Maik A Jochmann

List of Publications by Year
in descending order

80	2,216	218677	243625
papers	citations	26 h-index	44 g-index

82	82	82	2061
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Current challenges in compound-specific stable isotope analysis of environmental organic contaminants. Analytical and Bioanalytical Chemistry, 2012, 403, 2471-2491.	3.7	234
2	Compound-Specific Chlorine Isotope Analysis: A Comparison of Gas Chromatography/Isotope Ratio Mass Spectrometry and Gas Chromatography/Quadrupole Mass Spectrometry Methods in an Interlaboratory Study. Analytical Chemistry, 2011, 83, 7624-7634.	6.5	101
3	A new approach to determine method detection limits for compound-specific isotope analysis of volatile organic compounds. Rapid Communications in Mass Spectrometry, 2006, 20, 3639-3648.	1.5	96
4	PAL SPME Arrowâ€"evaluation of a novel solid-phase microextraction device for freely dissolved PAHs in water. Analytical and Bioanalytical Chemistry, 2016, 408, 943-952.	3.7	96
5	Cigarette butts: An overlooked source of PAHs in the environment?. Environmental Pollution, 2019, 249, 932-939.	7.5	86
6	Polycyclic aromatic hydrocarbons (PAHs) leachates from cigarette butts into water. Environmental Pollution, 2020, 259, 113916.	7.5	81
7	Solid-phase dynamic extraction for the enrichment of polar volatile organic compounds from water. Journal of Chromatography A, 2006, 1115, 208-216.	3.7	74
8	In-Tube Extraction of Volatile Organic Compounds from Aqueous Samples: An Economical Alternative to Purge and Trap Enrichment. Analytical Chemistry, 2010, 82, 7641-7648.	6.5	68
9	Pitfalls in compound-specific isotope analysis of environmental samples. Analytical and Bioanalytical Chemistry, 2008, 390, 591-603.	3.7	66
10	In-tube extraction for enrichment of volatile organic hydrocarbons from aqueous samples. Journal of Chromatography A, 2008, 1179, 96-105.	3.7	65
11	Origin and Fate of Organic Compounds in Water: Characterization by Compound-Specific Stable Isotope Analysis. Annual Review of Analytical Chemistry, 2012, 5, 133-155.	5.4	62
12	Degradation of sulfamethoxazole using ozone and chlorine dioxide - Compound-specific stable isotope analysis, transformation product analysis and mechanistic aspects. Water Research, 2017, 122, 280-289.	11.3	62
13	Caffeine in Your Drink: Natural or Synthetic?. Analytical Chemistry, 2012, 84, 2805-2810.	6.5	60
14	Solventless microextraction techniques for water analysis. TrAC - Trends in Analytical Chemistry, 2019, 113, 321-331.	11.4	57
15	A metagenomic-based survey of microbial (de)halogenation potential in a German forest soil. Scientific Reports, 2016, 6, 28958.	3.3	51
16	Determination of volatile organic hydrocarbons in water samples by solid-phase dynamic extraction. Analytical and Bioanalytical Chemistry, 2007, 387, 2163-2174.	3.7	50
17	Direct Photolysis of Sulfamethoxazole Using Various Irradiation Sources and Wavelength Rangesâ€"Insights from Degradation Product Analysis and Compound-Specific Stable Isotope Analysis. Environmental Science & Technology, 2018, 52, 1225-1233.	10.0	42
18	Determining the role of redox-active materials during laser-induced water decomposition. Physical Chemistry Chemical Physics, 2019, 21, 18636-18651.	2.8	41

