Koit Herodes

List of Publications by Year
in descending order

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40 papers	1,473 citations	516710 16 h-index	315739 38 g-index
40 all docs	40 docs citations	40 times ranked	2019 citing authors

#	Article	IF	Citations
1	Electrospray Ionization Efficiency Scale of Organic Compounds. Analytical Chemistry, 2010, 82, 2865-2872.	6.5	232
2	Tutorial review on validation of liquid chromatographyâ€“mass spectrometry methods: Part II. Analytica Chimica Acta, 2015, 870, 8-28.	5.4	217
3	Tutorial review on validation of liquid chromatographyâ€“mass spectrometry methods: Part I. Analytica Chimica Acta, 2015, 870, 29-44.	5.4	208
4	Intrinsic Basicities of Phosphorus Imines and Ylides:Â A Theoretical Study. Journal of Physical Chemistry A, 2001, 105, 9575-9586.	2.5	101
5	Combating matrix effects in LC/ESI/MS: The extrapolative dilution approach. Analytica Chimica Acta, 2009, 651, 75-80.	5.4	96
6	A sensitive method for free amino acids analysis by liquid chromatography with ultraviolet and mass spectrometric detection using precolumn derivatization with diethyl ethoxymethylenemalonate: Application to the honey analysis. Analytica Chimica Acta, 2010, 672, 79-84.	5.4	77
7	Towards the electrospray ionization mass spectrometry ionization efficiency scale of organic compounds. Rapid Communications in Mass Spectrometry, 2008, 22, 379-384.	1.5	74
8	Comparison of amino acid derivatization reagents for LCâ€“ESI-MS analysis. Introducing a novel phosphazene-based derivatization reagent. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 904, 99-106.	2.3	49
9	Coâ€introduction of native mycorrhizal fungi and plant seeds accelerates restoration of postâ€mining landscapes. Journal of Applied Ecology, 2020, 57, 1741-1751.	4.0	33
10	Development of amino acid derivatization reagents for liquid chromatography electrospray ionization mass spectrometric analysis and ionization efficiency measurements. Journal of Chromatography A, 2015, 1390, 62-70.	3.7	31
11	Signal Enhancement in the HPLC-ESI-MS/MS analysis of spironolactone and its metabolites using HFIP and NH4F as eluent additives. Analytical and Bioanalytical Chemistry, 2017, 409, 3145-3151.	3.7	28
12	Establishing Atmospheric Pressure Chemical Ionization Efficiency Scale. Analytical Chemistry, 2016, 88, 3435-3439.	6.5	22
13	Cocaine-induced epigenetic DNA modification in mouse addiction-specific and non-specific tissues. Neuropharmacology, 2018, 139, 13-25.	4.1	22
14	Study of the matrix effects and sample dilution influence on the LCâ€“ESIâ€“MS/MS analysis using four derivatization reagents. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 967, 147-155.	2.3	21
15	Sponge Sprayâ€”Reaching New Dimensions of Direct Sampling and Analysis by MS. Analytical Chemistry, 2017, 89, 11592-11597.	6.5	20
16	Small-Molecule Inhibitors of the RNA M6A Demethylases FTO Potently Support the Survival of Dopamine Neurons. International Journal of Molecular Sciences, 2021, 22, 4537.	4.1	20
17	Comparison of derivatization methods for the quantitative gas chromatographic analysis of oils. Analytical Methods, 2019, 11, 3514-3522.	2.7	18
18	Accounting for matrix effects of pesticide residue liquid chromatography/electrospray ionisation mass spectrometric determination by treatment of background mass spectra with chemometric tools. Rapid Communications in Mass Spectrometry, 2011, 25, 1159-1168.	1.5	17

