

# Achille Cappiello

## List of Publications by Year in descending order

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67  
papers

2,573  
citations

201385

27  
h-index

197535

49  
g-index

70  
all docs

70  
docs citations

70  
times ranked

2451  
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid Chromatography–Electron Capture Negative Ionization–Tandem Mass Spectrometry Detection of Pesticides in a Commercial Formulation. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 141-148.	1.2	4
2	Direct Coupling of Bio-SPME to Liquid Electron Ionization-MS/MS via a Modified Microfluidic Open Interface. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 262-269.	1.2	14
3	The history of electron ionization in LC-MS, from the early days to modern technologies: A review. <i>Analytica Chimica Acta</i> , 2021, 1167, 338350.	2.6	25
4	Tyrosol and Hydroxytyrosol Determination in Extra Virgin Olive Oil with Direct Liquid Electron Ionization-Tandem Mass Spectrometry. <i>Separations</i> , 2021, 8, 173.	1.1	6
5	Microfluidic water-assisted trap focusing method for ultra-large volume injection in reversed-phase nano-liquid chromatography coupled to electron ionization tandem-mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1627, 461421.	1.8	5
6	MASS SPECTROMETRY ANALYSIS OF DRUGS OF ABUSE: CHALLENGES AND EMERGING STRATEGIES. <i>Mass Spectrometry Reviews</i> , 2020, 39, 703-744.	2.8	38
7	Mass Spectrometry Based Approach for Organic Synthesis Monitoring. <i>Analytical Chemistry</i> , 2019, 91, 11916-11922.	3.2	14
8	Rapid, hydrolysis-free, dilute-and-shoot method for the determination of buprenorphine, norbuprenorphine and their glucuronides in urine samples using UHPLC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 166, 236-243.	1.4	11
9	Evaluation of a liquid electron ionization liquid chromatography–mass spectrometry interface. <i>Journal of Chromatography A</i> , 2019, 1591, 120-130.	1.8	33
10	Determination of benzodiazepines in beverages using green extraction methods and capillary HPLC-UV detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 154, 492-500.	1.4	28
11	Electron Ionization LC-MS. <i>Comprehensive Analytical Chemistry</i> , 2018, 79, 1-28.	0.7	9
12	MS-Based Analytical Techniques: Advances in Spray-Based Methods and EI-LC-MS Applications. <i>Journal of Analytical Methods in Chemistry</i> , 2018, 2018, 1-24.	0.7	12
13	Atmospheric Pressure Vaporization Mechanism for Coupling a Liquid Phase with Electron Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 2049-2056.	3.2	35
14	Sol-gel coated ion sources for liquid chromatography-direct electron ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2017, 978, 35-41.	2.6	11
15	Direct Infusion Resonance-Enhanced Multiphoton Ionization Mass Spectrometry of Liquid Samples under Vacuum Conditions. <i>Analytical Chemistry</i> , 2017, 89, 10917-10923.	3.2	14
16	Liquid chromatography-electron ionization tandem mass spectrometry with the Direct-EI interface in the fast determination of diazepam and flunitrazepam in alcoholic beverages. <i>Electrophoresis</i> , 2016, 37, 1048-1054.	1.3	24
17	Maltooligosaccharides in the northwestern Adriatic Sea. <i>Chemistry and Ecology</i> , 2016, 32, 88-102.	0.6	2
18	Condensed Phase Membrane Introduction Mass Spectrometry with Direct Electron Ionization: On-line Measurement of PAHs in Complex Aqueous Samples. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 301-308.	1.2	17