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19	BTEX compounds leachates from cigarette butts into water environment: A primary study. Environmental Pollution, 2021, 269, 116185.	7.5	41
20	Systematic comparison of static and dynamic headspace sampling techniques for gas chromatography. Analytical and Bioanalytical Chemistry, 2016, 408, 6567-6579.	3.7	37
21	Understanding trophic interactions in host-parasite associations using stable isotopes of carbon and nitrogen. Parasites and Vectors, 2017, 10, 90.	2.5	35
22	Solvent-free microextraction techniques in gas chromatography. Analytical and Bioanalytical Chemistry, 2012, 402, 565-571.	3.7	34
23	When Other Separation Techniques Fail: Compound-Specific Carbon Isotope Ratio Analysis of Sulfonamide Containing Pharmaceuticals by High-Temperature-Liquid Chromatography-Isotope Ratio Mass Spectrometry. Analytical Chemistry, 2012, 84, 7656-7663.	6.5	33
24	Highâ€temperature reversedâ€phase liquid chromatography coupled to isotope ratio mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 2971-2980.	1.5	29
25	Evaluating the influence of wastewater composition on the growth of Microthrix parvicella by GCxGC/qMS and real-time PCR. Water Research, 2016, 88, 510-523.	11.3	29
26	Aromatic amines contents of cigarette butts: Fresh and aged cigarette butts vs unsmoked cigarette. Chemosphere, 2022, 301, 134735.	8.2	27
27	Indications for pedogenic formation of perylene in a terrestrial soil profile: Depth distribution and first results from stable carbon isotope ratios. Applied Geochemistry, 2007, 22, 2652-2663.	3.0	26
28	Carbon isotope ratio measurements of glyphosate and AMPA by liquid chromatography coupled to isotope ratio mass spectrometry. Analytical and Bioanalytical Chemistry, 2013, 405, 2869-2878.	3.7	26
29	Dual element (15N/14N, 13C/12C) isotope analysis of glyphosate and AMPA by derivatization-gas chromatography isotope ratio mass spectrometry (GC/IRMS) combined with LC/IRMS. Analytical and Bioanalytical Chemistry, 2015, 407, 5249-5260.	3.7	26
30	River restoration and the trophic structure of benthic invertebrate communities across 16 European restoration projects. Hydrobiologia, 2016, 769, 105-120.	2.0	26
31	Microwave-assisted nonionic surfactant extraction of aliphatic hydrocarbons from petroleum source rock. Analytica Chimica Acta, 2011, 691, 48-55.	5.4	22
32	Multi-walled carbon nanotubes as sorptive material for solventless in-tube microextraction (ITEX2)â€"a factorial design study. Analytical and Bioanalytical Chemistry, 2013, 405, 8387-8395.	3.7	22
33	Optimization strategies of in-tube extraction (ITEX) methods. Analytical and Bioanalytical Chemistry, 2015, 407, 6827-6838.	3.7	22
34	Automated determination of picogram-per-liter level of water taste and odor compounds using solid-phase microextraction arrow coupled with gas chromatography-mass spectrometry. Analytical and Bioanalytical Chemistry, 2019, 411, 2653-2662.	3.7	21
35	You are how you eat: differences in trophic position of two parasite species infecting a single host according to stable isotopes. Parasitology Research, 2020, 119, 1393-1400.	1.6	20
36	Development and comparison of direct immersion solid phase micro extraction Arrow-GC-MS for the determination of selected pesticides in water. Microchemical Journal, 2021, 164, 106006.	4.5	18

