

Robert JirÅ;sko

List of Publications by Year in descending order

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48
papers

1,459
citations

361413

20
h-index

330143

37
g-index

52
all docs

52
docs citations

52
times ranked

1928
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in liquid chromatography–mass spectrometry and related techniques. <i>Journal of Chromatography A</i> , 2012, 1259, 3-15.	3.7	263
2	Basic rules for the interpretation of atmospheric pressure ionization mass spectra of small molecules. <i>Journal of Chromatography A</i> , 2010, 1217, 3908-3921.	3.7	165
3	Lipidomic profiling of human serum enables detection of pancreatic cancer. <i>Nature Communications</i> , 2022, 13, 124.	12.8	68
4	Structural analysis of organometallic compounds with soft ionization mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2011, 30, 1013-1036.	5.4	62
5	Validation of lipidomic analysis of human plasma and serum by supercritical fluid chromatography–mass spectrometry and hydrophilic interaction liquid chromatography–mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2375-2388.	3.7	58
6	Hydrophilic Interaction Liquid Chromatography–Mass Spectrometry Characterization of Gangliosides in Biological Samples. <i>Analytical Chemistry</i> , 2017, 89, 12425-12432.	6.5	55
7	Quality control requirements for the correct annotation of lipidomics data. <i>Nature Communications</i> , 2021, 12, 4771.	12.8	54
8	Synthesis and Structural Study of Organoantimony(III) and Organobismuth(III) Triflates and Cations Containing O,C,O-Pincer Type Ligands. <i>Organometallics</i> , 2007, 26, 2911-2917.	2.3	53
9	Oncolipidomics: Mass spectrometric quantitation of lipids in cancer research. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115480.	11.4	46
10	Metabolic pathways of benzimidazole anthelmintics in harebell (<i>Campanula rotundifolia</i>). <i>Chemosphere</i> , 2016, 157, 10-17.	8.2	42
11	MALDI Orbitrap Mass Spectrometry Profiling of Dysregulated Sulfoglycosphingolipids in Renal Cell Carcinoma Tissues. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1562-1574.	2.8	38
12	Reversed phase UHPLC/ESI-MS determination of oxylipins in human plasma: a case study of female breast cancer. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1239-1251.	3.7	35
13	Electrospray ionization mass spectrometry of tributyltin(IV) complexes and their larvicidal activity on mosquito larvae: crystal and molecular structure of polymeric (Bu ₃ Sn[O ₂ CC ₆ H ₄ {N(CH ₂ CH ₂ NC ₆ H ₄ OCH ₃ -4)} ₂]-o) _n . <i>Applied Organometallic Chemistry</i> , 2005, 19, 935-944.	3.5	33
14	HILIC/ESI-MS determination of gangliosides and other polar lipid classes in renal cell carcinoma and surrounding normal tissues. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6585-6594.	3.7	31
15	Lipidomic characterization of exosomes isolated from human plasma using various mass spectrometry techniques. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158634.	2.4	31
16	Identification of new phase II metabolites of xanthohumol in rat in vivo biotransformation of hop extracts using high-performance liquid chromatography electrospray ionization tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2010, 1217, 4100-4108.	3.7	30
17	Reversible C=C Bond Activation by an Intramolecularly Coordinated Antimony(I) Compound. <i>Chemistry - A European Journal</i> , 2019, 25, 12884-12888.	3.3	26
18	NCN-Chelated Organoantimony(III) and Organobismuth(III) Phosphonates: Syntheses and Structures. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1663-1669.	2.0	25