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19	Boosting the Detection Potential of Liquid Chromatography-Electron Ionization Mass Spectrometry Using a Ceramic Coated Ion Source. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 153-160.	1.2	12
20	Rapid LC-MS method for the detection of common fragrances in personal care products without sample preparation. <i>Electrophoresis</i> , 2014, 35, 1339-1345.	1.3	25
21	Flow injection of liquid samples to a mass spectrometer with ionization under vacuum conditions: a combined ion source for single-photon and electron impact ionization. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6953-6957.	1.9	12
22	A Fast and Effective Method for Packing Nano-LC Columns with Solid-Core Nano Particles Based on the Synergic Effect of Temperature, Slurry Composition, Sonication and Pressure. <i>Chromatographia</i> , 2013, 76, 1079-1086.	0.7	10
23	A new liquid chromatography-mass spectrometry approach for generic screening and quantitation of potential genotoxic alkylation compounds without derivatization. <i>Journal of Chromatography A</i> , 2012, 1255, 286-290.	1.8	18
24	Determination of Natural Pyrethrins by Liquid Chromatography-Electron Ionisation-Mass Spectrometry. <i>Phytochemical Analysis</i> , 2012, 23, 191-196.	1.2	7
25	In-depth performance investigation of a nano-LC gradient generator. <i>Electrophoresis</i> , 2012, 33, 575-582.	1.3	7
26	Temperature effects on nano-LC column packing technology. <i>Journal of Separation Science</i> , 2012, 35, 1589-1595.	1.3	6
27	Application of Liquid Chromatography-Direct-Electron Ionization-MS in an in Vitro Dermal Absorption Study: Quantitative Determination of <i>trans</i> -Cinnamaldehyde. <i>Analytical Chemistry</i> , 2011, 83, 8537-8542.	3.2	15
28	An SPE Method for the Concurrent Extraction of Organochlorine and Phenoxy Acidic Pesticides in River Water. <i>Chromatographia</i> , 2011, 73, 691-699.	0.7	6
29	Electron ionization in LC-MS: recent developments and applications of the direct-EI LC-MS interface. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2683-2693.	1.9	44
30	Profiling of non-esterified fatty acids in human plasma using liquid chromatography-electron ionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2933-2941.	1.9	38
31	An overview of matrix effects in liquid chromatography-mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2011, 30, 491-509.	2.8	601
32	Direct-EI in LC-MS: Towards a universal detector for small-molecule applications. <i>Mass Spectrometry Reviews</i> , 2011, 30, 1242-1255.	2.8	43
33	Structural modifications and adsorption capability of C18-silica/binary solvent interphases studied by EPR and RP-HPLC. <i>Journal of Colloid and Interface Science</i> , 2010, 352, 512-519.	5.0	11
34	MATRIX EFFECTS IN LIQUID CHROMATOGRAPHY-MASS SPECTROMETRY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010, 33, 1067-1081.	0.5	54
35	Study on the maltooligosaccharide composition of mucilage samples collected along the northern Adriatic coast. <i>Carbohydrate Research</i> , 2009, 344, 120-126.	1.1	5
36	Overcoming Matrix Effects in Liquid Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 9343-9348.	3.2	228

