Markus Himmelsbach

List of Publications by Year
in descending order

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	Residue Analysis of the Pharmaceutical Diclofenac in Different Water Types Using ELISA and GCâ^'MS. Environmental Science & Technology, 2003, 37, 3422-3429.	10.0	124
2	Direct ionization methods in mass spectrometry: An overview. Analytica Chimica Acta, 2015, 890, 44-59.	5.4	101
3	Asymmetric Synthesis of 2,3â€Dihydrobenzofurans by a [4+1] Annulation Between Ammonium Ylides and In Situ Generated oâ€Quinone Methides. Chemistry - A European Journal, 2017, 23, 5137-5142.	3.3	76
4	Characterization and quantitation of polyolefin microplastics in personal-care products using high-temperature gel-permeation chromatography. Analytical and Bioanalytical Chemistry, 2015, 407, 1253-1259.	3.7	75
5	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. Electrophoresis, 2006, 27, 1220-1226.	2.4	74
6	10years of MS instrumental developments â€“ Impact on LCâ€“MS/MS in clinical chemistry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 883-884, 3-17.	2.3	70
7	Rhodium-Coordinated Poly(arylene-ethynylene)-alt-Poly(arylene-vinylene) Copolymer Acting as Photocatalyst for Visible-Light-Powered NAD⁺/NADH Reduction. Journal of the American Chemical Society, 2014, 136, 12721-12729.	13.7	70
8	Analysis of melamine in milk powder by CZE using UV detection and hyphenation with ESI quadrupole/TOF MS detection. Electrophoresis, 2009, 30, 1743-1746.	2.4	66
9	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). Polymer Degradation and Stability, 2009, 94, 1213-1219.	5.8	66
10	Air-stable organic semiconductors based on 6,6â€²-dithienylindigo and polymers thereof. Journal of Materials Chemistry C, 2014, 2, 8089-8097.	5.5	56
11	Comparison of different extraction methods for the determination of statin drugs in wastewater and river water by HPLC/Q-TOF-MS. Talanta, 2011, 85, 607-615.	5.5	53
12	Hydrothermal carbonization as an all-inclusive process for food-wasteÂconversion. Bioresource Technology Reports, 2018, 2, 77-83.	2.7	48
13	Determination of purines and pyrimidines in beer samples by capillary zone electrophoresis. Analytica Chimica Acta, 2002, 454, 185-191.	5.4	44
14	Microemulsion Electrokinetic Chromatography with On-Line Atmospheric Pressure Photoionization Mass Spectrometric Detection. Analytical Chemistry, 2007, 79, 1564-1568.	6.5	43
15	Capillary electrokinetic chromatography of insulin and related synthetic analogues. Journal of Chromatography A, 2009, 1216, 2953-2957.	3.7	40
16	Differences in pharmacokinetics of apple polyphenols after standardized oral consumption of unprocessed apple juice. Nutrition Journal, 2015, 14, 32.	3.4	39
17	Identification of degradation products of antioxidants in polyolefins by liquid chromatography combined with atmospheric pressure photoionisation mass spectrometry. Polymer Degradation and Stability, 2010, 95, 740-745.	5.8	38
18	Development of an analytical method for the determination of antidepressants in water samples by capillary electrophoresis with electrospray ionization mass spectrometric detection. Journal of Separation Science, 2005, 28, 1735-1741.	2.5	36

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19	Improved analysis of melamineâ€“formaldehyde resins by capillary zone electrophoresisâ€“mass spectrometry using ion-trap and quadrupole-time-of-flight mass spectrometers. Journal of Chromatography A, 2008, 1213, 83-87.	3.7	35
20	Residue Analysis of Oxytetracycline in Water and Sediment Samples by High-Performance Liquid Chromatography and Immunochemical Techniques. Mikrochimica Acta, 2005, 151, 67-72.	5.0	33
21	High-performance liquid chromatography â€“ mass spectrometry analysis of the parent drugs and their metabolites in extracts from cress (Lepidium sativum) grown hydroponically in water containing four non-steroidal anti-inflammatory drugs. Journal of Chromatography A, 2017, 1491, 137-144.	3.7	30
