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List of Publications by Year
in descending order

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Version: 2024-02-01

60 papers	2,275 citations	394421 19 h-index	214800 47 g-index
61 all docs	61 docs citations	61 times ranked	3601 citing authors

#	Article	IF	Citations
1	An overview of current delivery systems in cancer gene therapy. Journal of Controlled Release, 2004, 94, 1-14.	9.9	629
2	Mass Spectrometry, Review of the Basics: Electrospray, MALDI, and Commonly Used Mass Analyzers. Applied Spectroscopy Reviews, 2009, 44, 210-230.	6.7	235
3	Mass spectrometric based approaches in urine metabolomics and biomarker discovery. Mass Spectrometry Reviews, 2017, 36, 115-134.	5.4	230
4	Mass Spectrometry, Review of the Basics: Ionization. Applied Spectroscopy Reviews, 2015, 50, 158-175.	6.7	108
5	Analysis of a series of chlorogenic acid isomers using differential ion mobility and tandem mass spectrometry. Analytica Chimica Acta, 2016, 933, 164-174.	5.4	98
6	Current strategies in cancer gene therapy. European Journal of Pharmacology, 2004, 498, 1-8.	3.5	72
7	Enantioselectivity of mass spectrometry: Challenges and promises. Mass Spectrometry Reviews, 2013, 32, 466-483.	5.4	65
8	Structural investigation of bacterial lipopolysaccharides by mass spectrometry and tandem mass spectrometry. Mass Spectrometry Reviews, 2010, 29, 606-650.	5.4	55
9	Qualitative investigation of barriers to accessing care by people who inject drugs in Saskatoon, Canada: perspectives of service providers. Substance Abuse Treatment, Prevention, and Policy, 2013, 8, 35.	2.2	53
10	STRATEGIES AND CHALLENGES IN METHOD DEVELOPMENT AND VALIDATION FOR THE ABSOLUTE QUANTIFICATION OF ENDOGENOUS BIOMARKER METABOLITES USING LIQUID CHROMATOGRAPHYâ€TANDEM MASS SPECTROMETRY. Mass Spectrometry Reviews, 2021, 40, 31-52.	5.4	49
11	Design and evaluation of cyclodextrin-based delivery systems to incorporate poorly soluble curcumin analogs for the treatment of melanoma. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 81, 548-556.	4.3	42
12	Mass Spectrometric Approaches for the Analysis of Phytosterols in Biological Samples. Journal of Agricultural and Food Chemistry, 2017, 65, 10141-10156.	5.2	39
13	Development and validation of fast and simple flow injection analysisâ€“tandem mass spectrometry (FIAâ€“MS/MS) for the determination of metformin in dog serum. Journal of Pharmaceutical and Biomedical Analysis, 2015, 107, 229-235.	2.8	35
14	Development and Characterization of Liposomal Formulations Containing Phytosterols Extracted from Canola Oil Deodorizer Distillate along with Tocopherols as Food Additives. Pharmaceutics, 2019, 11, 185.	4.5	35
15	Development of a validated LC- MS/MS method for the quantification of 19 endogenous asthma/COPD potential urinary biomarkers. Analytica Chimica Acta, 2017, 989, 45-58.	5.4	33
16	Proteomics in the diagnosis of hepatocellular carcinoma: focus on high risk hepatitis B and C patients. Anticancer Research, 2006, 26, 3293-300.	1.1	33
17	Elucidation of the molecular structure of lipid A isolated from both a rough mutant and a wild strain ofAeromonas salmonicida lipopolysaccharides using electrospray ionization quadrupole time-of-flight tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 1683-1695.	1.5	30
18	Comparative analysis of creatinine and osmolality as urine normalization strategies in targeted metabolomics for the differential diagnosis of asthma and COPD. Metabolomics, 2018, 14, 115.	3.0	25