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37	In-Tube Extraction-GC-MS as a High-Capacity Enrichment Technique for the Analysis of Alcoholic Beverages. Journal of Agricultural and Food Chemistry, 2014, 62, 3081-3091.	5.2	16
38	Investigation of carbon-based nanomaterials as sorbents for headspace in-tube extraction of polycyclic aromatic hydrocarbons. Analytical and Bioanalytical Chemistry, 2017, 409, 3861-3870.	3.7	16
39	Monitoring Microbial Mineralization Using Reverse Stable Isotope Labeling Analysis by Mid-Infrared Laser Spectroscopy. Environmental Science & Technology, 2017, 51, 11876-11883.	10.0	16
40	Flow Injection Analysisâ^'Isotope Ratio Mass Spectrometry for Bulk Carbon Stable Isotope Analysis of Alcoholic Beverages. Journal of Agricultural and Food Chemistry, 2009, 57, 10489-10496.	5.2	14
41	Stable carbon and hydrogen isotope analysis of methyl tert-butyl ether and tert-amyl methyl ether by purge and trap-gas chromatography-isotope ratio mass spectrometry: Method evaluation and application. Journal of Environmental Monitoring, 2010, 12, 347-354.	2.1	14
42	Carbon Isotope Ratio Analysis of Steroids by High-Temperature Liquid Chromatography-Isotope Ratio Mass Spectrometry. Analytical Chemistry, 2014, 86, 2297-2302.	6.5	14
43	Carbon Isotope Fractionation of Substituted Benzene Analogs during Oxidation with Ozone and Hydroxyl Radicals: How Should Experimental Data Be Interpreted?. Environmental Science & Technology, 2020, 54, 6713-6722.	10.0	12
44	Fingerprinting of red wine by headspace solid-phase dynamic extraction of volatile constituents. Analytical and Bioanalytical Chemistry, 2012, 403, 2429-2436.	3.7	11
45	Ionic Liquid as Green Solvent for Leaching of Polycyclic Aromatic Hydrocarbons from Petroleum Source Rock. Industrial & Engineering Chemistry Research, 2015, 54, 12960-12965.	3.7	11
46	Origin of Xylitol in Chewing Gum: A Compound-Specific Isotope Technique for the Differentiation of Corn- and Wood-Based Xylitol by LC-IRMS. Journal of Agricultural and Food Chemistry, 2018, 66, 2015-2020.	5.2	11
47	Stable carbon isotope analysis of polyphosphonate complexing agents by anion chromatography coupled to isotope ratio mass spectrometry: method development and application. Analytical and Bioanalytical Chemistry, 2020, 412, 4827-4835.	3.7	11
48	Determination of volatile organic compounds by solid-phase microextractionâ€"gas chromatography-differential mobility spectrometry. International Journal for Ion Mobility Spectrometry, 2009, 12, 123-130.	1.4	10
49	Position-specific isotope analysis of the methyl group carbon in methylcobalamin for the investigation of biomethylation processes. Analytical and Bioanalytical Chemistry, 2013, 405, 2833-2841.	3.7	10
50	Optimization of a largeâ€volume injection method for compoundâ€specific isotope analysis of polycyclic aromatic compounds at trace concentrations. Rapid Communications in Mass Spectrometry, 2015, 29, 2349-2360.	1.5	10
51	Characterization of methane oxidation in a simulated landfill cover system by comparing molecular and stable isotope mass balances. Waste Management, 2017, 69, 281-288.	7.4	10
52	Optimization and validation of automated solid-phase microextraction arrow technique for determination of phosphorus flame retardants in water. Journal of Chromatography A, 2020, 1626, 461349.	3.7	10
53	Eye fluke infection changes diet composition in juvenile European perch (Perca fluviatilis). Scientific Reports, 2021, 11, 3440.	3.3	10
54	Monitoring of the total carbon and nitrogen balance during the mineralization of nitrogen containing compounds by heat activated persulfate. Chemical Engineering Journal, 2019, 367, 160-168.	12.7	9