22	A sensitive nonâ€aqueous capillary electrophoresisâ€mass spectrometric method for multiresidue analyses of Î²â€agonists in pork. Biomedical Chromatography, 2010, 24, 588-599.	1.7	27
23	In Vitro and In Vivo Inhibition of Intestinal Glucose Transport by Guava (Psidium Guajava) Extracts. Molecular Nutrition and Food Research, 2018, 62, e1701012.	3.3	27
24	Thin layer chromatographyâ€“spray mass spectrometry: a method for easy identification of synthesis products and UV filters from TLC aluminum foils. Analytical and Bioanalytical Chemistry, 2014, 406, 3647-3656.	3.7	25
25	Microemulsion electrokinetic chromatography with on-line atmospheric pressure photoionization-mass spectrometric detection of medium polarity compounds. Journal of Chromatography A, 2007, 1159, 58-62.	3.7	24
26	Electronic spectra and photochemical reactivity of bismuth corrole complexes. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 218, 247-253.	3.9	24
27	Asymmetric syntheses of three-membered heterocycles using chiral amide-based ammonium ylides. Organic and Biomolecular Chemistry, 2015, 13, 2092-2099.	2.8	24
28	Advances in the determination of hindered amine light stabilizers â€“ A review. Analytica Chimica Acta, 2016, 933, 10-22.	5.4	24
29	Synthesis of quinoxalines or quinolin-8-amines from N-propargyl aniline derivatives employing tin and indium chlorides. Organic and Biomolecular Chemistry, 2015, 13, 9373-9380.	2.8	23
30	Using the Alkynyl-Substituted Rhenium(I) Complex (4,4â€²-Bisphenyl-Ethynyl-2,2â€²-Bipyridyl)Re(CO)3Cl as Catalyst for CO2 Reductionâ€”Synthesis, Characterization, and Application. Electrocatalysis, 2015, 6, 185-197.	3.0	22
31	Insights into the uptake, metabolization, and translocation of four nonâ€steroidal antiâ€inflammatory drugs in cress (Lepidium sativum) by HPLCâ€MS². Electrophoresis, 2018, 39, 1294-1300.	2.4	22
32	Insulin Mimetic Properties of Extracts Prepared from Bellis perennis. Molecules, 2018, 23, 2605.	3.8	22
33	Determination of cinchona alkaloids by nonâ€aqueous CE with MS detection. Electrophoresis, 2010, 31, 1208-1213.	2.4	21
34	Analysis of saccharides in beverages by HPLC with direct UV detection. Analytical and Bioanalytical Chemistry, 2016, 408, 1871-1878.	3.7	21
35	Asymmetric Î±-chlorination of Î²-ketoesters using bifunctional ammonium salt catalysis. Monatshefte FÃ¼r Chemie, 2016, 147, 533-538.	1.8	21
36	Bioanalytical Characterization of Apple Juice from 88 Grafted and Nongrafted Apple Varieties Grown in Upper Austria. Journal of Agricultural and Food Chemistry, 2014, 62, 1047-1056.	5.2	19

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37	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 (Lepidium sativum) after uptake from water. Journal of Chromatography A, 2019, 1592, 122-132.	3.7	19
38	Uptake and metabolism of the antidepressants sertraline, clomipramine, and trazodone in a garden cress (Lepidium sativum) model. Electrophoresis, 2018, 39, 1301-1308.	2.4	18
39	Identification and semi-quantitative determination of anti-oxidants in lubricants employing thin-layer chromatography-spray mass spectrometry. Journal of Chromatography A, 2015, 1383, 169-174.	3.7	15
40	Investigation of photochemical reactions of saccharides during direct ultraviolet absorbance detection in capillary electrophoresis. Journal of Chromatography A, 2015, 1388, 259-266.	3.7	15
41	Nutrients, bioactive compounds, and minerals in the juices of 16 varieties of apple (Malus domestica) harvested in Austria: A four-year study investigating putative correlations with weather conditions during ripening. Food Chemistry, 2021, 338, 128065.	8.2	14
42	Synthesis of Î±-CF₃-proline derivatives by means of a formal (3 + 2)-cyclisation between trifluoropyruvate imines and Michael acceptors. Organic and Biomolecular Chemistry, 2019, 17, 5731-5735.	2.8	13
43	Adaptive camouflage: What can be learned from the wetting behaviour of the tropical flatbugsDysodius lunatusandD. magnus. Biology Open, 2017, 6, 1209-1218.	1.2	12
