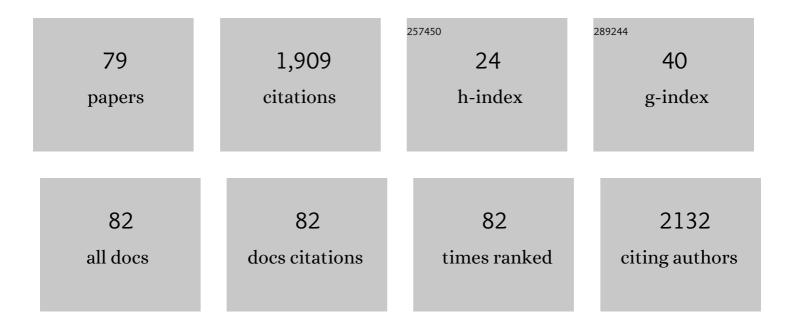
## List of Publications by Year in descending order

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KADI LIOBST

#	Article	IF	CITATIONS
1	Evenâ€electron ions: a systematic study of the neutral species lost in the dissociation of quasiâ€molecular ions. Journal of Mass Spectrometry, 2007, 42, 1024-1044.	1.6	150
2	Identification of Potential Novel Bioaccumulative and Persistent Chemicals in Sediments from Ontario (Canada) Using Scripting Approaches with GC×GC-TOF MS Analysis. Environmental Science & Technology, 2014, 48, 9591-9599.	10.0	111
3	The strength in numbers: comprehensive characterization of house dust using complementary mass spectrometric techniques. Analytical and Bioanalytical Chemistry, 2019, 411, 1957-1977.	3.7	84
4	Using mass defect plots as a discovery tool to identify novel fluoropolymer thermal decomposition products. Journal of Mass Spectrometry, 2014, 49, 291-296.	1.6	80
5	The use of mass defect plots for the identification of (novel) halogenated contaminants in the environment. Analytical and Bioanalytical Chemistry, 2013, 405, 3289-3297.	3.7	72
6	Toward Comprehensive Per- and Polyfluoroalkyl Substances Annotation Using FluoroMatch Software and Intelligent High-Resolution Tandem Mass Spectrometry Acquisition. Analytical Chemistry, 2020, 92, 11186-11194.	6.5	63
7	A review of the determination of persistent organic pollutants for environmental forensics investigations. Analytica Chimica Acta, 2016, 941, 10-25.	5.4	57
8	Identification of the Halogenated Compounds Resulting from the 1997 Plastimet Inc. Fire in Hamilton, Ontario, using Comprehensive Two-Dimensional Gas Chromatography and (Ultra)High Resolution Mass Spectrometry. Environmental Science & Technology, 2014, 48, 10656-10663.	10.0	56
9	Non-targeted analysis of electronics waste by comprehensive two-dimensional gas chromatography combined with high-resolution mass spectrometry: Using accurate mass information and mass defect analysis to explore the data. Journal of Chromatography A, 2015, 1395, 152-159.	3.7	55
10	A high throughput targeted and non-targeted method for the analysis of microcystins and anatoxin-A using on-line solid phase extraction coupled to liquid chromatography–quadrupole time-of-flight high resolution mass spectrometry. Analytical and Bioanalytical Chemistry, 2017, 409, 4959-4969.	3.7	53
11	Is Nontargeted Screening Reproducible?. Environmental Science & Technology, 2018, 52, 11975-11976.	10.0	53
12	Complementary Nontargeted and Targeted Mass Spectrometry Techniques to Determine Bioaccumulation of Halogenated Contaminants in Freshwater Species. Environmental Science & Technology, 2014, 48, 13844-13854.	10.0	50
13	Characterization of Naphthenic Acids by Gas Chromatography-Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Analytical Chemistry, 2014, 86, 7666-7673.	6.5	40
14	Determination of Diphenylamine Antioxidants in Wastewater/Biosolids and Sediment. Environmental Science and Technology Letters, 2020, 7, 102-110.	8.7	39
15	Comparison of Atmospheric Pressure Ionization Gas Chromatography-Triple Quadrupole Mass Spectrometry to Traditional High-Resolution Mass Spectrometry for the Identification and Quantification of Halogenated Dioxins and Furans. Analytical Chemistry, 2015, 87, 7902-7908.	6.5	38
16	Determination of Halogenated Flame Retardants Using Gas Chromatography with Atmospheric Pressure Chemical Ionization (APCI) and a High-Resolution Quadrupole Time-of-Flight Mass Spectrometer (HRqTOFMS). Analytical Chemistry, 2016, 88, 11406-11411.	6.5	38
17	Identification and determination of the dechlorination products of Dechlorane 602 in Great Lakes fish and Arctic beluga whales by gas chromatography–high resolution mass spectrometry. Analytical and Bioanalytical Chemistry, 2012, 404, 2737-2748.	3.7	35
18	Identification and Occurrence of Analogues of Dechlorane 604 in Lake Ontario Sediment and their Accumulation in Fish. Environmental Science & amp; Technology, 2014, 48, 11170-11177.	10.0	34

