

# Maik A Jochmann

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

2,216  
citations

218381

26  
h-index

243296

44  
g-index

82  
all docs

82  
docs citations

82  
times ranked

2061  
citing authors

#	ARTICLE	IF	CITATIONS
1	Current challenges in compound-specific stable isotope analysis of environmental organic contaminants. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2471-2491.	1.9	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. <i>Analytical Chemistry</i> , 2011, 83, 7624-7634.	3.2	101
3	A new approach to determine method detection limits for compound-specific isotope analysis of volatile organic compounds. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 3639-3648.	0.7	96
4	PAL SPME Arrow® evaluation of a novel solid-phase microextraction device for freely dissolved PAHs in water. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 943-952.	1.9	96
5	Cigarette butts: An overlooked source of PAHs in the environment?. <i>Environmental Pollution</i> , 2019, 249, 932-939.	3.7	86
6	Polycyclic aromatic hydrocarbons (PAHs) leachates from cigarette butts into water. <i>Environmental Pollution</i> , 2020, 259, 113916.	3.7	81
7	Solid-phase dynamic extraction for the enrichment of polar volatile organic compounds from water. <i>Journal of Chromatography A</i> , 2006, 1115, 208-216.	1.8	74
8	In-Tube Extraction of Volatile Organic Compounds from Aqueous Samples: An Economical Alternative to Purge and Trap Enrichment. <i>Analytical Chemistry</i> , 2010, 82, 7641-7648.	3.2	68
9	Pitfalls in compound-specific isotope analysis of environmental samples. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 591-603.	1.9	66
10	In-tube extraction for enrichment of volatile organic hydrocarbons from aqueous samples. <i>Journal of Chromatography A</i> , 2008, 1179, 96-105.	1.8	65
11	Origin and Fate of Organic Compounds in Water: Characterization by Compound-Specific Stable Isotope Analysis. <i>Annual Review of Analytical Chemistry</i> , 2012, 5, 133-155.	2.8	62
12	Degradation of sulfamethoxazole using ozone and chlorine dioxide - Compound-specific stable isotope analysis, transformation product analysis and mechanistic aspects. <i>Water Research</i> , 2017, 122, 280-289.	5.3	62
13	Caffeine in Your Drink: Natural or Synthetic?. <i>Analytical Chemistry</i> , 2012, 84, 2805-2810.	3.2	60
14	Solventless microextraction techniques for water analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 321-331.	5.8	57
15	A metagenomic-based survey of microbial (de)halogenation potential in a German forest soil. <i>Scientific Reports</i> , 2016, 6, 28958.	1.6	51
16	Determination of volatile organic hydrocarbons in water samples by solid-phase dynamic extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 2163-2174.	1.9	50
17	Direct Photolysis of Sulfamethoxazole Using Various Irradiation Sources and Wavelength Ranges® Insights from Degradation Product Analysis and Compound-Specific Stable Isotope Analysis. <i>Environmental Science &amp; Technology</i> , 2018, 52, 1225-1233.	4.6	42
18	Determining the role of redox-active materials during laser-induced water decomposition. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 18636-18651.	1.3	41

