

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	Simple test system for single molecule recognition force microscopy. <i>Analytica Chimica Acta</i> , 2003, 479, 59-75.	5.4	192
2	Analysis of melamine resins by capillary zone electrophoresis with electrospray ionization-mass spectrometric detection. <i>Electrophoresis</i> , 2005, 26, 1576-1583.	2.4	129
3	Recent advances in the application of capillary electrophoresis with mass spectrometric detection. <i>Electrophoresis</i> , 2006, 27, 3-34.	2.4	120
4	Review coupling of capillary electrochromatography to mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1044, 131-144.	3.7	107
5	Direct ionization methods in mass spectrometry: An overview. <i>Analytica Chimica Acta</i> , 2015, 890, 44-59.	5.4	101
6	CE with MS detection: A rapidly developing hyphenated technique. <i>Electrophoresis</i> , 2009, 30, S83-91.	2.4	86
7	Solvent effects in microemulsion electrokinetic chromatography. <i>Electrophoresis</i> , 2003, 24, 1537-1543.	2.4	83
8	Heterobifunctional crosslinkers for tethering single ligand molecules to scanning probes. <i>Analytica Chimica Acta</i> , 2003, 497, 101-114.	5.4	82
9	Determination of organic acids in food samples by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2000, 881, 357-364.	3.7	80
10	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
11	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
12	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
13	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
14	Determination of carbohydrates by capillary electrophoresis with electrospray-mass spectrometric detection. <i>Electrophoresis</i> , 2001, 22, 2737-2742.	2.4	61
15	Determination of underivatized amino acids in beverage samples by capillary electrophoresis. <i>Journal of Chromatography A</i> , 1998, 804, 349-355.	3.7	48
16	Rapid identification of stabilisers in polypropylene using time-of-flight mass spectrometry and DART as ion source. <i>Analyst</i> , 2010, 135, 80-85.	3.5	48
17	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
18	Separation of hydrophobic polymer additives by microemulsion electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2001, 922, 293-302.	3.7	47

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19	Determination of purines and pyrimidines in beer samples by capillary zone electrophoresis. <i>Analytica Chimica Acta</i> , 2002, 454, 185-191.	5.4	44
20	Microemulsion Electrokinetic Chromatography with On-Line Atmospheric Pressure Photoionization Mass Spectrometric Detection. <i>Analytical Chemistry</i> , 2007, 79, 1564-1568.	6.5	43
21	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
22	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
23	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
24	Determination of organic acids by CE and CEC methods. <i>Electrophoresis</i> , 2007, 28, 3362-3378.	2.4	38
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	Quantitative determination of UV filters in sunscreen lotions using microemulsion electrokinetic chromatography. <i>Journal of Separation Science</i> , 2003, 26, 1259-1262.	2.5	29

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	Advances in the determination of hindered amine light stabilizers - A review. <i>Analytica Chimica Acta</i> , 2016, 933, 10-22.	5.4	24
46	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
47	Determination of fermenting acids in silage by capillary electrophoresis. <i>Journal of Chromatography A</i> , 1997, 766, 197-203.	3.7	22
48	Coupling of capillary electroseparation techniques with mass spectrometric detection. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 533-536.	3.7	22
49	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
50	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
51	Analysis of saccharides in beverages by HPLC with direct UV detection. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1871-1878.	3.7	21
52	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
53	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
54	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

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55	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
56	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
57	Determination of the Insect Repellent Bayrepelil;½ in Pool and Lake Water by Gas Chromatography after Preconcentration with Solid-Phase Extraction and Stir-Bar-Sorptive Extraction. <i>Mikrochimica Acta</i> , 2004, 148, 151-156.	5.0	16
58	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
59	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
60	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
61	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
62	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
63	Determination of Antioxidants and Corresponding Degradation Products in Fresh and Used Engine Oils. <i>Energy & Fuels</i> , 2016, 30, 7638-7645.	5.1	11
64	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
65	Syntheses and Properties of Two Heterocyclically Substituted Hypericin Derivatives: 10,11-Dibenzothiazolyl-10,11-didemethylhypericin and 10,11-Dibenzoxazolyl-10,11-didemethylhypericin. <i>Monatshefte für Chemie</i> , 2005, 136, 777-793.	1.8	10
66	Investigations on the Influence of Interface-Geometry in CE-ESI-TOF-MS. <i>Chromatographia</i> , 2010, 71, 715-719.	1.3	10
67	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
68	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
69	Utilisation of crown ethers in microemulsion electrokinetic chromatography for the separation of inorganic cations. <i>Journal of Chromatography A</i> , 2005, 1085, 164-169.	3.7	9
70	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
71	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
72	Analysis of Simple Carbohydrates by Capillary Electrophoresis and Capillary Electrophoresis-Mass Spectrometry. , 2011, , 1-21.		9

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73	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
74	Pragmatic Studies on Protein-Resistant Self-Assembled Monolayers. <i>Monatshefte für Chemie</i> , 2007, 138, 245-252.	1.8	7
75	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
76	9,12-Dibenzothiazolylhypericin and 10,11-Dibenzothiazolyl-10,11-didemethylhypericin: Photochemical Properties of Hypericin Derivatives Depending on the Substitution Site. <i>Monatshefte für Chemie</i> , 2005, 136, 1791-1797.	1.8	6
77	A Fast and Reliable Method for the Determination of Anionic Impurities and Neutralization Agents in Electrodiodes Using Capillary Zone Electrophoresis with Conductivity Detection. <i>Journal of High Resolution Chromatography</i> , 1999, 22, 297-299.	1.4	5
78	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. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2003, 26, 2783-2795.	1.0	5
79	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
80	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
81	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
82	Inducing Geometrical Changes of Biliverdin Chromophores by 23N-Methylation. <i>Monatshefte für Chemie</i> , 2005, 136, 755-761.	1.8	4
83	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
84	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
85	Determination of Underivatized Amino Acids by Capillary Electrophoresis and Capillary Electrochromatography. <i>Journal of Chromatography Library</i> , 2005, , 269-296.	0.1	3
86	Identification of polyimide materials using quantitative CE with UV and QTOF-MS detection. <i>Electrophoresis</i> , 2013, 34, 944-949.	2.4	3
87	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
88	Nonaqueous Capillary Electrophoresis Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2016, 1483, 111-130.	0.9	3
89	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
90	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

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91	Analytical Approaches for the Determination and Identification of Drug Metabolites in Plants After Uptake. Handbook of Environmental Chemistry, 2020, , 493.	0.4	3
92	Capillary Electrophoresis/Liquid Chromatography-Mass Spectrometry 2012. Electrophoresis, 2012, 33, 545-545.	2.4	2
93	Determination of Underivatized Amines by Capillary Electrophoresis and Capillary Electrochromatography. Journal of Chromatography Library, 2005, , 525-558.	0.1	1
94	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
95	Foreword. Journal of Chromatography A, 2012, 1267, 1.	3.7	0
96	Sheath Liquids in CE-MS: Role, Parameters, and Optimization. , 0, , 41-65.		0