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19	Distinguishing the C <sub>3</sub> vs SH <sub>4</sub> Mass Split by Comprehensive Two-Dimensional Gas Chromatography–High Resolution Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2016, 88, 6101-6104.	6.5	33
20	Maternal Exposure to Polystyrene Micro- and Nanoplastics Causes Fetal Growth Restriction in Mice. Environmental Science and Technology Letters, 2022, 9, 426-430.	8.7	33
21	Comprehensive characterization of the halogenated dibenzo-p-dioxin and dibenzofuran contents of residential fire debris using comprehensive two-dimensional gas chromatography coupled to time of flight mass spectrometry. Journal of Chromatography A, 2014, 1369, 138-146.	3.7	29
22	Differentiation of (Mixed) Halogenated Dibenzo- <i>p</i> -Dioxins by Negative Ion Atmospheric Pressure Chemical Ionization. Analytical Chemistry, 2016, 88, 5205-5211.	6.5	27
23	Rapid fingerprinting of source and environmental microplastics using direct analysis in real time-high resolution mass spectrometry. Analytica Chimica Acta, 2020, 1100, 107-117.	5.4	27
24	A semiâ€quantitative approach for the rapid screening and mass profiling of naphthenic acids directly in contaminated aqueous samples. Journal of Mass Spectrometry, 2016, 51, 44-52.	1.6	26
25	Identification of Novel Brominated Compounds in Flame Retarded Plastics Containing TBBPA by Combining Isotope Pattern and Mass Defect Cluster Analysis. Environmental Science & Technology, 2017, 51, 1518-1526.	10.0	26
26	Liquid chromatography-ion mobility-high resolution mass spectrometry for analysis of pollutants in indoor dust: Identification and predictive capabilities. Analytica Chimica Acta, 2020, 1125, 29-40.	5.4	25
27	Fast gas chromatography-atmospheric pressure (photo)ionization mass spectrometry of polybrominated diphenylether flame retardants. Analytica Chimica Acta, 2019, 1056, 70-78.	5.4	23
28	Compositional space: A guide for environmental chemists on the identification of persistent and bioaccumulative organics using mass spectrometry. Environment International, 2019, 132, 104808.	10.0	23
29	Background levels of dioxin-like polychlorinated biphenyls (dlPCBs), polychlorinated, polybrominated and mixed halogenated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs, PBDD/Fs & PXDD/Fs) in sera of pregnant women in Accra, Ghana. Science of the Total Environment, 2019, 673, 631-642.	8.0	23
30	Temporal trends of halogenated and organophosphate contaminants in striped dolphins from the Mediterranean Sea. Science of the Total Environment, 2021, 753, 142205.	8.0	23
31	The acrylonitrile dimer ion: A study of its dissociation via self-catalysis, self-protonation and cyclization into the pyrimidine radical cation. International Journal of Mass Spectrometry, 2007, 262, 88-100.	1.5	22
32	Halogenated organic contaminants of concern in urban-influenced waters of Lake Ontario, Canada: Passive sampling with targeted and non-targeted screening. Environmental Pollution, 2020, 264, 114733.	7.5	22
33	Quantitative Analysis of Mixed Halogen Dioxins and Furans in Fire Debris Utilizing Atmospheric Pressure Ionization Gas Chromatography-Triple Quadrupole Mass Spectrometry. Analytical Chemistry, 2015, 87, 10368-10377.	6.5	21
34	A comparison of fresh and used aircraft oil for the identification of toxic substances linked to aerotoxic syndrome. Chemosphere, 2016, 158, 116-123.	8.2	21
35	Isotopic labelling in mass spectrometry as a tool for studying reaction mechanisms of ion dissociations. Journal of Labelled Compounds and Radiopharmaceuticals, 2007, 50, 1115-1123.	1.0	20
36	The covalently bound HNC dimer ion HN C C NH+ has a kinetically stable neutral counterpart. Chemical Physics Letters, 2008, 462, 152-157.	2.6	20

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37	Differentiation of the pyridine radical cation from its distonic isomers by ion–molecule reactions with dioxygen. International Journal of Mass Spectrometry, 2009, 286, 83-88.	1.5	19
