	21
1	Analysis of alkane, alkene, aromatic and oxygenated groups in petrochemical mixtures by supercritical fluid chromatography on silica gel. <i>Journal of Chromatography A</i> , 1999 , 847, 309-321	4.5	10