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19	Utilization of data below the analytical limit of quantitation in pharmacokinetic analysis and modeling: promoting interdisciplinary debate. Bioanalysis, 2018, 10, 1229-1248.	1.5	17
20	Instrumental techniques in the analysis of natural red textile dyes. Journal of Cultural Heritage, 2020, 42, 19-27.	3.3	16
21	Rapid Determination of Meropenem in Biological Fluids by LC: Comparison of Various Methods for Sample Preparation and Investigation of Meropenem Stability. Chromatographia, 2009, 70, 1423-1427.	1.3	14
22	Electrospray Ionization Matrix Effect as an Uncertainty Source in HPLC/ESI-MS Pesticide Residue Analysis. Journal of AOAC INTERNATIONAL, 2010, 93, 306-314.	1.5	13
23	Pharmacokinetics of Penicillin G in Preterm and Term Neonates. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	13
24	Retention of acidic and basic analytes in reversed phase column using fluorinated and novel eluent additives for liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2020, 1613, 460667.	3.7	13
25	HIV Replication Is Increased by RNA Methylation METTL3/METTL14/WTAP Complex Activators. ACS Omega, 2021, 6, 15957-15963.	3.5	13
26	Matrix influence on derivatization and ionization processes during selenoamino acid liquid chromatography electrospray ionization mass spectrometric analysis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 955-956, 34-41.	2.3	12
27	Dependence of matrix effect on ionization polarity during LCâ€“ESIâ€“MS analysis of derivatized amino acids in some natural samples. European Journal of Mass Spectrometry, 2017, 23, 245-253.	1.0	12
28	The role of DNA methyltransferase activity in cocaine treatment and withdrawal in the nucleus accumbens of mice. Addiction Biology, 2020, 25, e12720.	2.6	12
29	Comparison of amino acid derivatization reagents for liquid chromatography atmospheric pressure chemical ionization mass spectrometric analysis of seven amino acids in tea extract. International Journal of Mass Spectrometry, 2017, 421, 189-195.	1.5	11
30	A highly sensitive method for the simultaneous UHPLCâ€“MS/MS analysis of clonidine, morphine, midazolam and their metabolites in blood plasma using HFIP as the eluent additive. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1052, 150-157.	2.3	10
31	Metallic Fumes at Indoor Military Shooting Ranges: Lead, Copper, Nickel, and Zinc in Different Fractions of Airborne Particulate Matter. Propellants, Explosives, Pyrotechnics, 2018, 43, 228-233.	1.6	10
32	Derivatization-targeted analysis of amino compounds in plant extracts in neutral loss acquisition mode by liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2021, 1656, 462555.	3.7	5
33	Ampicillin Pharmacokinetics During First Week of Life in Preterm and Term Neonates. Pediatric Infectious Disease Journal, 2021, 40, 464-472.	2.0	4
34	Quantitative electrospray ionization efficiency scale: 10Âyears after. Rapid Communications in Mass Spectrometry, 2021, 35, e9178.	1.5	4
35	MiC in Chemistry Curriculum at the University of Tartu: the current status. Accreditation and Quality Assurance, 2002, 7, 159-162.	0.8	3
36	Matrix interference in LC-ESI-MS/MS analysis of metanephrines in protein precipitated plasma samples. European Journal of Mass Spectrometry, 2020, 26, 46-54.	1.0	2

#	Article	IF	Citations
37	Plant uptake of some pharmaceuticals commonly present in sewage sludge compost. , 2010, , .		1
38	Human Biomonitoring in the Oil Shale Industry Area in Estoniaâ€"Overview of Earlier Programmes and Future Perspectives. Frontiers in Public Health, 2020, 8, 582114.	2.7	1
39	Comparison of the ionisation mode in the determination of free amino acids in beers by Liquid Chromatography tandem mass spectrometry. Journal of Chromatography A, 2022, 1677, 463320.	3.7	1
40	Derivatization-targeted analysis of amino compounds from Cardueae species by liquid chromatography tandem mass spectrometry. Planta Medica, 2021, 87, .	1.3	0