

# Christian W Klampfl

## List of Publications by Year in descending order

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96  
papers

2,887  
citations

136950

32  
h-index

189892

50  
g-index

102  
all docs

102  
docs citations

102  
times ranked

2489  
citing authors

#	ARTICLE	IF	CITATIONS
1	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-drift-tube ion-mobility quadrupole time-of-flight mass spectrometry. <i>Electrophoresis</i> , 2021, 42, 482-489.	2.4	11
2	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
3	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
4	Analysis and fate of the hindered amine light stabilizer Tinuvin 622 in polyester powder coatings using high performance liquid chromatography / time of flight mass spectrometry. <i>Polymer Testing</i> , 2020, 90, 106677.	4.8	3
5	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
6	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
7	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
8	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
9	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
10	Collision cross sections obtained with ion mobility mass spectrometry as new descriptor to predict blood-brain barrier permeation by drugs. <i>Scientific Reports</i> , 2019, 9, 19182.	3.3	16
11	Metabolization of pharmaceuticals by plants after uptake from water and soil: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 111, 13-26.	11.4	42
12	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
13	Insights into the uptake, metabolization, and translocation of four non-steroidal anti-inflammatory drugs in cress ( <i>Lepidium sativum</i> ) by HPLC-MS. <i>Electrophoresis</i> , 2018, 39, 1294-1300.	2.4	22
14	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
15	Determination of Antioxidants and Corresponding Degradation Products in Fresh and Used Engine Oils. <i>Energy &amp; Fuels</i> , 2016, 30, 7638-7645.	5.1	11
16	Advances in the determination of hindered amine light stabilizers A review. <i>Analytica Chimica Acta</i> , 2016, 933, 10-22.	5.4	24
17	Nonaqueous Capillary Electrophoresis Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2016, 1483, 111-130.	0.9	3
18	Analysis of saccharides in beverages by HPLC with direct UV detection. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1871-1878.	3.7	21

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19	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
20	Direct ionization methods in mass spectrometry: An overview. <i>Analytica Chimica Acta</i> , 2015, 890, 44-59.	5.4	101
21	Using sheath liquid reagents for capillary electrophoresis-mass spectrometry: Application to the analysis of phenolic plant extracts. <i>Electrophoresis</i> , 2015, 36, 348-354.	2.4	10
22	DIRECT ANALYSIS IN REAL TIME/TIME-OF-FLIGHT MASS SPECTROMETRY: INVESTIGATIONS ON PARAMETERS FOR THE COUPLING WITH LIQUID-PHASE SAMPLE INTRODUCTION TECHNIQUES. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2014, 37, 1862-1872.	1.0	3
23	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
24	Addition of reagents to the sheath liquid: A novel concept in capillary electrophoresis-mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1343, 182-187.	3.7	18
25	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
26	High-throughput quantification of stabilizers in polymeric materials by flow injection tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 939-947.	1.5	5
27	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
28	Fast screening of stabilizers in polymeric materials by flow injection-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6879-6884.	3.7	10
29	Miniaturised method for the quantitation of stabilisers in microtome cuts of polymer materials by HPLC with UV, MS or MS2 detection. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3177-3184.	3.7	9
30	Mass spectrometry as a useful tool for the analysis of stabilizers in polymer materials. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 50, 53-64.	11.4	20
31	Identification of polyimide materials using quantitative CE with UV and QTOF-MS detection. <i>Electrophoresis</i> , 2013, 34, 944-949.	2.4	3
32	Foreword. <i>Journal of Chromatography A</i> , 2012, 1267, 1.	3.7	0
33	Capillary Electrophoresis/Liquid Chromatography-Mass Spectrometry 2012. <i>Electrophoresis</i> , 2012, 33, 545-545.	2.4	2
34	Identification and semi-quantitative analysis of parabens and UV filters in cosmetic products by direct-analysis-in-real-time mass spectrometry and gas chromatography with mass spectrometric detection. <i>Analytical Methods</i> , 2011, 3, 99-104.	2.7	34
35	Rapid identification and semi-quantitative determination of polymer additives by desorption electrospray ionization/time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2317-2322.	3.7	27
36	Improved SEC-FTIR method for the characterization of multimodal high-density polyethylenes. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2607-2613.	3.7	22