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37	Application of nano-FIA-Direct-EI-MS to determine diethylene glycol in produced formation water discharges and seawater samples. <i>Chemosphere</i> , 2007, 69, 554-560.	4.2	18
38	Adsorption of Pure and Mixed Solvent Solutions of Spin Probes onto Stationary Phases. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10421-10429.	1.2	9
39	Liquid chromatography-electron ionization mass spectrometry: Fields of application and evaluation of the performance of a Direct-EI interface. <i>Mass Spectrometry Reviews</i> , 2005, 24, 978-989.	2.8	29
40	Determination of Endocrine Disrupting Compounds in Marine Water by Nanoliquid Chromatography/Direct-Electron Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 7654-7661.	3.2	30
41	Identification of Levoglucosan and Related Stereoisomers in Fog Water as a Biomass Combustion Tracer by ESI-MS/MS. <i>Annali Di Chimica</i> , 2004, 94, 911-919.	0.6	10
42	Fate of Enrofloxacin in Swine Sewage. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 3473-3477.	2.4	26
43	LC-MS/MS Analysis of Peptides with Methanol as Organic Modifier: Improved Limits of Detection. <i>Analytical Chemistry</i> , 2004, 76, 7028-7038.	3.2	47
44	Nano-high-performance liquid chromatography-electron ionization mass spectrometry approach for environmental analysis. <i>Analytica Chimica Acta</i> , 2003, 493, 125-136.	2.6	47
45	Variable-Gradient Generator for Micro- and Nano-HPLC. <i>Analytical Chemistry</i> , 2003, 75, 1173-1179.	3.2	50
46	Peer Reviewed: Electron Ionization for LC/MS. <i>Analytical Chemistry</i> , 2003, 75, 496 A-503 A.	3.2	15
47	Comparison of Solid-Phase Extraction and Micro-Solid-Phase Extraction for Liquid Chromatography/Mass Spectrometry Analysis of Pesticides in Water Samples. <i>Journal of AOAC INTERNATIONAL</i> , 2003, 86, 941-946.	0.7	6
48	Trace Level Determination of Organophosphorus Pesticides in Water with the New Direct-Electron Ionization LC/MS Interface. <i>Analytical Chemistry</i> , 2002, 74, 3547-3554.	3.2	136
49	A simple approach for coupling liquid chromatography and electron ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 265-273.	1.2	48
50	Micro-SPE Method for Sample Introduction in Capillary HPLC/MS. <i>Analytical Chemistry</i> , 2001, 73, 298-302.	3.2	22
51	New trends in the application of electron ionization to liquid chromatography-mass spectrometry interfacing. <i>Mass Spectrometry Reviews</i> , 2001, 20, 88-104.	2.8	46
52	An Efficient Liquid Chromatography-Mass Spectrometry Interface for the Generation of Electron Ionization Spectra. <i>Analytical Chemistry</i> , 2000, 72, 3841-3846.	3.2	31
53	Liquid chromatographic-mass spectrometric determination of phenolic compounds using a capillary-scale particle beam interface. <i>Journal of Chromatography A</i> , 1999, 855, 515-527.	1.8	35
54	Capillary-scale particle-beam liquid chromatography/mass spectrometry interface: Can electron ionization sustain the competition?. <i>Journal of the American Society for Mass Spectrometry</i> , 1998, 9, 993-1001.	1.2	31

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55	Use of Nonvolatile Buffers in Liquid Chromatography/Mass Spectrometry: Advantages of Capillary-Scale Particle Beam Interfacing. <i>Analytical Chemistry</i> , 1997, 69, 5136-5141.	3.2	27
56	Large volume injection of acidic pesticides by reversed-phase micro high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1997, 768, 215-222.	1.8	33
57	New approach to the characterization of pyrolysis coal products by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1996, 736, 185-194.	1.8	20
58	Enhanced detection sensitivity by large volume injection in reversed-phase micro-high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1996, 742, 69-78.	1.8	36
59	Is particle beam an up-to-date LC-MS interface? State of the art and perspectives. , 1996, 15, 283-296.		44
60	Electron capture ionization of explosives with a microflow rate particle beam interface. <i>Journal of the American Society for Mass Spectrometry</i> , 1996, 7, 753-758.	1.2	31
61	Analysis of coumarins by micro high-performance liquid chromatography-mass spectrometry with a particle beam interface. <i>Journal of the American Society for Mass Spectrometry</i> , 1995, 6, 132-139.	1.2	25
62	Analysis of Thermally Unstable Compounds by a Liquid Chromatography/Mass Spectrometry Particle Beam Interface with a Modified Ion Source. <i>Analytical Chemistry</i> , 1995, 67, 412-419.	3.2	35
63	New Approach for the Analysis of Acidic Pesticides in Water by LC/MS with a Particle Beam Interface. <i>Environmental Science &amp; Technology</i> , 1995, 29, 2295-2300.	4.6	29
64	Determination of Acidic and Basic/Neutral Pesticides in Water with a New Microliter Flow Rate LC/MS Particle Beam Interface. <i>Analytical Chemistry</i> , 1994, 66, 1416-1423.	3.2	76
65	Evaluation of the Performance of a Microflow Rate LC/MS Particle Beam Interface. <i>Analytical Chemistry</i> , 1994, 66, 3970-3976.	3.2	29
66	Micro flow rate particle beam interface for capillary liquid chromatography/mass spectrometry. <i>Analytical Chemistry</i> , 1993, 65, 1281-1287.	3.2	75
67	Determination of halocarbons in air by gas chromatography-high resolution mass spectrometry. <i>Analytical Chemistry</i> , 1981, 53, 798-801.	3.2	30