

Koit Herodes

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.

37
papers

1,100
citations

14
h-index

33
g-index

40
ext. papers

1,285
ext. citations

3.9
avg, IF

4.25
L-index

#	Paper	IF	Citations
37	Small-Molecule Inhibitors of the RNA M6A Demethylases FTO Potently Support the Survival of Dopamine Neurons. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
36	HIV Replication Is Increased by RNA Methylation METTL3/METTL14/WTAP Complex Activators. <i>ACS Omega</i> , 2021 , 6, 15957-15963	3.9	1
35	Ampicillin Pharmacokinetics During First Week of Life in Preterm and Term Neonates. <i>Pediatric Infectious Disease Journal</i> , 2021 , 40, 464-472	3.4	1
34	Quantitative electrospray ionization efficiency scale: 10 years after. <i>Rapid Communications in Mass Spectrometry</i> , 2021 , 35, e9178	2.2	2
33	Derivatization-targeted analysis of amino compounds in plant extracts in neutral loss acquisition mode by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2021 , 1656, 462555	4.5	0
32	Co-introduction of native mycorrhizal fungi and plant seeds accelerates restoration of post-mining landscapes. <i>Journal of Applied Ecology</i> , 2020 , 57, 1741-1751	5.8	8
31	Retention of acidic and basic analytes in reversed phase column using fluorinated and novel eluent additives for liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2020 , 1613, 460667	4.5	5
30	Human Biomonitoring in the Oil Shale Industry Area in Estonia-Overview of Earlier Programmes and Future Perspectives. <i>Frontiers in Public Health</i> , 2020 , 8, 582114	6	
29	The role of DNA methyltransferase activity in cocaine treatment and withdrawal in the nucleus accumbens of mice. <i>Addiction Biology</i> , 2020 , 25, e12720	4.6	5
28	Instrumental techniques in the analysis of natural red textile dyes. <i>Journal of Cultural Heritage</i> , 2020 , 42, 19-27	2.9	3
27	Matrix interference in LC-ESI-MS/MS analysis of metanephrines in protein precipitated plasma samples. <i>European Journal of Mass Spectrometry</i> , 2020 , 26, 46-54	1.1	1
26	Comparison of derivatization methods for the quantitative gas chromatographic analysis of oils. <i>Analytical Methods</i> , 2019 , 11, 3514-3522	3.2	10
25	Pharmacokinetics of Penicillin G in Preterm and Term Neonates. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	7
24	Metallic Fumes at Indoor Military Shooting Ranges: Lead, Copper, Nickel, and Zinc in Different Fractions of Airborne Particulate Matter. <i>Propellants, Explosives, Pyrotechnics</i> , 2018 , 43, 228-233	1.7	5
23	Utilization of data below the analytical limit of quantitation in pharmacokinetic analysis and modeling: promoting interdisciplinary debate. <i>Bioanalysis</i> , 2018 , 10, 1229-1248	2.1	11
22	Cocaine-induced epigenetic DNA modification in mouse addiction-specific and non-specific tissues. <i>Neuropharmacology</i> , 2018 , 139, 13-25	5.5	16
21	A highly sensitive method for the simultaneous UHPLC-MS/MS analysis of clonidine, morphine, midazolam and their metabolites in blood plasma using HFIP as the eluent additive. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1052, 150-157	3.2	9

20	Signal Enhancement in the HPLC-ESI-MS/MS analysis of spironolactone and its metabolites using HFIP and NHF as eluent additives. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 3145-3151	4.4	18
19	Sponge Spray-Reaching New Dimensions of Direct Sampling and Analysis by MS. <i>Analytical Chemistry</i> , 2017 , 89, 11592-11597	7.8	13
18	Comparison of amino acid derivatization reagents for liquid chromatography atmospheric pressure chemical ionization mass spectrometric analysis of seven amino acids in tea extract. <i>International Journal of Mass Spectrometry</i> , 2017 , 421, 189-195	1.9	9
17	Dependence of matrix effect on ionization polarity during LC-ESI-MS analysis of derivatized amino acids in some natural samples. <i>European Journal of Mass Spectrometry</i> , 2017 , 23, 245-253	1.1	10
16	Establishing Atmospheric Pressure Chemical Ionization Efficiency Scale. <i>Analytical Chemistry</i> , 2016 , 88, 3435-9	7.8	19
15	Tutorial review on validation of liquid chromatography-mass spectrometry methods: part II. <i>Analytica Chimica Acta</i> , 2015 , 870, 8-28	6.6	146
14	Development of amino acid derivatization reagents for liquid chromatography electrospray ionization mass spectrometric analysis and ionization efficiency measurements. <i>Journal of Chromatography A</i> , 2015 , 1390, 62-70	4.5	25
13	Tutorial review on validation of liquid chromatography-mass spectrometry methods: part I. <i>Analytica Chimica Acta</i> , 2015 , 870, 29-44	6.6	161
12	Study of the matrix effects and sample dilution influence on the LC-ESI-MS/MS analysis using four derivatization reagents. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 967, 147-55	3.2	16
11	Matrix influence on derivatization and ionization processes during selenoamino acid liquid chromatography electrospray ionization mass spectrometric analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 955-956, 34-41	3.2	10
10	Comparison of amino acid derivatization reagents for LC-ESI-MS analysis. Introducing a novel phosphazene-based derivatization reagent. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 904, 99-106	3.2	36
9	Accounting for matrix effects of pesticide residue liquid chromatography/electrospray ionisation mass spectrometric determination by treatment of background mass spectra with chemometric tools. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 1159-68	2.2	17
8	Electrospray Ionization Matrix Effect as an Uncertainty Source in HPLC/ESI-MS Pesticide Residue Analysis. <i>Journal of AOAC INTERNATIONAL</i> , 2010 , 93, 306-314	1.7	11
7	Electrospray ionization efficiency scale of organic compounds. <i>Analytical Chemistry</i> , 2010 , 82, 2865-72	7.8	194
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. <i>Analytica Chimica Acta</i> , 2010 , 672, 79-84	6.6	68
5	Combating matrix effects in LC/ESI/MS: the extrapolative dilution approach. <i>Analytica Chimica Acta</i> , 2009 , 651, 75-80	6.6	86
4	Rapid Determination of Meropenem in Biological Fluids by LC: Comparison of Various Methods for Sample Preparation and Investigation of Meropenem Stability. <i>Chromatographia</i> , 2009 , 70, 1423-1427	2.1	12
3	Towards the electrospray ionization mass spectrometry ionization efficiency scale of organic compounds. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 379-84	2.2	63

2	MiC in Chemistry Curriculum at the University of Tartu: the current status. <i>Accreditation and Quality Assurance</i> , 2002 , 7, 159-162	0.7	3
1	Intrinsic Basicities of Phosphorus Imines and Ylides: A Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 9575-9586	2.8	95