

Koit Herodes

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,473
citations

516215

16
h-index

315357

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. <i>Analytical Chemistry</i> , 2010, 82, 2865-2872.	3.2	232
2	Tutorial review on validation of liquid chromatography–mass spectrometry methods: Part II. <i>Analytica Chimica Acta</i> , 2015, 870, 8-28.	2.6	217
3	Tutorial review on validation of liquid chromatography–mass spectrometry methods: Part I. <i>Analytica Chimica Acta</i> , 2015, 870, 29-44.	2.6	208
4	Intrinsic Basicities of Phosphorus Imines and Ylides: A Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2001, 105, 9575-9586.	1.1	101
5	Combating matrix effects in LC/ESI/MS: The extrapolative dilution approach. <i>Analytica Chimica Acta</i> , 2009, 651, 75-80.	2.6	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. <i>Analytica Chimica Acta</i> , 2010, 672, 79-84.	2.6	77
7	Towards the electrospray ionization mass spectrometry ionization efficiency scale of organic compounds. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 379-384.	0.7	74
8	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.	1.2	49
9	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.	1.9	33
10	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.	1.8	31
11	Signal Enhancement in the HPLC-ESI-MS/MS analysis of spironolactone and its metabolites using HFIP and NH ₄ F as eluent additives. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3145-3151.	1.9	28
12	Establishing Atmospheric Pressure Chemical Ionization Efficiency Scale. <i>Analytical Chemistry</i> , 2016, 88, 3435-3439.	3.2	22
13	Cocaine-induced epigenetic DNA modification in mouse addiction-specific and non-specific tissues. <i>Neuropharmacology</i> , 2018, 139, 13-25.	2.0	22
14	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, 147-155.	1.2	21
15	Sponge Spray—Reaching New Dimensions of Direct Sampling and Analysis by MS. <i>Analytical Chemistry</i> , 2017, 89, 11592-11597.	3.2	20
16	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, 4537.	1.8	20
17	Comparison of derivatization methods for the quantitative gas chromatographic analysis of oils. <i>Analytical Methods</i> , 2019, 11, 3514-3522.	1.3	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. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1159-1168.	0.7	17

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19	Utilization of data below the analytical limit of quantitation in pharmacokinetic analysis and modeling: promoting interdisciplinary debate. <i>Bioanalysis</i> , 2018, 10, 1229-1248.	0.6	17
20	Instrumental techniques in the analysis of natural red textile dyes. <i>Journal of Cultural Heritage</i> , 2020, 42, 19-27.	1.5	16
21	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.	0.7	14
22	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.	0.7	13
23	Pharmacokinetics of Penicillin G in Preterm and Term Neonates. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	13
24	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.	1.8	13
25	HIV Replication Is Increased by RNA Methylation METTL3/METTL14/WTAP Complex Activators. <i>ACS Omega</i> , 2021, 6, 15957-15963.	1.6	13
26	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.	1.2	12
27	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.	0.5	12
28	The role of DNA methyltransferase activity in cocaine treatment and withdrawal in the nucleus accumbens of mice. <i>Addiction Biology</i> , 2020, 25, e12720.	1.4	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. <i>International Journal of Mass Spectrometry</i> , 2017, 421, 189-195.	0.7	11
30	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.	1.2	10
31	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.	1.0	10
32	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.	1.8	5
33	Ampicillin Pharmacokinetics During First Week of Life in Preterm and Term Neonates. <i>Pediatric Infectious Disease Journal</i> , 2021, 40, 464-472.	1.1	4
34	Quantitative electrospray ionization efficiency scale: 10 years after. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9178.	0.7	4
35	MiC in Chemistry Curriculum at the University of Tartu: the current status. <i>Accreditation and Quality Assurance</i> , 2002, 7, 159-162.	0.4	3
36	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.	0.5	2

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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. <i>Frontiers in Public Health</i> , 2020, 8, 582114.	1.3	1
39	Comparison of the ionisation mode in the determination of free amino acids in beers by Liquid Chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2022, 1677, 463320.	1.8	1
40	Derivatization-targeted analysis of amino compounds from <i>Cardueae</i> species by liquid chromatography tandem mass spectrometry. <i>Planta Medica</i> , 2021, 87, .	0.7	0