

Markus Himmelsbach

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

1,951
citations

257450

24
h-index

289244

40
g-index

91
all docs

91
docs citations

91
times ranked

2751
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of one-phase and two-phase extraction methods for porcine tissue lipidomics applying a fast and reliable tentative annotation workflow. <i>Talanta</i> , 2022, 236, 122849.	5.5	10
2	Plasma Metabolomic Profiling Reveals Four Possibly Disrupted Mechanisms in Systemic Sclerosis. <i>Biomedicines</i> , 2022, 10, 607.	3.2	9
3	Nutrients, bioactive compounds, and minerals in the juices of 16 varieties of apple (<i>Malus domestica</i>) harvested in Austria: A four-year study investigating putative correlations with weather conditions during ripening. <i>Food Chemistry</i> , 2021, 338, 128065.	8.2	14
4	A fast screening approach for the tentative identification of drug-related metabolites from three non-steroidal anti-inflammatory drugs in hydroponically grown edible plants by HPLC with drift-tube ion-mobility quadrupole time-of-flight mass spectrometry. <i>Electrophoresis</i> , 2021, 42, 482-489.	2.4	11
5	Diels-Alder cycloaddition polymerization of highly aromatic polyimides and their multiblock copolymers. <i>Polymer Chemistry</i> , 2021, 12, 3160-3168.	3.9	5
6	Uptake and bio-transformation of telmisartan by cress (<i>Lepidium sativum</i>) from sewage treatment plant effluents using high-performance liquid chromatography/drift-tube ion-mobility quadrupole time-of-flight mass spectrometry. <i>Environmental Science and Pollution Research</i> , 2021, 28, 50790-50798.	5.3	7
7	Quantitation of Mi-saponin A in adulterated <i>Quillaja</i> and contaminated <i>Gypsophila</i> saponin extracts by high performance liquid chromatography/quadrupole time-of-flight mass spectrometry. <i>Phytochemistry Letters</i> , 2021, 45, 77-81.	1.2	0
8	Post-polymerization modification of aromatic polyimides via Diels-Alder cycloaddition. <i>Journal of Polymer Science</i> , 2021, 59, 3161-3166.	3.8	1
9	Changes in Plasma Phospholipid Metabolism Are Associated with Clinical Manifestations of Systemic Sclerosis. <i>Diagnostics</i> , 2021, 11, 2116.	2.6	4
10	Green-light photocleavable <i>meso</i> -methyl BODIPY building blocks for macromolecular chemistry. <i>Polymer Chemistry</i> , 2021, 12, 6927-6936.	3.9	11
11	Investigations on the uptake and transformation of sunscreen ingredients in duckweed (<i>Lemna gibba</i>) and <i>Cyperus alternifolius</i> using high-performance liquid chromatography drift-tube ion-mobility quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1613, 460673.	3.7	5
12	Time study on the uptake of four different beta-blockers in garden cress (<i>Lepidium sativum</i>) as a model plant. <i>Environmental Science and Pollution Research</i> , 2020, 28, 59382-59390.	5.3	5
13	Analytical Approaches for the Determination and Identification of Drug Metabolites in Plants After Uptake. <i>Handbook of Environmental Chemistry</i> , 2020, , 493.	0.4	3
14	Analysis of major bile acids in saliva samples of patients with Barrett's esophagus using high-performance liquid chromatography-electrospray ionization-mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1625, 461278.	3.7	10
15	A new analytical workflow using HPLC with drift-tube ion-mobility quadrupole time-of-flight/mass spectrometry for the detection of drug-related metabolites in plants. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1817-1824.	3.7	12
16	High-performance liquid chromatography drift-tube ion-mobility quadrupole time-of-flight/mass spectrometry for the identity confirmation and characterization of metabolites from three statins (lipid-lowering drugs) in the model plant cress (<i>Lepidium sativum</i>) after uptake from water. <i>Journal of Chromatography A</i> , 2019, 1592, 122-132.	3.7	19
17	Synthesis of \pm -CF ₃ -proline derivatives by means of a formal (3 + 2)-cyclisation between trifluoropyruvate imines and Michael acceptors. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5731-5735.	2.8	13
18	Analysis of polycyclic aromatic hydrocarbons migrating from polystyrene/divinylbenzene-based food contact materials. <i>Monatshefte für Chemie</i> , 2019, 150, 901-906.	1.8	3