38	Evidence for High Concentrations and Maternal Transfer of Substituted Diphenylamines in European Eels Analyzed by Two-Dimensional Gas Chromatography–Time-of-Flight Mass Spectrometry and Gas Chromatography–Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Environmental Science & Technology, 2016, 50, 12678-12685.	10.0	19
39	Improved coverage of naphthenic acid fraction compounds by comprehensive two-dimensional gas chromatography coupled with high resolution mass spectrometry. Journal of Chromatography A, 2018, 1536, 88-95.	3.7	19
40	Characterization of Polycyclic Aromatic Compounds in Commercial Pavement Sealcoat Products for Enhanced Source Apportionment. Environmental Science & amp; Technology, 2019, 53, 3157-3165.	10.0	19
41	Which of the (Mixed) Halogenated n-Alkanes Are Likely To Be Persistent Organic Pollutants?. Environmental Science & Technology, 2021, 55, 15912-15920.	10.0	16
42	The reaction of the acrylonitrile ion CH2CHâ^'CN+ with HCN: Proton-transport catalysis vs formation of ionized pyrimidine. Chemical Physics Letters, 2009, 482, 211-216.	2.6	14
43	C <sub>12–30</sub> α-Bromo-Chloro "Alkenes― Characterization of a Poorly Identified Flame Retardant and Potential Environmental Implications. Environmental Science & Technology, 2019, 53, 10835-10844.	10.0	14
44	Wave reflections in the umbilical artery measured by Doppler ultrasound as a novel predictor of placental pathology. EBioMedicine, 2021, 67, 103326.	6.1	14
45	A modified QuEChERS approach for the screening of dioxins and furans in sediments. Analytical and Bioanalytical Chemistry, 2016, 408, 4043-4054.	3.7	13
46	Rapid Screening of Urinary 1-Hydroxypyrene Glucuronide by Multisegment Injection–Capillary Electrophoresis–Tandem Mass Spectrometry: A High-Throughput Method for Biomonitoring of Recent Smoke Exposures. Analytical Chemistry, 2020, 92, 13558-13564.	6.5	13
47	Nontargeted Screening Using Gas Chromatography–Atmospheric Pressure Ionization Mass Spectrometry: Recent Trends and Emerging Potential. Molecules, 2021, 26, 6911.	3.8	13
48	Urinary hydroxypyrene determination for biomonitoring of firefighters deployed at the Fort McMurray wildfire: an inter-laboratory method comparison. Analytical and Bioanalytical Chemistry, 2019, 411, 1397-1407.	3.7	12
49	The loss of NH2O from the N-hydroxyacetamide radical cation CH3C(O)NHOH+: An ion-catalysed rearrangement. International Journal of Mass Spectrometry, 2006, 254, 127-135.	1.5	10
50	Does the ion–molecule reaction between HCCH+ and HCN lead to CH2CH–CN+? A computational and experimental study of the reverse process. Chemical Physics Letters, 2008, 450, 243-247.	2.6	9
51	Metabolomics Reveals That Bisphenol Pollutants Impair Protein Synthesis-Related Pathways in Daphnia magna. Metabolites, 2021, 11, 666.	2.9	9
52	Small (Poly)Unsaturated Oxygen Containing Ions and Molecules: A Brief Assessment of Their Thermochemistry Based on Computational Chemistry. European Journal of Mass Spectrometry, 2009, 15, 261-273.	1.0	8
53	Interaction of Metal Cations with Alkylnitriles in the Gas Phase: Solvation of Metal Ions by the Hydrocarbon Chain. European Journal of Mass Spectrometry, 2015, 21, 579-587.	1.0	8
54	Data-Independent Identification of Suspected Organic Pollutants Using Gas Chromatography–Atmospheric Pressure Chemical Ionization–Mass Spectrometry. Analytical Chemistry, 2021, 93, 1498-1506.	6.5	8

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55	On the interaction of peptides with calcium ions as studied by matrix-assisted laser desorption/ionization Fourier transform mass spectrometry: Towards peptide fishing using metal ion baits. Analytica Chimica Acta, 2008, 627, 136-147.	5.4	7
56	The remarkable dissociation chemistry of 2-aminoxyethanol ions NH2OCH2CH2OH+studied by experiment and theory. International Journal of Mass Spectrometry, 2008, 269, 165-176.	1.5	7
57	The covalently bound HCN dimer ions HCNâ^'NCH+ and HCNâ^'C(N)H+ are stable species in the gas-phase, but the neutral counterparts are not. Chemical Physics Letters, 2009, 473, 257-262.	2.6	7