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19	BTEX compounds leachates from cigarette butts into water environment: A primary study. <i>Environmental Pollution</i> , 2021, 269, 116185.	3.7	41
20	Systematic comparison of static and dynamic headspace sampling techniques for gas chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6567-6579.	1.9	37
21	Understanding trophic interactions in host-parasite associations using stable isotopes of carbon and nitrogen. <i>Parasites and Vectors</i> , 2017, 10, 90.	1.0	35
22	Solvent-free microextraction techniques in gas chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 565-571.	1.9	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. <i>Analytical Chemistry</i> , 2012, 84, 7656-7663.	3.2	33
24	High-temperature reversed-phase liquid chromatography coupled to isotope ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2971-2980.	0.7	29
25	Evaluating the influence of wastewater composition on the growth of <i>Microthrix parvicella</i> by GCxGC/qMS and real-time PCR. <i>Water Research</i> , 2016, 88, 510-523.	5.3	29
26	Aromatic amines contents of cigarette butts: Fresh and aged cigarette butts vs unsmoked cigarette. <i>Chemosphere</i> , 2022, 301, 134735.	4.2	27
27	Indications for pedogenic formation of perylene in a terrestrial soil profile: Depth distribution and first results from stable carbon isotope ratios. <i>Applied Geochemistry</i> , 2007, 22, 2652-2663.	1.4	26
28	Carbon isotope ratio measurements of glyphosate and AMPA by liquid chromatography coupled to isotope ratio mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2869-2878.	1.9	26
29	Dual element ( $^{15}\text{N}/^{14}\text{N}$ , $^{13}\text{C}/^{12}\text{C}$ ) isotope analysis of glyphosate and AMPA by derivatization-gas chromatography isotope ratio mass spectrometry (GC/IRMS) combined with LC/IRMS. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5249-5260.	1.9	26
30	River restoration and the trophic structure of benthic invertebrate communities across 16 European restoration projects. <i>Hydrobiologia</i> , 2016, 769, 105-120.	1.0	26
31	Microwave-assisted nonionic surfactant extraction of aliphatic hydrocarbons from petroleum source rock. <i>Analytica Chimica Acta</i> , 2011, 691, 48-55.	2.6	22
32	Multi-walled carbon nanotubes as sorptive material for solventless in-tube microextraction (ITEX2) – a factorial design study. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8387-8395.	1.9	22
33	Optimization strategies of in-tube extraction (ITEX) methods. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6827-6838.	1.9	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. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2653-2662.	1.9	21
35	You are how you eat: differences in trophic position of two parasite species infecting a single host according to stable isotopes. <i>Parasitology Research</i> , 2020, 119, 1393-1400.	0.6	20
36	Development and comparison of direct immersion solid phase micro extraction Arrow-GC-MS for the determination of selected pesticides in water. <i>Microchemical Journal</i> , 2021, 164, 106006.	2.3	18

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37	In-Tube Extraction-GC-MS as a High-Capacity Enrichment Technique for the Analysis of Alcoholic Beverages. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 3081-3091.	2.4	16
38	Investigation of carbon-based nanomaterials as sorbents for headspace in-tube extraction of polycyclic aromatic hydrocarbons. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3861-3870.	1.9	16
39	Monitoring Microbial Mineralization Using Reverse Stable Isotope Labeling Analysis by Mid-Infrared Laser Spectroscopy. <i>Environmental Science &amp; Technology</i> , 2017, 51, 11876-11883.	4.6	16
40	Flow Injection Analysis <sup>13</sup> C Isotope Ratio Mass Spectrometry for Bulk Carbon Stable Isotope Analysis of Alcoholic Beverages. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 10489-10496.	2.4	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. <i>Journal of Environmental Monitoring</i> , 2010, 12, 347-354.	2.1	14
42	Carbon Isotope Ratio Analysis of Steroids by High-Temperature Liquid Chromatography-Isotope Ratio Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 2297-2302.	3.2	14
43	Carbon Isotope Fractionation of Substituted Benzene Analogs during Oxidation with Ozone and Hydroxyl Radicals: How Should Experimental Data Be Interpreted?. <i>Environmental Science &amp; Technology</i> , 2020, 54, 6713-6722.	4.6	12
44	Fingerprinting of red wine by headspace solid-phase dynamic extraction of volatile constituents. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2429-2436.	1.9	11
45	Ionic Liquid as Green Solvent for Leaching of Polycyclic Aromatic Hydrocarbons from Petroleum Source Rock. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 12960-12965.	1.8	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. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 2015-2020.	2.4	11
47	Stable carbon isotope analysis of polyphosphonate complexing agents by anion chromatography coupled to isotope ratio mass spectrometry: method development and application. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4827-4835.	1.9	11
48	Determination of volatile organic compounds by solid-phase microextraction <sup>13</sup> C gas chromatography-differential mobility spectrometry. <i>International Journal for Ion Mobility Spectrometry</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2833-2841.	1.9	10
50	Optimization of a large $\mu$ l volume injection method for compound $\delta^{13}$ C specific isotope analysis of polycyclic aromatic compounds at trace concentrations. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 2349-2360.	0.7	10
51	Characterization of methane oxidation in a simulated landfill cover system by comparing molecular and stable isotope mass balances. <i>Waste Management</i> , 2017, 69, 281-288.	3.7	10
52	Optimization and validation of automated solid-phase microextraction arrow technique for determination of phosphorus flame retardants in water. <i>Journal of Chromatography A</i> , 2020, 1626, 461349.	1.8	10
53	Eye fluke infection changes diet composition in juvenile European perch ( <i>Perca fluviatilis</i> ). <i>Scientific Reports</i> , 2021, 11, 3440.	1.6	10
54	Monitoring of the total carbon and nitrogen balance during the mineralization of nitrogen containing compounds by heat activated persulfate. <i>Chemical Engineering Journal</i> , 2019, 367, 160-168.	6.6	9