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19	Nerve agent markers screening after accumulation in garden cress (<i>Lepidium sativum</i>) used as a model plant object. <i>Journal of Chromatography A</i> , 2019, 1597, 214-219.	3.7	9
20	Uptake and metabolism of the antidepressants sertraline, clomipramine, and trazodone in a garden cress (<i>Lepidium sativum</i>) model. <i>Electrophoresis</i> , 2018, 39, 1301-1308.	2.4	18
21	Insights into the uptake, metabolization, and translocation of four non-steroidal anti-inflammatory drugs in cress (<i>Lepidium sativum</i>) by HPLC-MS ² . <i>Electrophoresis</i> , 2018, 39, 1294-1300.	2.4	22
22	In Vitro and In Vivo Inhibition of Intestinal Glucose Transport by Guava (<i>Psidium Guajava</i>) Extracts. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1701012.	3.3	27
23	Front cover: In Vitro and In Vivo Inhibition of Intestinal Glucose Transport by Guava (<i>Psidium Guajava</i>) Extracts. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1870068.	3.3	0
24	Insulin Mimetic Properties of Extracts Prepared from <i>Bellis perennis</i> . <i>Molecules</i> , 2018, 23, 2605.	3.8	22
25	Hydrothermal carbonization as an all-inclusive process for food-waste conversion. <i>Bioresource Technology Reports</i> , 2018, 2, 77-83.	2.7	48
26	High-performance liquid chromatography-mass spectrometry analysis of the parent drugs and their metabolites in extracts from cress (<i>Lepidium sativum</i>) grown hydroponically in water containing four non-steroidal anti-inflammatory drugs. <i>Journal of Chromatography A</i> , 2017, 1491, 137-144.	3.7	30
27	Asymmetric Synthesis of 2,3-Dihydrobenzofurans by a [4+1] Annulation Between Ammonium Ylides and In Situ Generated Quinone Methides. <i>Chemistry - A European Journal</i> , 2017, 23, 5137-5142.	3.3	76
28	Adaptive camouflage: What can be learned from the wetting behaviour of the tropical flatbugs <i>Dysodius lunatus</i> and <i>D. magnus</i> . <i>Biology Open</i> , 2017, 6, 1209-1218.	1.2	12
29	Stable Europium(III) Complexes with Short Linkers for Site-Specific Labeling of Biomolecules. <i>ChemistryOpen</i> , 2017, 6, 721-732.	1.9	7
30	Trace level determination of ⁹ Δ-tetrahydrocannabinol in a perfume using liquid chromatography high resolution tandem mass spectrometry and gas chromatography mass spectrometry. <i>Flavour and Fragrance Journal</i> , 2017, 32, 46-53.	2.6	3
31	The plant hopper <i>Issus coleoptratus</i> can detoxify phloem sap saponins including the degradation of the terpene core. <i>Biology Open</i> , 2016, 5, 252-255.	1.2	3
32	Separation and characterization of oligomeric hindered amine light stabilizers using high-performance liquid chromatography with UV and quadrupole time-of-flight mass spectrometric detection. <i>Journal of Separation Science</i> , 2016, 39, 1056-1066.	2.5	7
33	Synthesis and Investigation of N,N'-benzylated Epindolidione Derivatives as Organic Semiconductors. <i>ChemistrySelect</i> , 2016, 1, 6349-6355.	1.5	2
34	Advances in the determination of hindered amine light stabilizers - A review. <i>Analytica Chimica Acta</i> , 2016, 933, 10-22.	5.4	24
35	Nonaqueous Capillary Electrophoresis Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2016, 1483, 111-130.	0.9	3
36	Synthesis and characterization of dinuclear silver(I) complexes with exchangeable nitrile ligands. <i>Inorganic Chemistry Communication</i> , 2016, 71, 105-108.	3.9	8