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37	High-performance liquid chromatography coupled to direct analysis in real time mass spectrometry: Investigations on gradient elution and influence of complex matrices on signal intensities. <i>Journal of Chromatography A</i> , 2011, 1218, 5180-5186.	3.7	37
38	Analysis of Simple Carbohydrates by Capillary Electrophoresis and Capillary Electrophoresisâ€“Mass Spectrometry. , 2011, , 1-21.		9
39	Recent Advances in the Use of Capillary Electrophoresis Coupled to High-Resolution Mass Spectrometry for the Analysis of Small Molecules. <i>Current Analytical Chemistry</i> , 2010, 6, 118-125.	1.2	23
40	Investigations on the Influence of Interface-Geometry in CE-ESI-TOF-MS. <i>Chromatographia</i> , 2010, 71, 715-719.	1.3	10
41	Determination of organic UV filters in water by stir bar sorptive extraction and direct analysis in real-time mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 269-275.	3.7	76
42	Investigations on the migration behavior of insulin and related synthetic analogues in CZE, MEKC and MEEKC employing different surfactants. <i>Electrophoresis</i> , 2010, 31, 1560-1564.	2.4	12
43	Investigations on the Coupling of High-Performance Liquid Chromatography to Direct Analysis in Real Time Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 5792-5796.	6.5	63
44	Rapid identification of stabilisers in polypropylene using time-of-flight mass spectrometry and DART as ion source. <i>Analyst</i> , The, 2010, 135, 80-85.	3.5	48
45	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
46	CE with MS detection: A rapidly developing hyphenated technique. <i>Electrophoresis</i> , 2009, 30, S83-91.	2.4	86
47	Improved analysis of melamineâ€“formaldehyde resins by capillary zone electrophoresisâ€“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
48	Investigations on the migration behaviour of purines and pyrimidines in capillary electromigration techniques with UV detection and mass spectrometric detection. <i>Journal of Chromatography A</i> , 2008, 1213, 88-92.	3.7	33
49	Microemulsion Electrokinetic Chromatography with On-Line Atmospheric Pressure Photoionization Mass Spectrometric Detection. <i>Analytical Chemistry</i> , 2007, 79, 1564-1568.	6.5	43
50	Development of a Simple Instrumental Setup for the Separation of Benzoic Acids by Comprehensive Liquid Chromatography with Microbore Columns and Monolithic Columns. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007, 31, 169-178.	1.0	4
51	Determination of organic acids by CE and CEC methods. <i>Electrophoresis</i> , 2007, 28, 3362-3378.	2.4	38
52	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
53	Coupling of capillary electroseparation techniques with mass spectrometric detection. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 533-536.	3.7	22
54	Pragmatic Studies on Protein-Resistant Self-Assembled Monolayers. <i>Monatshefte FÃ¼r Chemie</i> , 2007, 138, 245-252.	1.8	7

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55	9,12-Dibenzothiazolylhypericin and 10,11-Dibenzothiazolyl-10,11-didemethylhypericin: Photochemical Properties of Hypericin Derivatives Depending on the Substitution Site.. ChemInform, 2006, 37, no.	0.0	0
56	Recent advances in the application of capillary electrophoresis with mass spectrometric detection. Electrophoresis, 2006, 27, 3-34.	2.4	120
57	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
58	Utilisation of crown ethers in microemulsion electrokinetic chromatography for the separation of inorganic cations. Journal of Chromatography A, 2005, 1085, 164-169.	3.7	9
59	Analysis of melamine resins by capillary zone electrophoresis with electrospray ionization-mass spectrometric detection. Electrophoresis, 2005, 26, 1576-1583.	2.4	129
60	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
61	Inducing Geometrical Changes of Biliverdin Chromophores by 23N-Methylation. Monatshefte für Chemie, 2005, 136, 755-761.	1.8	4
62	Syntheses and Properties of Two Heterocyclically Substituted Hypericin Derivatives: 10,11-Dibenzothiazolyl-10,11-didemethylhypericin and 10,11-Dibenzoxazolyl-10,11-didemethylhypericin. Monatshefte für Chemie, 2005, 136, 777-793.	1.8	10
63	9,12-Dibenzothiazolylhypericin and 10,11-Dibenzothiazolyl-10,11-didemethylhypericin: Photochemical Properties of Hypericin Derivatives Depending on the Substitution Site. Monatshefte für Chemie, 2005, 136, 1791-1797.	1.8	6
64	Determination of Underivatized Amino Acids by Capillary Electrophoresis and Capillary Electrochromatography. Journal of Chromatography Library, 2005, , 269-296.	0.1	3
65	Determination of Underivatized Amines by Capillary Electrophoresis and Capillary Electrochromatography. Journal of Chromatography Library, 2005, , 525-558.	0.1	1
66	Determination of the Insect Repellent Bayrepel in Pool and Lake Water by Gas Chromatography after Preconcentration with Solid-Phase Extraction and Stir-Bar-Sorptive Extraction. Mikrochimica Acta, 2004, 148, 151-156.	5.0	16
67	Review coupling of capillary electrochromatography to mass spectrometry. Journal of Chromatography A, 2004, 1044, 131-144.	3.7	107
68	Solvent effects in microemulsion electrokinetic chromatography. Electrophoresis, 2003, 24, 1537-1543.	2.4	83
69	Quantitative determination of UV filters in sunscreen lotions using microemulsion electrokinetic chromatography. Journal of Separation Science, 2003, 26, 1259-1262.	2.5	29
70	Heterobifunctional crosslinkers for tethering single ligand molecules to scanning probes. Analytica Chimica Acta, 2003, 497, 101-114.	5.4	82
71	Simple test system for single molecule recognition force microscopy. Analytica Chimica Acta, 2003, 479, 59-75.	5.4	192
72	Comparison of Capillary Zone Electrophoretic Techniques Combined with Indirect UV, Direct UV, and Mass Spectrometric Detection for the Determination of Underivatized Amino Acids and Vitamin B6 in Infusion Solutions. Journal of Liquid Chromatography and Related Technologies, 2003, 26, 2783-2795.	1.0	5