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55	How to Couple LC-IRMS with HRMS – A Proof-of-Concept Study. <i>Analytical Chemistry</i> , 2022, 94, 2981-2987.	3.2	9
56	Factors Controlling Leaching of Polycyclic Aromatic Hydrocarbons from Petroleum Source Rock Using Nonionic Surfactant. <i>Chromatographia</i> , 2012, 75, 213-221.	0.7	8
57	An overview of approaches in liquid chromatography flame ionization detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 110, 143-149.	5.8	8
58	Stable isotope analysis spills the beans about spatial variance in trophic structure in a fish host – parasite system from the Vaal River System, South Africa. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2020, 12, 134-141.	0.6	8
59	Two Pathways Compete in the Mn(II)-Catalyzed Oxidation of Aminotrimethylene Phosphonate (ATMP). <i>Environmental Science &amp; Technology</i> , 2022, 56, 4091-4100.	4.6	8
60	Determination of <sup>13</sup> C/ <sup>12</sup> C Isotopic Ratios of Biogenic Organometal(loid) Compounds in Complex Matrixes. <i>Analytical Chemistry</i> , 2009, 81, 4312-4319.	3.2	7
61	Sorbent material characterization using in-tube extraction needles as inverse gas chromatography column. <i>Journal of Separation Science</i> , 2017, 40, 2390-2397.	1.3	7
62	The monogenean <i>Paradiplozoon ichthyoxanthon</i> behaves like a micropredator on two of its hosts, as indicated by stable isotopes. <i>Journal of Helminthology</i> , 2019, 93, 71-75.	0.4	7
63	Applying reverse stable isotope labeling analysis by mid-infrared laser spectroscopy to monitor BDOC in recycled wastewater. <i>Science of the Total Environment</i> , 2019, 665, 1064-1072.	3.9	7
64	Microwave-Assisted Ionic Liquid Extraction of n-Alkanes and Isoprenoid Hydrocarbons from Petroleum Source Rock. <i>Chromatographia</i> , 2015, 78, 1201-1209.	0.7	6
65	Linking reaction rate constants and isotope fractionation of ozonation reactions using phenols as probes. <i>Water Research</i> , 2022, 210, 117931.	5.3	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 GC-MS/MS analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 6473-6483.	1.9	6
67	New Concepts for the Determination of Oxidation Efficiencies in Liquid Chromatography – Isotope Ratio Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 5067-5073.	3.2	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. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
70	Core-Shell Hybrid Particles by Alternating Copolymerization of Ionic Liquid Monomers from Silica as Sorbent for Solid Phase Microextraction. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 1049-1056.	1.7	3
71	A green approach for the extraction of diamondoids from petroleum source rock. <i>Analytica Chimica Acta</i> , 2019, 1091, 23-29.	2.6	2
72	Determination of liquid chromatography/flame ionization detection response factors for alcohols, ketones, and sugars. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2635-2644.	1.9	2

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73	A nebulizer interface for liquid chromatography - Flame ionization detection: Development and validation. <i>Talanta</i> , 2020, 206, 120229.	2.9	2
74	In-tube dynamic extraction for analysis of volatile organic compounds in honey samples. <i>Food Chemistry: X</i> , 2022, 14, 100337.	1.8	2
75	Carbon Isotopic Fractionation via Diffusion in a Coarse Material. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 3246-3253.	1.0	1
76	A centrifuge tube reactor for the determination of bacterial methane oxidation enrichment factors without influence of diffusion related isotope fractionation. <i>Science of the Total Environment</i> , 2019, 659, 1382-1386.	3.9	1
77	Novel Analytical Methods for the Determination of Fuel Oxygenates in Water. <i>Handbook of Environmental Chemistry</i> , 2007, , 1-30.	0.2	1
78	Isotopenanalyse "ein neues Werkzeug in der Umweltanalytik. <i>Nachrichten Aus Der Chemie</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 171-179.	1.9	0
80	Novel Analytical Methods for the Determination of Fuel Oxygenates in Water. , 0, , 1-30.		0