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19	Distribution study of atorvastatin and its metabolites in rat tissues using combined information from UHPLC/MS and MALDI-Orbitrap-MS imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 4601-4610.	3.7	23
20	Probing the Limits of Oxidative Addition of C(sp ³)-X Bonds toward Selected <i>N,C,N</i> -Chelated Bismuth(I) Compounds. <i>Organometallics</i> , 2020, 39, 4320-4328.	2.3	23
21	Determination of one year stability of lipid plasma profile and comparison of blood collection tubes using UHPSFC/MS and HILIC-UHPLC/MS. <i>Analytica Chimica Acta</i> , 2020, 1137, 74-84.	5.4	22
22	Retention dependences support highly confident identification of lipid species in human plasma by reversed-phase UHPLC/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 319-331.	3.7	20
23	Electrospray ionization-multistage tandem mass spectrometry of complex multitin organometallic compounds. <i>Journal of Mass Spectrometry</i> , 2007, 42, 918-928.	1.6	19
24	Analytical Characterization of Erythritol Tetranitrate, an Improvised Explosive. <i>Journal of Forensic Sciences</i> , 2016, 61, 759-764.	1.6	19
25	Heavier pnictinidene gold(<i>sc</i>) complexes. <i>Dalton Transactions</i> , 2018, 47, 14503-14514.	3.3	19
26	Plasma lipidomic profiles of kidney, breast and prostate cancer patients differ from healthy controls. <i>Scientific Reports</i> , 2021, 11, 20322.	3.3	17
27	Determination and detailed mechanism study of antiviral drug fosamprenavir using carbon paste electrode in the presence of Triton X-100. <i>Electrochimica Acta</i> , 2013, 109, 381-388.	5.2	14
28	Antimony(<i>sc</i>) Pd(<i>sc</i>) complexes with the (1/4-Sb)Pd ₂ coordination framework. <i>Dalton Transactions</i> , 2019, 48, 11912-11920.	3.3	14
29	Role of Y,C,Y-Chelating Ligands in Control Hydrolysis of Diorganotin Compounds. <i>Organometallics</i> , 2008, 27, 3743-3747.	2.3	13
30	Synthesis and Structure of (<i>N</i>), <i>C</i> , <i>N</i> -chelated Organoantimony(III) and Bismuth(III) Cations and Isolation of Their Adducts with Ag[CB ₁₁ H ₁₂]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016, 642, 1212-1217.	1.2	13
31	Intra-laboratory comparison of four analytical platforms for lipidomic quantitation using hydrophilic interaction liquid chromatography or supercritical fluid chromatography coupled to quadrupole - time-of-flight mass spectrometry. <i>Talanta</i> , 2021, 231, 122367.	5.5	13
32	Characterization of Ni(II) complexes of Schiff bases of amino acids and (<i>S</i>)- <i>N</i> -(2-benzoylphenyl)-1-benzylpyrrolidine-2-carboxamide using ion trap and QqTOF electrospray ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2008, 43, 1274-1284.	1.6	12
33	C,N-chelated triorganotin(IV) diesters of 4-ketopimelic acid and their fungicidal activity. <i>Applied Organometallic Chemistry</i> , 2008, 22, 308-313.	3.5	12
34	Comprehensive Identification of Glycosphingolipids in Human Plasma Using Hydrophilic Interaction Liquid Chromatography-Electrospray Ionization Mass Spectrometry. <i>Metabolites</i> , 2021, 11, 140.	2.9	12
35	LipidQuant 1.0: automated data processing in lipid class separation-mass spectrometry quantitative workflows. <i>Bioinformatics</i> , 2021, 37, 4591-4592.	4.1	11
36	Synthesis, Structure and Transmetalation Activity of Various C,Y-Chelated Organogold(I) Compounds. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2578-02587.	2.0	10

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37	Study of TATP: Formation of New Chloroderivates of Triacetone Triperoxide. Propellants, Explosives, Pyrotechnics, 2011, 36, 219-224.	1.6	9
38	Identification of phase I and phase II metabolites of benfluron and dimefluron in rat urine using high-performance liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 2153-2162.	1.5	9
39	Structural characterization of electrochemically and in vitro biologically generated oxidation products of atorvastatin using UHPLC/MS/MS. Analytical and Bioanalytical Chemistry, 2013, 405, 7181-7193.	3.7	7
40	Development of metallocomplex amino acids synthons for the asymmetric preparation of α -amino acids by stereoselective introduction of a side chain. Evaluation of the model asymmetric preparation of alanine and ^{13}C monolabelled α -aminoisobutyric acid. Journal of Radioanalytical and Nuclear Chemistry, 2010, 285, 621-626.	1.5	6
41	$\text{N}^{\text{C}}\text{N}$ -Coordinated Stannylenes as Ligands in Ag(I) and Au(I) Complexes. Organometallics, 2021, 40, 783-791.	2.3	5
42	Non-conventional Behavior of a 2,1-Benzazaphosphole: Heterodiene or Hidden Phosphinidene?. Chemistry - A European Journal, 2021, 27, 13149-13160.	3.3	4
43	Comparison of biotransformation and efficacy of aminoacetonitrile anthelmintics <i>in vitro</i> . Drug Testing and Analysis, 2016, 8, 214-220.	2.6	3
44	Simple and Reproducible Derivatization with Benzoyl Chloride: Improvement of Sensitivity for Multiple Lipid Classes in RP-UHPLC/MS. Analytical Chemistry, 2021, 93, 13835-13843.	6.5	3
45	New chiral synthons of ^{13}C - or ^{15}N -labelled α -amino acids. Journal of Labelled Compounds and Radiopharmaceuticals, 2007, 50, 554-555.	1.0	2
46	Heterobimetallic Platinum(II) Complexes with Increased Cytotoxicity against Ovarian Cancer Cell Lines. New Journal of Chemistry, 0, , .	2.8	1
47	Reversible C=C Bond Activation by an Intramolecularly Coordinated Antimony(I) Compound. Chemistry - A European Journal, 2019, 25, 12854-12854.	3.3	0
48	Non-conventional Behavior of a 2,1-Benzazaphosphole: Heterodiene or Hidden Phosphinidene?. Chemistry - A European Journal, 2021, 27, 13096-13097.	3.3	0