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19	The Establishment of Tandem Mass Spectrometric Fingerprints of Phytosterols and Tocopherols and the Development of Targeted Profiling Strategies in Vegetable Oils. Journal of the American Society for Mass Spectrometry, 2019, 30, 1700-1712.	2.8	22
20	An Untargeted Metabolomics Approach for Correlating Pulse Crop Seed Coat Polyphenol Profiles with Antioxidant Capacity and Iron Chelation Ability. Molecules, 2021, 26, 3833.	3.8	20
21	Development of Lyophilized Gemini Surfactant-Based Gene Delivery Systems: Influence of Lyophilization on the Structure, Activity and Stability of the Lipoplexes. Journal of Pharmacy and Pharmaceutical Sciences, 2012, 15, 548.	2.1	18
22	A general liquid chromatography tandem mass spectrometry method for the quantitative determination of diquaternary ammonium gemini surfactant drug delivery agents in mouse keratinocytesâ€™ cellular lysate. Journal of Chromatography A, 2013, 1294, 98-105.	3.7	18
23	Structural determination of the novel fragmentation routes of morphine opiate receptor antagonists using electrospray ionization quadrupole time-of-flight tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 3119-3130.	1.5	17
24	Quantitative determination of potential urine biomarkers of respiratory illnesses using new targeted metabolomic approach. Analytica Chimica Acta, 2019, 1047, 81-92.	5.4	17
25	Fast Quantification Without Conventional Chromatography, The Growing Power of Mass Spectrometry. Analytical Chemistry, 2020, 92, 8628-8637.	6.5	17
26	Tandem Mass Spectrometric Analysis of the Novel Gemini Surfactant Nanoparticle Families G12-s and G18:1-s. Spectroscopy Letters, 2010, 43, 447-457.	1.0	16
27	Tandem mass spectrometric analysis of novel diquaternary ammonium gemini surfactants and their bromide adducts in electrosprayâ€positive ion mode ionization. Journal of Mass Spectrometry, 2011, 46, 1060-1070.	1.6	16
28	The unexpected formation of [Mâ€‰â^'â€‰H]⁺species during MALDI and dopant-free APPI MS analysis of novel antineoplastic curcumin analogues. Journal of Mass Spectrometry, 2014, 49, 1139-1147.	1.6	16
29	Multiâ€stage tandem mass spectrometric analysis of novel Î²â€cyclodextrinâ€substituted and novel bisâ€pyridinium gemini surfactants designed as nanomedical drug delivery agents. Rapid Communications in Mass Spectrometry, 2014, 28, 757-772.	1.5	16
30	Comparison of accuracy and precision between multipoint calibration, single point calibration, and relative quantification for targeted metabolomic analysis. Analytical and Bioanalytical Chemistry, 2018, 410, 5899-5913.	3.7	15
31	Analytical Strategies to Analyze the Oxidation Products of Phytosterols, and Formulation-Based Approaches to Reduce Their Generation. Pharmaceutics, 2021, 13, 268.	4.5	14
32	In situ formation of C-glycosides during electrospray ionization tandem mass spectrometry of a series of synthetic amphiphilic cholesteryl polyethoxy neoglycolipids containing N-acetyl-D-glucosamine. Journal of the American Society for Mass Spectrometry, 2005, 16, 565-570.	2.8	13
33	The development and assessment of high-throughput mass spectrometry-based methods for the quantification of a nanoparticle drug delivery agent in cellular lysate. Journal of Mass Spectrometry, 2014, 49, 1171-1180.	1.6	13
34	The Development of Novel Nanodiamond Based MALDI Matrices for the Analysis of Small Organic Pharmaceuticals. Journal of the American Society for Mass Spectrometry, 2016, 27, 1686-1693.	2.8	12
35	Establishment of mass spectrometric fingerprints of novel synthetic cholesteryl neoglycolipids: The presence of a unique C-glycoside species during electrospray ionization and during collision-induced dissociation tandem mass spectrometry. Journal of the American Society for Mass Spectrometry, 2007, 18, 294-310.	2.8	10
36	The simultaneous quantification of phytosterols and tocopherols in liposomal formulations using validated atmospheric pressure chemical ionization- liquid chromatography â€“tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2020, 183, 113104.	2.8	10

