

Giorgio Famiglioni

List of Publications by Year in descending order

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71
papers

2,670
citations

172207

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72
docs citations

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times ranked

2471
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | An overview of matrix effects in liquid chromatography–mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2011, 30, 491-509. | 2.8 | 601 |
| 2 | Overcoming Matrix Effects in Liquid Chromatography–Mass Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 9343-9348. | 3.2 | 228 |
| 3 | 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 |
| 4 | 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 |
| 5 | Organochlorine Pesticides by LC–MS. <i>Analytical Chemistry</i> , 2008, 80, 3445-3449. | 3.2 | 76 |
| 6 | Advanced Liquid Chromatography–Mass Spectrometry Interface Based on Electron Ionization. <i>Analytical Chemistry</i> , 2007, 79, 5364-5372. | 3.2 | 60 |
| 7 | MATRIX EFFECTS IN LIQUID CHROMATOGRAPHY-MASS SPECTROMETRY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010, 33, 1067-1081. | 0.5 | 54 |
| 8 | Variable-Gradient Generator for Micro- and Nano-HPLC. <i>Analytical Chemistry</i> , 2003, 75, 1173-1179. | 3.2 | 50 |
| 9 | Single-Step LC/MS Method for the Simultaneous Determination of GC-Amenable Organochlorine and LC-Amenable Phenoxy Acidic Pesticides. <i>Analytical Chemistry</i> , 2009, 81, 7373-7378. | 3.2 | 50 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | MASS SPECTROMETRY ANALYSIS OF DRUGS OF ABUSE: CHALLENGES AND EMERGING STRATEGIES. <i>Mass Spectrometry Reviews</i> , 2020, 39, 703-744. | 2.8 | 38 |
| 17 | Determination of aflatoxins in peanut meal by LC/MS with a particle beam interface. <i>Chromatographia</i> , 1995, 40, 411-416. | 0.7 | 36 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | Microextraction by packed sorbent (MEPS)-UHPLC-UV: A simple and efficient method for the determination of five benzodiazepines in an alcoholic beverage. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 125, 48-53. | 1.4 | 33 |
| 24 | Evaluation of a liquid electron ionization liquid chromatography mass spectrometry interface. <i>Journal of Chromatography A</i> , 2019, 1591, 120-130. | 1.8 | 33 |
| 25 | The Rapid Measurement of Benzodiazepines in a Milk-Based Alcoholic Beverage Using QuEChERS Extraction and GC-MS Analysis. <i>Journal of Analytical Toxicology</i> , 2015, 39, 306-312. | 1.7 | 32 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | Generation of split-flow micro-gradients for capillary HPLC. <i>Chromatographia</i> , 1994, 39, 279-284. | 0.7 | 29 |
| 31 | Evaluation of the Performance of a Microflow Rate LC/MS Particle Beam Interface. <i>Analytical Chemistry</i> , 1994, 66, 3970-3976. | 3.2 | 29 |
| 32 | New Approach for the Analysis of Acidic Pesticides in Water by LC/MS with a Particle Beam Interface. <i>Environmental Science & Technology</i> , 1995, 29, 2295-2300. | 4.6 | 29 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | Fate of Enrofloxacin in Swine Sewage. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 3473-3477. | 2.4 | 26 |

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|----|--|-----|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | Liquid chromatography-electron ionization tandem mass spectrometry with the Direct-El interface in the fast determination of diazepam and flunitrazepam in alcoholic beverages. <i>Electrophoresis</i> , 2016, 37, 1048-1054. | 1.3 | 24 |
| 41 | Micro-SPE Method for Sample Introduction in Capillary HPLC/MS. <i>Analytical Chemistry</i> , 2001, 73, 298-302. | 3.2 | 22 |
| 42 | Study on the oligosaccharides composition of the water-soluble fraction of marine mucilage by electrospray tandem mass spectrometry. <i>Water Research</i> , 2007, 41, 2911-2920. | 5.3 | 19 |
| 43 | Application of nano-FIA-Direct-El-MS to determine diethylene glycol in produced formation water discharges and seawater samples. <i>Chemosphere</i> , 2007, 69, 554-560. | 4.2 | 18 |
| 44 | 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 |
| 45 | 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 |
| 46 | Determination of selected endocrine disrupting compounds in human fetal and newborn tissues by GC-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2779-2788. | 1.9 | 16 |
| 47 | Peer Reviewed: Electron Ionization for LC/MS. <i>Analytical Chemistry</i> , 2003, 75, 496 A-503 A. | 3.2 | 15 |
| 48 | 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 |
| 49 | Mass Spectrometry Based Approach for Organic Synthesis Monitoring. <i>Analytical Chemistry</i> , 2019, 91, 11916-11922. | 3.2 | 14 |
| 50 | 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 |
| 51 | Simultaneous Determination of Acidic and Basic-Neutral Pesticides in Water at ppt Concentration Level by Ion-Interaction Micro-HPLC/MS. <i>Environmental Science & Technology</i> , 1999, 33, 3905-3910. | 4.6 | 13 |
| 52 | 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 |
| 53 | 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 |
| 54 | 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 |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | Near-field dispersion of produced formation water (PFW) in the Adriatic Sea: An integrated numerical-chemical approach. <i>Marine Environmental Research</i> , 2008, 65, 325-337. | 1.1 | 9 |
| 58 | Electron Ionization LC-MS. <i>Comprehensive Analytical Chemistry</i> , 2018, 79, 1-28. | 0.7 | 9 |
| 59 | Determination of Natural Pyrethrins by Liquid Chromatography-Electron Ionisation-Mass Spectrometry. <i>Phytochemical Analysis</i> , 2012, 23, 191-196. | 1.2 | 7 |
| 60 | In-depth performance investigation of a nano-LC gradient generator. <i>Electrophoresis</i> , 2012, 33, 575-582. | 1.3 | 7 |
| 61 | 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 |
| 62 | Temperature effects on nano-LC column packing technology. <i>Journal of Separation Science</i> , 2012, 35, 1589-1595. | 1.3 | 6 |
| 63 | 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 |
| 64 | 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 |
| 65 | 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 |
| 66 | LC-ESI-MS determination of diethylene glycol pollution in sea water samples collected around gas extraction platform plants. <i>Talanta</i> , 2009, 80, 257-262. | 2.9 | 4 |
| 67 | 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 |
| 68 | Occurrence of specific environmental risk factors in brain tissues of sudden infant death and sudden intrauterine unexpected death victims assessed with gas chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2463-2472. | 1.9 | 2 |
| 69 | Maltooligosaccharides in the northwestern Adriatic Sea. <i>Chemistry and Ecology</i> , 2016, 32, 88-102. | 0.6 | 2 |
| 70 | The effect of diethylene glycol on pollution from offshore gas platforms. <i>Environmental Chemistry</i> , 2018, 15, 74. | 0.7 | 1 |
| 71 | New liquid chromatography/electron ionization mass spectrometry methods in water analysis. <i>Annali Di Chimica</i> , 2002, 92, 623-36. | 0.6 | 0 |