Erik T Krogh

List of Publications by Year
in descending order

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Version: 2024-02-01

42 papers	743 citations	516710 16 h-index	580821 25 g-index
42 all docs	42 docs citations	42 times ranked	491 citing authors

#	Article	IF	Citations
1	Measurement of Diacetyl and Related Compounds in Coffee Roasteries and Breweries. Annals of Work Exposures and Health, 2022, 66, 618-631.	1.4	3
2	Geospatial Assessment of Trace-Level Benzophenone-3 in a Fish-Bearing River Using Direct Mass Spectrometry. ACS ES&T Water, 2022, 2, 262-267.	4.6	4
3	Characterizing photochemical ageing processes of microplastic materials using multivariate analysis of infrared spectra. Environmental Sciences: Processes and Impacts, 2022, 24, 52-61.	3.5	14
4	Membrane Sampling Separates Naphthenic Acids from Biogenic Dissolved Organic Matter for Direct Analysis by Mass Spectrometry. Environmental Science & Technology, 2022, 56, 3096-3105.	10.0	6
5	Spatial and Temporal Pattern of Norovirus Dispersal in an Oyster Growing Region in the Northeast Pacific. Viruses, 2022, 14, 762.	3.3	5
6	Direct mass spectrometric analysis of naphthenic acids and polycyclic aromatic hydrocarbons in waters impacted by diluted bitumen and conventional crude oil. Science of the Total Environment, 2021, 765, 144206.	8.0	22
7	A Direct Mass Spectrometry Method for the Rapid Analysis of Ubiquitous Tire-Derived Toxin <i>N</i>-(1,3-Dimethylbutyl)-<i>N</i>â€²-phenyl-<i>p</i>-phenylenediamine Quinone (6-PPDQ). Environmental Science and Technology Letters, 2021, 8, 1051-1056.	8.7	18
8	Discrimination and geo-spatial mapping of atmospheric VOC sources using full scan direct mass spectral data collected from a moving vehicle. Environmental Sciences: Processes and Impacts, 2020, 22, 173-186.	3.5	2
9	Mapping the geospatial distribution of atmospheric BTEX compounds using portable mass spectrometry and adaptive whole air sampling. Atmospheric Pollution Research, 2020, 11, 545-553.	3.8	3
10	Direct, Isomer-Specific Quantitation of Polycyclic Aromatic Hydrocarbons in Soils Using Membrane Introduction Mass Spectrometry and Chemical Ionization. Analytical Chemistry, 2020, 92, 15480-15488.	6.5	18
11	Rapid and quantitative determination of fentanyls and pharmaceuticals from powdered drug samples by paper spray mass spectrometry. Analytical Science Advances, 2020, 1, 97-108.	2.8	16
12	Condensed Phase Membrane Introduction Mass Spectrometry with <i>In Situ</i> Liquid Reagent Chemical Ionization in a Liquid Electron Ionization Source (CP-MIMS-LEI/CI). Journal of the American Society for Mass Spectrometry, 2020, 31, 908-916.	2.8	12
13	Direct analysis of naphthenic acids in constructed wetland samples by condensed phase membrane introduction mass spectrometry. Science of the Total Environment, 2020, 716, 137063.	8.0	13
14	Mass Spectrometry Based Approach for Organic Synthesis Monitoring. Analytical Chemistry, 2019, 91, 11916-11922.	6.5	14
15	Direct Measurement of Acid Dissociation Constants of Trace Organic Compounds at Nanomolar Levels in Aqueous Solution by Condensed Phaseâ€“Membrane Introduction Mass Spectrometry. Environmental Toxicology and Chemistry, 2019, 38, 1879-1889.	4.3	15
16	Direct Analysis of Polyaromatic Hydrocarbons in Soil and Aqueous Samples Using Condensed Phase Membrane Introduction Tandem Mass Spectrometry with Low-Energy Liquid Electron Ionization. Analytical Chemistry, 2019, 91, 1587-1594.	6.5	25
17	Direct quantitation and characterization of fatty acids in salmon tissue by condensed phase membrane introduction mass spectrometry (CP-MIMS) using a modified donor phase. Analytical and Bioanalytical Chemistry, 2019, 411, 291-303.	3.7	6
18	Paper spray mass spectrometry for the direct, semi-quantitative measurement of fentanyl and norfentanyl in complex matrices. Clinical Biochemistry, 2018, 54, 106-111.	1.9	52