44	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. Analytical and Bioanalytical Chemistry, 2020, 412, 1817-1824.	3.7	12
45	Characterization of quillaja bark extracts and evaluation of their purity using liquid chromatographyâ€“high resolution mass spectrometry. Phytochemistry Letters, 2014, 8, 97-100.	1.2	11
46	A fastâ€screening approach for the tentative identification of drugâ€related metabolites from three nonâ€steroidal antiâ€inflammatory drugs in hydroponically grown edible plants by HPLCâ€driftâ€tubeâ€ionâ€mobility quadrupole timeâ€ofâ€flight mass spectrometry. Electrophoresis, 2021, 42, 482-489.	2.4	11
47	Green-light photocleavable meso-methyl BODIPY building blocks for macromolecular chemistry. Polymer Chemistry, 2021, 12, 6927-6936.	3.9	11
48	Identification of acetylcholine and impact of cholinomimetic drugs on cell differentiation and growth in the unicellular green alga Micrasterias denticulata. Plant Science, 2008, 175, 262-266.	3.6	10
49	Liquid Extraction Surface Analysis (LESA) of Hydrophobic TLC Plates Coupled to Chip-Based Nanoelectrospray High-resolution Mass Spectrometry. Chimia, 2014, 68, 150-154.	0.6	10
50	Analysis of major bile acids in saliva samples of patients with Barrett's esophagus using high-performance liquid chromatography-electrospray ionization-mass spectrometry. Journal of Chromatography A, 2020, 1625, 461278.	3.7	10
51	Comparison of one-phase and two-phase extraction methods for porcine tissue lipidomics applying a fast and reliable tentative annotation workflow. Talanta, 2022, 236, 122849.	5.5	10
52	A remarkable cyclization of TADDOL-bisthioacetate under oxidative conditions. Monatshefte FÃ¼r Chemie, 2010, 141, 1347-1351.	1.8	9
53	Bismuth A3-Corroles: Useful Precursors for the Development of meso-Substituted Free-Base Corroles. Synthesis, 2014, 46, 3085-3096.	2.3	9
54	Quantitative analysis of hindered amine light stabilizers by CZE with UV detection and quadrupole TOF mass spectrometric detection. Electrophoresis, 2014, 35, 2965-2971.	2.4	9

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55	Nerve agent markers screening after accumulation in garden cress (Lepidium sativum) used as a model plant object. Journal of Chromatography A, 2019, 1597, 214-219.	3.7	9
56	Analysis of Simple Carbohydrates by Capillary Electrophoresis and Capillary Electrophoresisâ€“Mass Spectrometry. , 2011, , 1-21.		9
57	Plasma Metabolomic Profiling Reveals Four Possibly Disrupted Mechanisms in Systemic Sclerosis. Biomedicines, 2022, 10, 607.	3.2	9
58	Immunological Determination of the Pharmaceutical Diclofenac in Environmental and Biological Samples. ACS Symposium Series, 2007, , 203-226.	0.5	8
59	Analysis of methylated melamines in reaction mixtures by CZEâ€MS. Electrophoresis, 2010, 31, 1194-1200.	2.4	8
60	Characterization of hindered amine light stabilizers employing capillary electrophoresis coupled to quadrupole time-of-flight mass spectrometry. Electrophoresis, 2014, 35, 1368-1374.	2.4	8
61	Determination of melamine impurities by capillary zone electrophoresis with <scp>UV</scp>â€•and quadrupole timeâ€ofâ€flight mass spectrometric detection. Electrophoresis, 2014, 35, 1362-1367.	2.4	8
62	Synthesis and characterization of dinuclear silver(I) complexes with exchangeable nitrile ligands. Inorganic Chemistry Communication, 2016, 71, 105-108.	3.9	8
63	Determination of Pharmaceutical Drug Residues on Suspended Particulate Material in Surface Water. International Journal of Environmental Analytical Chemistry, 2003, 83, 481-486.	3.3	7
64	Analysis of paspalic acid, lysergic acid, and isoâ€lysergic acid by capillary zone electrophoresis with UVâ€• and quadrupole timeâ€ofâ€flight mass spectrometric detection. Electrophoresis, 2014, 35, 1329-1333.	2.4	7
65	Separation and characterization of oligomeric hindered amine light stabilizers using highâ€performance liquid chromatography with UV and quadrupole timeâ€ofâ€flight mass spectrometric detection. Journal of Separation Science, 2016, 39, 1056-1066.	2.5	7