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55	How to Couple LC-IRMS with HRMSâ”€A Proof-of-Concept Study. Analytical Chemistry, 2022, 94, 2981-2987.	6.5	9
56	Factors Controlling Leaching of Polycyclic Aromatic Hydrocarbons from Petroleum Source Rock Using Nonionic Surfactant. Chromatographia, 2012, 75, 213-221.	1.3	8
57	An overview of approaches in liquid chromatography flame ionization detection. TrAC - Trends in Analytical Chemistry, 2019, 110, 143-149.	11.4	8
58	Stable isotope analysis spills the beans about spatial variance in trophic structure in a fish host â€“ parasite system from the Vaal River System, South Africa. International Journal for Parasitology: Parasites and Wildlife, 2020, 12, 134-141.	1.5	8
59	Two Pathways Compete in the Mn(II)-Catalyzed Oxidation of Aminotrismethylene Phosphonate (ATMP). Environmental Science & Technology, 2022, 56, 4091-4100.	10.0	8
60	Determination of ¹³C/¹²C Isotopic Ratios of Biogenic Organometal(loid) Compounds in Complex Matrixes. Analytical Chemistry, 2009, 81, 4312-4319.	6.5	7
61	Sorbent material characterization using inâ€tube extraction needles as inverse gas chromatography column. Journal of Separation Science, 2017, 40, 2390-2397.	2.5	7
62	The monogeneanParadiplozoon ichthyoxanthonbehaves like a micropredator on two of its hosts, as indicated by stable isotopes. Journal of Helminthology, 2019, 93, 71-75.	1.0	7
63	Applying reverse stable isotope labeling analysis by mid-infrared laser spectroscopy to monitor BDOC in recycled wastewater. Science of the Total Environment, 2019, 665, 1064-1072.	8.0	7
64	Microwave-Assisted Ionic Liquid Extraction of n-Alkanes and Isoprenoid Hydrocarbons from Petroleum Source Rock. Chromatographia, 2015, 78, 1201-1209.	1.3	6
65	Linking reaction rate constants and isotope fractionation of ozonation reactions using phenols as probes. Water Research, 2022, 210, 117931.	11.3	6
66	Optimization and automation of rapid and selective analysis of fatty acid methyl esters from aqueous samples by headspace SPME arrow extraction followed by GCâ€“MS/MS analysis. Analytical and Bioanalytical Chemistry, 2022, 414, 6473-6483.	3.7	6
67	New Concepts for the Determination of Oxidation Efficiencies in Liquid Chromatographyâ€“Isotope Ratio Mass Spectrometry. Analytical Chemistry, 2019, 91, 5067-5073.	6.5	4
68	Solvent-Free Extraction and Injection Techniques. , 2014, , 371-412.		4
69	Insights into amino acid fractionation and incorporation by compound-specific carbon isotope analysis of three-spined sticklebacks. Scientific Reports, 2022, 12, .	3.3	4
70	Coreâ€Shell Hybrid Particles by Alternating Copolymerization of Ionic Liquid Monomers from Silica as Sorbent for Solid Phase Microextraction. Macromolecular Materials and Engineering, 2015, 300, 1049-1056.	3.6	3
71	A green approach for the extraction of diamondoids from petroleum source rock. Analytica Chimica Acta, 2019, 1091, 23-29.	5.4	2
72	Determination of liquid chromatography/flame ionization detection response factors for alcohols, ketones, and sugars. Analytical and Bioanalytical Chemistry, 2019, 411, 2635-2644.	3.7	2

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73	A nebulizer interface for liquid chromatography - Flame ionization detection: Development and validation. Talanta, 2020, 206, 120229.	5.5	2
74	In-tube dynamic extraction for analysis of volatile organic compounds in honey samples. Food Chemistry: X, 2022, 14, 100337.	4.3	2
75	Carbon Isotopic Fractionation via Diffusion in a Coarse Material. Geochemistry, Geophysics, Geosystems, 2018, 19, 3246-3253.	2.5	1
76	A centrifuge tube reactor for the determination of bacterial methane oxidation enrichment factors without influence of diffusion related isotope fractionation. Science of the Total Environment, 2019, 659, 1382-1386.	8.0	1
77	Novel Analytical Methods for the Determination of Fuel Oxygenates in Water. Handbook of Environmental Chemistry, 2007, , 1-30.	0.4	1
78	Isotopenanalyse â€“ ein neues Werkzeug in der Umweltanalytik. Nachrichten Aus Der Chemie, 2007, 55, 536-539.	0.0	0
79	Determination of liquid chromatography/flame ionization detection response factors for N-heterocycles, carboxylic acids, halogenated compounds, and others. Analytical and Bioanalytical Chemistry, 2020, 412, 171-179.	3.7	0
80	Novel Analytical Methods for the Determination of Fuel Oxygenates in Water. , 0, , 1-30.		0