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37	Investigation of photochemical reaction products of glucose formed during direct UV detection in CE. <i>Electrophoresis</i> , 2016, 37, 947-953.	2.4	6
38	Analysis of saccharides in beverages by HPLC with direct UV detection. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1871-1878.	3.7	21
39	Asymmetric α -chlorination of β -ketoesters using bifunctional ammonium salt catalysis. <i>Monatshefte für Chemie</i> , 2016, 147, 533-538.	1.8	21
40	Identification and semi-quantitative determination of anti-oxidants in lubricants employing thin-layer chromatography-spray mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1383, 169-174.	3.7	15
41	Direct ionization methods in mass spectrometry: An overview. <i>Analytica Chimica Acta</i> , 2015, 890, 44-59.	5.4	101
42	Investigation of photochemical reactions of saccharides during direct ultraviolet absorbance detection in capillary electrophoresis. <i>Journal of Chromatography A</i> , 2015, 1388, 259-266.	3.7	15
43	Characterization and quantitation of polyolefin microplastics in personal-care products using high-temperature gel-permeation chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1253-1259.	3.7	75
44	Differences in pharmacokinetics of apple polyphenols after standardized oral consumption of unprocessed apple juice. <i>Nutrition Journal</i> , 2015, 14, 32.	3.4	39
45	Using the Alkynyl-Substituted Rhenium(I) Complex (4,4'-Bisphenyl-Ethynyl-2,2'-Bipyridyl)Re(CO) ₃ Cl as Catalyst for CO ₂ Reduction—Synthesis, Characterization, and Application. <i>Electrocatalysis</i> , 2015, 6, 185-197.	3.0	22
46	Synthesis of quinoxalines or quinolin-8-amines from N-propargyl aniline derivatives employing tin and indium chlorides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9373-9380.	2.8	23
47	Structure elucidation of photoluminescent degradation products from polyolefins and evaluation of stabilizer formulations. <i>Polymer Degradation and Stability</i> , 2015, 121, 378-384.	5.8	6
48	Asymmetric syntheses of three-membered heterocycles using chiral amide-based ammonium ylides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2092-2099.	2.8	24
49	Bismuth A3-Corroles: Useful Precursors for the Development of meso-Substituted Free-Base Corroles. <i>Synthesis</i> , 2014, 46, 3085-3096.	2.3	9
50	Quantitative analysis of hindered amine light stabilizers by CZE with UV detection and quadrupole TOF mass spectrometric detection. <i>Electrophoresis</i> , 2014, 35, 2965-2971.	2.4	9
51	Analysis of paspalic acid, lysergic acid, and iso-lysergic acid by capillary zone electrophoresis with UV and quadrupole time-of-flight mass spectrometric detection. <i>Electrophoresis</i> , 2014, 35, 1329-1333.	2.4	7
52	Thin layer chromatography-spray mass spectrometry: a method for easy identification of synthesis products and UV filters from TLC aluminum foils. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3647-3656.	3.7	25
53	Characterization of quillaja bark extracts and evaluation of their purity using liquid chromatography-high resolution mass spectrometry. <i>Phytochemistry Letters</i> , 2014, 8, 97-100.	1.2	11
54	Characterization of hindered amine light stabilizers employing capillary electrophoresis coupled to quadrupole time-of-flight mass spectrometry. <i>Electrophoresis</i> , 2014, 35, 1368-1374.	2.4	8

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55	Determination of melamine impurities by capillary zone electrophoresis with UV and quadrupole time-of-flight mass spectrometric detection. <i>Electrophoresis</i> , 2014, 35, 1362-1367.	2.4	8
56	Air-stable organic semiconductors based on 6,6-dithienylindigo and polymers thereof. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8089-8097.	5.5	56
57	Peptide Coupling between Amino Acids and the Carboxylic Acid of a Functionalized Chlorido-gold(I)-phosphane. <i>Inorganic Chemistry</i> , 2014, 53, 10602-10610.	4.0	5
58	Rhodium-Coordinated Poly(arylene-ethynylene)-Poly(arylene-vinylene) Copolymer Acting as Photocatalyst for Visible-Light-Powered NAD ⁺ /NADH Reduction. <i>Journal of the American Chemical Society</i> , 2014, 136, 12721-12729.	13.7	70
59	Bioanalytical Characterization of Apple Juice from 88 Grafted and Nongrafted Apple Varieties Grown in Upper Austria. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 1047-1056.	5.2	19
60	Liquid Extraction Surface Analysis (LESA) of Hydrophobic TLC Plates Coupled to Chip-Based Nanoelectrospray High-resolution Mass Spectrometry. <i>Chimia</i> , 2014, 68, 150-154.	0.6	10
61	Trace analysis of biocidal oligoguanidines in environmental water samples. <i>Journal of Chromatography A</i> , 2013, 1318, 22-26.	3.7	6
62	Identification of polyimide materials using quantitative CE with UV and QTOF-MS detection. <i>Electrophoresis</i> , 2013, 34, 944-949.	2.4	3
63	10years of MS instrumental developments – Impact on LC-MS/MS in clinical chemistry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 883-884, 3-17.	2.3	70
64	Comparison of different extraction methods for the determination of statin drugs in wastewater and river water by HPLC/Q-TOF-MS. <i>Talanta</i> , 2011, 85, 607-615.	5.5	53
65	Electronic spectra and photochemical reactivity of bismuth corrole complexes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 218, 247-253.	3.9	24
66	Analysis of Simple Carbohydrates by Capillary Electrophoresis and Capillary Electrophoresis-Mass Spectrometry. , 2011, , 1-21.		9
67	A sensitive non-aqueous capillary electrophoresis-mass spectrometric method for multiresidue analyses of β -agonists in pork. <i>Biomedical Chromatography</i> , 2010, 24, 588-599.	1.7	27
68	A remarkable cyclization of TADDOL-bisthioacetate under oxidative conditions. <i>Monatshefte für Chemie</i> , 2010, 141, 1347-1351.	1.8	9
69	Analysis of methylated melamines in reaction mixtures by CZE-MS. <i>Electrophoresis</i> , 2010, 31, 1194-1200.	2.4	8
70	Determination of cinchona alkaloids by non-aqueous CE with MS detection. <i>Electrophoresis</i> , 2010, 31, 1208-1213.	2.4	21
71	Identification of degradation products of antioxidants in polyolefins by liquid chromatography combined with atmospheric pressure photoionisation mass spectrometry. <i>Polymer Degradation and Stability</i> , 2010, 95, 740-745.	5.8	38
72	Analysis of melamine in milk powder by CZE using UV detection and hyphenation with ESI quadrupole/TOF MS detection. <i>Electrophoresis</i> , 2009, 30, 1743-1746.	2.4	66