66	Stable Europium(III) Complexes with Short Linkers for Siteâ€Specific Labeling of Biomolecules. ChemistryOpen, 2017, 6, 721-732.	1.9	7
67	Uptake and bio-transformation of telmisartan by cress (Lepidium sativum) from sewage treatment plant effluents using high-performance liquid chromatography/drift-tube ion-mobility quadrupole time-of-flight mass spectrometry. Environmental Science and Pollution Research, 2021, 28, 50790-50798.	5.3	7
68	Trace analysis of biocidal oligoguanidines in environmental water samples. Journal of Chromatography A, 2013, 1318, 22-26.	3.7	6
69	Structure elucidation of photoluminescent degradation products from polyolefins and evaluation of stabilizer formulations. Polymer Degradation and Stability, 2015, 121, 378-384.	5.8	6
70	Investigation of photochemical reaction products of glucose formed during direct UV detection in CE. Electrophoresis, 2016, 37, 947-953.	2.4	6
71	Characterization of mixtures of biocidal oligoguanidines by capillary electrophoresis and high-performance liquid chromatography coupled to mass spectrometry. Journal of Chromatography A, 2009, 1216, 113-118.	3.7	5
72	Peptide Coupling between Amino Acids and the Carboxylic Acid of a Functionalized Chlorido-gold(I)-phosphane. Inorganic Chemistry, 2014, 53, 10602-10610.	4.0	5

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73	Investigations on the uptake and transformation of sunscreen ingredients in duckweed (Lemna gibba) and Cyperus alternifolius using high-performance liquid chromatography drift-tube ion-mobility quadrupole time-of-flight mass spectrometry. Journal of Chromatography A, 2020, 1613, 460673.	3.7	5
74	Time study on the uptake of four different beta-blockers in garden cress (Lepidium sativum) as a model plant. Environmental Science and Pollution Research, 2020, 28, 59382-59390.	5.3	5
75	Dielsâ€“Alder cycloaddition polymerization of highly aromatic polyimides and their multiblock copolymers. Polymer Chemistry, 2021, 12, 3160-3168.	3.9	5
76	Changes in Plasma Phospholipid Metabolism Are Associated with Clinical Manifestations of Systemic Sclerosis. Diagnostics, 2021, 11, 2116.	2.6	4
77	Identification of polyimide materials using quantitative CE with UV and QTOF-MS detection. Electrophoresis, 2013, 34, 944-949.	2.4	3
78	The plant hopperIssus coleoptratuscan detoxify phloem sap saponins including the degradation of the terpene core. Biology Open, 2016, 5, 252-255.	1.2	3
79	Nonaqueous Capillary Electrophoresis Mass Spectrometry. Methods in Molecular Biology, 2016, 1483, 111-130.	0.9	3
80	Trace level determination of Î”9â€tetrahydrocannabinol in a perfume using liquid chromatography high resolution tandem mass spectrometry and gas chromatography mass spectrometry. Flavour and Fragrance Journal, 2017, 32, 46-53.	2.6	3
81	Analysis of polycyclic aromatic hydrocarbons migrating from polystyrene/divinylbenzene-based food contact materials. Monatshefte FÃ¼r Chemie, 2019, 150, 901-906.	1.8	3
82	Analytical Approaches for the Determination and Identification of Drug Metabolites in Plants After Uptake. Handbook of Environmental Chemistry, 2020, , 493.	0.4	3
83	Synthesis and Investigation ofN,Nâ€™-benzylated Epindolidione Derivatives as Organic Semiconductors. ChemistrySelect, 2016, 1, 6349-6355.	1.5	2
84	<scp>Postâ€polymerization</scp> modification of aromatic polyimides via Dielsâ€Alder cycloaddition. Journal of Polymer Science, 2021, 59, 3161-3166.	3.8	1
85	Sheath Liquids in CE-MS: Role, Parameters, and Optimization. , 0, , 41-65.		0
86	Front cover: In Vitro and In Vivo Inhibition of Intestinal Glucose Transport by Guava (Psidium Guajava) Extracts. Molecular Nutrition and Food Research, 2018, 62, 1870068.	3.3	0
87	Quantitation of Mi-saponin A in adulterated Quillaja and contaminated Gypsophila saponin extracts by high performance liquid chromatography/quadrupole time-of-flight mass spectrometry. Phytochemistry Letters, 2021, 45, 77-81.	1.2	0