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37	Qualitative assessment of crisis services among persons using injection drugs in the city of Saskatoon. Journal of Substance Use, 2013, 18, 3-11.	0.7	9
38	Molecular Engineering as an Approach To Modulate Gene Delivery Efficiency of Peptide-Modified Gemini Surfactants. Bioconjugate Chemistry, 2018, 29, 3293-3308.	3.6	9
39	Cellular Uptake and Distribution of Gemini Surfactant Nanoparticles Used as Gene Delivery Agents. AAPS Journal, 2019, 21, 98.	4.4	9
40	Development of a new quantification method for organic acids in urine as potential biomarkers for respiratory illness. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1122-1123, 29-38.	2.3	8
41	Establishment of the tandem mass spectrometric fingerprints of taxaneâ€based anticancer compounds. Rapid Communications in Mass Spectrometry, 2021, 35, e9107.	1.5	8
42	Mass spectrometric analysis of amino acid/di-peptide modified gemini surfactants used as gene delivery agents: Establishment of a universal mass spectrometric fingerprint. International Journal of Mass Spectrometry, 2012, 309, 182-191.	1.5	7
43	Tandem mass spectrometric analysis of novel caffeine scaffoldâ€based bifunctional compounds for Parkinson's disease. Rapid Communications in Mass Spectrometry, 2019, 33, 1792-1803.	1.5	7
44	Hydrophilic interaction liquid chromatographyâ€“tandem mass spectrometry quantitative method for the cellular analysis of varying structures of gemini surfactants designed as nanomaterial drug carriers. Journal of Chromatography A, 2016, 1446, 114-124.	3.7	6
45	Tandem mass spectrometric analysis of novel peptideâ€modified gemini surfactants used as gene delivery vectors. Journal of Mass Spectrometry, 2017, 52, 353-366.	1.6	6
46	The development of simple flow injection analysis tandem mass spectrometric methods for the cutaneous determination of peptide-modified cationic gemini surfactants used as gene delivery vectors. Journal of Pharmaceutical and Biomedical Analysis, 2018, 159, 536-547.	2.8	6
47	Qualitative assessment of patientsâ€™ perspectives and needs from community pharmacists in substance use disorder management. Substance Abuse Treatment, Prevention, and Policy, 2021, 16, 38.	2.2	6
48	Establishment of tandem mass spectrometric fingerprint of novel antineoplastic curcumin analogues using electrospray ionization. Rapid Communications in Mass Spectrometry, 2015, 29, 1307-1316.	1.5	5
49	Rapid and simple flow injection analysis tandem mass spectrometric method for the quantification of melphalan in a lipidâ€based drug delivery system. Rapid Communications in Mass Spectrometry, 2017, 31, 1481-1490.	1.5	5
50	Qualitative exploration of the education and skill needs of community pharmacists in Saskatoon concerning substance use disorder. Canadian Pharmacists Journal, 2019, 152, 117-129.	0.8	5
51	Liquid chromatography-tandem mass spectrometry bioanalytical method for the determination of kavain in mice plasma: Application to a pharmacokinetic study. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1137, 121939.	2.3	5
52	Mass Spectrometric Detection and Characterization of Metabolites of Gemini Surfactants Used as Gene Delivery Vectors. Journal of the American Society for Mass Spectrometry, 2020, 31, 366-378.	2.8	5
53	Novel Fast Chromatography-Tandem Mass Spectrometric Quantitative Approach for the Determination of Plant-Extracted Phytosterols and Tocopherols. Molecules, 2021, 26, 1402.	3.8	5
54	Determination of phytosterol oxidation products in pharmaceutical liposomal formulations and plant vegetable oil extracts using novel fast liquid chromatography - Tandem mass spectrometric methods. Analytica Chimica Acta, 2022, 1194, 339404.	5.4	5

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55	Peptide-Modified Gemini Surfactants: Preparation and Characterization for Gene Delivery. Methods in Molecular Biology, 2019, 2000, 203-225.	0.9	3
56	Investigation into spinal anesthetic failure with hyperbaric bupivacaine: the role of cold exposure on bupivacaine degradation. Canadian Journal of Anaesthesia, 2019, 66, 803-812.	1.6	3
57	The determination of gemini surfactants used as gene delivery agents in cellular matrix using validated tandem mass spectrometric method. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 164-172.	2.8	3
58	Development and validation of patient-community pharmacist encounter toolkit regarding substance misuse: Delphi procedure. Journal of the American Pharmacists Association: JAPhA, 2021, , .	1.5	2
59	Structural determination of the novel fragmentation routes of morphine opiate receptor antagonists using electrospray ionization quadrupole time-of-flight tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 2519-2519.	1.5	1
60	A High-Throughput Fast Chromatography-Tandem Mass Spectrometry-Based Method for Deoxynivalenol Quantification in Wheat Grain. PhytoFrontiers, 2022, 2, 322-330.	1.6	1