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73	Comparison of aqueous and nonaqueous carrier electrolytes for the separation of penicillin V and related substances by capillary electrophoresis with UV and mass spectrometric detection. <i>Electrophoresis</i> , 2002, 23, 414.	2.4	33
74	Development and optimization of an analytical method for the determination of UV filters in suntan lotions based on microemulsion electrokinetic chromatography. <i>Electrophoresis</i> , 2002, 23, 2424-2429.	2.4	32
75	Determination of purines and pyrimidines in beer samples by capillary zone electrophoresis. <i>Analytica Chimica Acta</i> , 2002, 454, 185-191.	5.4	44
76	Determination of free amino acids in infant food by capillary zone electrophoresis with mass spectrometric detection. <i>Electrophoresis</i> , 2001, 22, 1579-1584.	2.4	39
77	Determination of carbohydrates by capillary electrophoresis with electrospray-mass spectrometric detection. <i>Electrophoresis</i> , 2001, 22, 2737-2742.	2.4	61
78	Fast separation of pyrimidine derivatives by capillary electrochromatography on ion-exchange/reversed-phase mixed-mode stationary phases. <i>Journal of Chromatography A</i> , 2001, 911, 277-283.	3.7	14
79	Separation of hydrophobic polymer additives by microemulsion electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2001, 922, 293-302.	3.7	47
80	Determination of organic acids in food samples by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2000, 881, 357-364.	3.7	80
81	Investigations on the behaviour of acidic, basic and neutral compounds in capillary electrochromatography on a mixed-mode stationary phase. <i>Journal of Chromatography A</i> , 2000, 888, 267-274.	3.7	27
82	Behavior of basic compounds in ion-exchange capillary electrochromatography with low-pH carrier electrolytes. <i>Journal of Chromatography A</i> , 2000, 884, 277-285.	3.7	26
83	Electro-osmotic and pressure-driven flow properties of frits for packed column capillary electrochromatography prepared from functionalised and bare silica packings. <i>Analyst</i> , 2000, 125, 1-4.	3.5	27
84	Optimization of conductivity detection of low-molecular-mass anions in capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1999, 850, 355-362.	3.7	33
85	A Fast and Reliable Method for the Determination of Anionic Impurities and Neutralization Agents in Electrodeposits Using Capillary Zone Electrophoresis with Conductivity Detection. <i>Journal of High Resolution Chromatography</i> , 1999, 22, 297-299.	1.4	5
86	Analysis of Organic Acids and Inorganic Anions in Different Types of Beer Using Capillary Zone Electrophoresis. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 987-990.	5.2	47
87	Determination of low-molecular-mass ionic compounds in electrodeposition coatings by capillary electrophoresis with conductivity detection. <i>Journal of Chromatography A</i> , 1998, 804, 357-362.	3.7	20
88	Determination of low-molecular-mass anionic compounds in beverage samples using capillary zone electrophoresis with simultaneous indirect ultraviolet and conductivity detection. <i>Journal of Chromatography A</i> , 1998, 822, 117-123.	3.7	42
89	Determination of underivatized amino acids in beverage samples by capillary electrophoresis. <i>Journal of Chromatography A</i> , 1998, 804, 349-355.	3.7	48
90	Separation of inorganic and organic anions by capillary zone electrophoresis with simultaneous indirect UV and conductivity detection. <i>Electrophoresis</i> , 1998, 19, 2459-2464.	2.4	35

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91	Investigations on the Chromatographic Behavior of Carboxylic Acids on Silica-Based Cation Exchangers. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1998, 21, 2069-2079.	1.0	3
92	Determination of fermenting acids in silage by capillary electrophoresis. <i>Journal of Chromatography A</i> , 1997, 766, 197-203.	3.7	22
93	Determination of low-molecular-mass organic acids by capillary zone electrophoresis. <i>TrAC - Trends in Analytical Chemistry</i> , 1997, 16, 221-229.	11.4	32
94	Retention behavior of carboxylic acids on highly cross-linked poly(styrene-divinylbenzene)-based and silica-based cation exchangers. <i>Journal of Chromatography A</i> , 1997, 770, 23-28.	3.7	24
95	Separation of priority pollutant phenols on chemically modified poly(styrene-divinylbenzene) resins by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1995, 715, 213-218.	3.7	25
96	Sheath Liquids in CE-MS: Role, Parameters, and Optimization. , 0, , 41-65.		0