

Robert JirÅ;sko

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/380650/publications.pdf>

Version: 2024-02-01

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	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
2	Lipidomic profiling of human serum enables detection of pancreatic cancer. <i>Nature Communications</i> , 2022, 13, 124.	12.8	68
3	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
4	π -Coordinated Stannylenes as Ligands in Ag(I) and Au(I) Complexes. <i>Organometallics</i> , 2021, 40, 783-791.	2.3	5
5	Nonconventional Behavior of a 2,1-Benzazaphosphole: Heterodiene or Hidden Phosphinidene?. <i>Chemistry - A European Journal</i> , 2021, 27, 13149-13160.	3.3	4
6	Nonconventional Behavior of a 2,1-Benzazaphosphole: Heterodiene or Hidden Phosphinidene?. <i>Chemistry - A European Journal</i> , 2021, 27, 13096-13097.	3.3	0
7	Quality control requirements for the correct annotation of lipidomics data. <i>Nature Communications</i> , 2021, 12, 4771.	12.8	54
8	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
9	LipidQuant 1.0: automated data processing in lipid class separation–mass spectrometry quantitative workflows. <i>Bioinformatics</i> , 2021, 37, 4591-4592.	4.1	11
10	Plasma lipidomic profiles of kidney, breast and prostate cancer patients differ from healthy controls. <i>Scientific Reports</i> , 2021, 11, 20322.	3.3	17
11	Simple and Reproducible Derivatization with Benzoyl Chloride: Improvement of Sensitivity for Multiple Lipid Classes in RP-UHPLC/MS. <i>Analytical Chemistry</i> , 2021, 93, 13835-13843.	6.5	3
12	Probing the Limits of Oxidative Addition of $C(sp^3)$ –X Bonds toward Selected N,C -Chelated Bismuth(I) Compounds. <i>Organometallics</i> , 2020, 39, 4320-4328.	2.3	23
13	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
14	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
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	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
17	Antimony(III)–Pd(II) complexes with the $(\eta^4\text{-Sb})\text{Pd}_2$ coordination framework. <i>Dalton Transactions</i> , 2019, 48, 11912-11920.	3.3	14
18	Reversible C=C Bond Activation by an Intramolecularly Coordinated Antimony(I) Compound. <i>Chemistry - A European Journal</i> , 2019, 25, 12854-12854.	3.3	0

#	ARTICLE	IF	CITATIONS
19	Oncolipidomics: Mass spectrometric quantitation of lipids in cancer research. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115480.	11.4	46
20	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
21	Heavier pnictinidene gold(<i>scpi</i>) complexes. <i>Dalton Transactions</i> , 2018, 47, 14503-14514.	3.3	19
22	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
23	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
24	Hydrophilic Interaction Liquid Chromatographyâ€“Mass Spectrometry Characterization of Gangliosides in Biological Samples. <i>Analytical Chemistry</i> , 2017, 89, 12425-12432.	6.5	55
25	Comparison of biotransformation and efficacy of aminoacetonitrile anthelmintics <i>in vitro</i> . <i>Drug Testing and Analysis</i> , 2016, 8, 214-220.	2.6	3
26	Analytical Characterization of Erythritol Tetranitrate, an Improvised Explosive. <i>Journal of Forensic Sciences</i> , 2016, 61, 759-764.	1.6	19
27	Metabolic pathways of benzimidazole anthelmintics in harebell (<i>Campanula rotundifolia</i>). <i>Chemosphere</i> , 2016, 157, 10-17.	8.2	42
28	Synthesis and Structure of (<i>N</i>), <i>C</i> , <i>N</i> â€“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
29	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
30	Structural characterization of electrochemically and <i>in vitro</i> biologically generated oxidation products of atorvastatin using UHPLC/MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7181-7193.	3.7	7
31	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
32	Recent developments in liquid chromatographyâ€“mass spectrometry and related techniques. <i>Journal of Chromatography A</i> , 2012, 1259, 3-15.	3.7	263
33	Synthesis, Structure and Transmetalation Activity of Various C, <i>Y</i> -Chelated Organogold(I) Compounds. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2578-02587.	2.0	10
34	Study of TATP: Formation of New Chloroderivates of Triacetone Triperoxide. <i>Propellants, Explosives, Pyrotechnics</i> , 2011, 36, 219-224.	1.6	9
35	Identification of phase I and phase II metabolites of benfluron and dimefluron in rat urine using highâ€“performance liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2153-2162.	1.5	9
36	Structural analysis of organometallic compounds with soft ionization mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2011, 30, 1013-1036.	5.4	62

#	ARTICLE	IF	CITATIONS
37	Development of metallocomplex amino acids synthons for the asymmetric preparation of $\hat{\pm}$ -amino acids by stereoselective introduction of a side chain. Evaluation of the model asymmetric preparation of alanine and $\hat{1}^2$ - ^{13}C monolabelled $\hat{\pm}$ -aminoisobutyric acid. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010, 285, 621-626.	1.5	6
38	NCN $\hat{\epsilon}$ Chelated Organoantimony(III) and Organobismuth(III) Phosphonates: Syntheses and Structures. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1663-1669.	2.0	25
39	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
40	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
41	Characterization of Ni(II) complexes of Schiff bases of amino acids and (<i>S</i>)<i>N</i> ($2\hat{\epsilon}\text{benzoylphenyl}$)$1\hat{\epsilon}\text{benzylpyrrolidine}$$2\hat{\epsilon}\text{carboxamide}$ using ion trap and QqTOF electrospray ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2008, 43, 1274-1284.	1.6	12
42	C,N $\hat{\epsilon}$ chelated triorganotin(IV) diesters of 4 $\hat{\epsilon}$ ketopimelic acid and their fungicidal activity. <i>Applied Organometallic Chemistry</i> , 2008, 22, 308-313.	3.5	12
43	Role of Y,C,Y-Chelating Ligands in Control Hydrolysis of Diorganotin Compounds. <i>Organometallics</i> , 2008, 27, 3743-3747.	2.3	13
44	Synthesis and Structural Study of Organoantimony(III) and Organobismuth(III) Triflates and Cations Containing O,C,O-Pincer Type Ligands $\hat{\epsilon}$. <i>Organometallics</i> , 2007, 26, 2911-2917.	2.3	53
45	New chiral synthons of ¹³C $\hat{\epsilon}$ -or ¹⁵N $\hat{\epsilon}$ labelled $\hat{\pm}$ $\hat{\epsilon}$ -amino acids. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2007, 50, 554-555.	1.0	2
46	Electrospray ionization-multistage tandem mass spectrometry of complex multitin organometallic compounds. <i>Journal of Mass Spectrometry</i> , 2007, 42, 918-928.	1.6	19
47	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 $\hat{\epsilon}$ $\frac{3}{4}$ N(C $_6$ H $_3$ -4-OH(C(H) $\hat{\epsilon}$ $\frac{3}{4}$ NC $_6$ H $_4$ OCH $_3$ -4))}] $\hat{\epsilon}$)] $_n$. <i>Applied Organometallic Chemistry</i> , 2005, 19, 935-944.	3.5	33
48	Heterobimetallic Platinum(II) Complexes with Increased Cytotoxicity against Ovarian Cancer Cell Lines. <i>New Journal of Chemistry</i> , 0, , .	2.8	1