58	The quest for the elusive carbodiimide ion HNCNH+ and its generation from ionized cyanamide by proton-transport catalysis. Chemical Physics Letters, 2009, 478, 144-149.	2.6	7
59	The covalently bound dimer ion HC N C NH+ and its neutral counterpart. Chemical Physics Letters, 2010, 497, 7-11.	2.6	7
60	Predicting the Mass Spectra of Environmental Pollutants Using Computational Chemistry: A Case Study and Critical Evaluation. Journal of the American Society for Mass Spectrometry, 2021, 32, 1508-1518.	2.8	7
61	Evaluation of multiple alternative instrument platforms for targeted and nonâ€ŧargeted dioxin and furan analysis. Journal of Mass Spectrometry, 2018, 53, 504-510.	1.6	6
62	Dried blood spots for the identification of bioaccumulating organic compounds: Current challenges and future perspectives. Current Opinion in Environmental Science and Health, 2020, 15, 66-73.	4.1	6
63	The impact of perfluoroalkyl substances on pregnancy, birth outcomes, and offspring development: a review of data from mouse models. Biology of Reproduction, 2022, 106, 397-407.	2.7	6
64	Catalysis in Hydrogen-Bridged Radical Cations. European Journal of Mass Spectrometry, 2012, 18, 183-194.	1.0	5
65	The hydrogen-bridged radical cation [NH2C O⋯H⋯O CHCH3]+ and its dissociation by proton-transport catalysis. Chemical Physics Letters, 2012, 523, 20-24.	2.6	5
66	Generation and Dissociation of RCOOCaCl2â^'and other Carboxylate-Substituted Superhalogens: CO2Capture and Implications for Structure Analysis. ChemPlusChem, 2013, 78, 1184-1189.	2.8	5
67	Analytical Methodology of POPs. , 2014, , 59-139.		5
68	Interaction of Metal Cations with Functionalised Hydrocarbons in the Gas Phase: Further Experimental Evidence for Solvation of Metal Ions by the Hydrocarbon Chain. European Journal of Mass Spectrometry, 2016, 22, 61-70.	1.0	5
69	Loss of DNC from ionized 4-hydroxypyridine-OD: An intriguing reaction unravelled by theory and experiment. International Journal of Mass Spectrometry, 2007, 264, 146-156.	1.5	4
70	The dissociation chemistry of low-energy N-formylethanolamine ions: Hydrogen-bridged radical cations as key intermediates. International Journal of Mass Spectrometry, 2011, 306, 9-26.	1.5	4
71	A mechanistic study of the prominent loss of H2O from ionized 2-hydroxyaminoethanol. International Journal of Mass Spectrometry, 2011, 306, 138-149.	1.5	3
72	Nontargeted Analysis of Persistent Organic Pollutants by Mass Spectrometry and GC×GC. Comprehensive Analytical Chemistry, 2016, 71, 405-431.	1.3	3

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73	Identification of Halohydrins as Potential Disinfection By-Products in Treated Drinking Water. International Journal of Spectroscopy, 2011, 2011, 1-7.	1.6	1
74	The Dissociation Chemistry of Ionized Methyl Carbamate and its Isomers Revisited: Theory and Experiment in Concert. European Journal of Mass Spectrometry, 2012, 18, 149-159.	1.0	1
75	Dissociation of CuH+ and ZnH+ complexes of ethylenediamine and their N-methylated homologues: Family and neighbours, but not the same. International Journal of Mass Spectrometry, 2013, 354-355, 144-151.	1.5	1
76	The double hydrogen transfer in the 1-methoxy-2-propanol molecular ion: Loss of CH3CO by proton-transport catalysis. International Journal of Mass Spectrometry, 2012, 316-318, 18-22.	1.5	0
77	The reaction of the hydrogen-bridged radical cation [NH2COHOCH2]•+ with dioxygen. International Journal of Mass Spectrometry, 2013, 354-355, 99-104.	1.5	0
78	Response to the Comment on Comparison of Atmospheric Pressure Ionization Gas Chromatography-Triple Quadrupole Mass Spectrometry to Traditional High-Resolution Mass Spectrometry for the Identification and Quantification of Halogenated Dioxins and Furans. Analytical Chemistry, 2015, 87, 11166-11166.	6.5	0
79	Editorial overview: Exposomics, emerging exposures and analytical challenges. Current Opinion in Environmental Science and Health, 2020, 15, A1-A3.	4.1	Ο