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73	Determination of polymer additives by liquid chromatography coupled with mass spectrometry. A comparison of atmospheric pressure photoionization (APPI), atmospheric pressure chemical ionization (APCI), and electrospray ionization (ESI). <i>Polymer Degradation and Stability</i> , 2009, 94, 1213-1219.	5.8	66
74	Capillary electrokinetic chromatography of insulin and related synthetic analogues. <i>Journal of Chromatography A</i> , 2009, 1216, 2953-2957.	3.7	40
75	Characterization of mixtures of biocidal oligoguanidines by capillary electrophoresis and high-performance liquid chromatography coupled to mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 113-118.	3.7	5
76	Improved analysis of melamine-formaldehyde resins by capillary zone electrophoresis-mass spectrometry using ion-trap and quadrupole-time-of-flight mass spectrometers. <i>Journal of Chromatography A</i> , 2008, 1213, 83-87.	3.7	35
77	Identification of acetylcholine and impact of cholinomimetic drugs on cell differentiation and growth in the unicellular green alga <i>Micrasterias denticulata</i> . <i>Plant Science</i> , 2008, 175, 262-266.	3.6	10
78	Immunological Determination of the Pharmaceutical Diclofenac in Environmental and Biological Samples. <i>ACS Symposium Series</i> , 2007, , 203-226.	0.5	8
79	Microemulsion Electrokinetic Chromatography with On-Line Atmospheric Pressure Photoionization Mass Spectrometric Detection. <i>Analytical Chemistry</i> , 2007, 79, 1564-1568.	6.5	43
80	Microemulsion electrokinetic chromatography with on-line atmospheric pressure photoionization-mass spectrometric detection of medium polarity compounds. <i>Journal of Chromatography A</i> , 2007, 1159, 58-62.	3.7	24
81	Determination of antidepressants in surface and waste water samples by capillary electrophoresis with electrospray ionization mass spectrometric detection after preconcentration using off-line solid-phase extraction. <i>Electrophoresis</i> , 2006, 27, 1220-1226.	2.4	74
82	Development of an analytical method for the determination of antidepressants in water samples by capillary electrophoresis with electrospray ionization mass spectrometric detection. <i>Journal of Separation Science</i> , 2005, 28, 1735-1741.	2.5	36
83	Residue Analysis of Oxytetracycline in Water and Sediment Samples by High-Performance Liquid Chromatography and Immunochemical Techniques. <i>Mikrochimica Acta</i> , 2005, 151, 67-72.	5.0	33
84	Determination of Pharmaceutical Drug Residues on Suspended Particulate Material in Surface Water. <i>International Journal of Environmental Analytical Chemistry</i> , 2003, 83, 481-486.	3.3	7
85	Residue Analysis of the Pharmaceutical Diclofenac in Different Water Types Using ELISA and GC-MS. <i>Environmental Science & Technology</i> , 2003, 37, 3422-3429.	10.0	124
86	Determination of purines and pyrimidines in beer samples by capillary zone electrophoresis. <i>Analytica Chimica Acta</i> , 2002, 454, 185-191.	5.4	44
87	Sheath Liquids in CE-MS: Role, Parameters, and Optimization. , 0, , 41-65.		0