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19	Online measurement of phthalateâ€“particulate matter interactions by membrane introduction mass spectrometry (MIMS). Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 702-707.	1.7	3
20	Discrimination of constructed air samples using multivariate analysis of full scan membrane introduction mass spectrometry (MIMS) data. Rapid Communications in Mass Spectrometry, 2018, 32, 349-360.	1.5	2
21	Condensed Phase Membrane Introduction Mass SpectrometryÂâ€“ Continuous, Direct and Online Measurements in Complex Samples. Comprehensive Analytical Chemistry, 2018, 79, 173-203.	1.3	13
22	Direct online quantitation of 2-methyl-3-methoxy-4-phenyl butanoic acid for total microcystin analysis by condensed phase membrane introduction tandem mass spectrometry. Analytical Methods, 2018, 10, 3310-3316.	2.7	6
23	Polymer Inclusion Membranes with Condensed Phase Membrane Introduction Mass Spectrometry (CP-MIMS): Improved Analytical Response Time and Sensitivity. Analytical Chemistry, 2017, 89, 5629-5636.	6.5	15
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	Condensed Phase Membrane Introduction Mass Spectrometry with Direct Electron Ionization: On-line Measurement of PAHs in Complex Aqueous Samples. Journal of the American Society for Mass Spectrometry, 2016, 27, 301-308.	2.8	17
26	Rapid Screening of Carboxylic Acids from Waste and Surface Waters by ESI-MS/MS Using Barium Ion Chemistry and On-Line Membrane Sampling. Journal of the American Society for Mass Spectrometry, 2016, 27, 443-450.	2.8	20
27	A membrane introduction mass spectrometer utilizing ion-molecule reactions for the on-line speciation and quantitation of volatile organic molecules. Rapid Communications in Mass Spectrometry, 2015, 29, 2187-2194.	1.5	7
28	A Field-Portable Membrane Introduction Mass Spectrometer for Real-time Quantitation and Spatial Mapping of Atmospheric and Aqueous Contaminants. Journal of the American Society for Mass Spectrometry, 2015, 26, 212-223.	2.8	34
29	The Effect of the Earthâ€™s and Stray Magnetic Fields on Mobile Mass Spectrometer Systems. Journal of the American Society for Mass Spectrometry, 2015, 26, 201-211.	2.8	4
30	Ionization suppression effects with condensed phase membrane introduction mass spectrometry: methods to increase the linear dynamic range and sensitivity. Journal of Mass Spectrometry, 2015, 50, 437-443.	1.6	24
31	Photosensitized degradation kinetics of trace halogenated contaminants in natural waters using membrane introduction mass spectrometry as an in situ reaction monitor. Photochemical and Photobiological Sciences, 2015, 14, 2108-2118.	2.9	13
32	Membrane introduction mass spectrometry (MIMS): a versatile tool for direct, realâ€time chemical measurements. Journal of Mass Spectrometry, 2014, 49, 1205-1213.	1.6	46
33	Delicate polydimethylsiloxane hollow fibre membrane interfaces for condensed phase membrane introduction mass spectrometry (CPâ€MIMS). Rapid Communications in Mass Spectrometry, 2014, 28, 671-681.	1.5	25
34	Measurement of spatial and temporal variation in volatile hazardous air pollutants in Tacoma, Washington, using a mobile membrane introduction mass spectrometry (MIMS) system. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 1199-1208.	1.7	14
35	A miniature condensedâ€phase membrane introduction mass spectrometry (CPâ€MIMS) probe for direct and onâ€line measurements of pharmaceuticals and contaminants in small, complex samples. Rapid Communications in Mass Spectrometry, 2013, 27, 1213-1221.	1.5	20
36	Membrane-introduction mass spectrometry (MIMS). TrAC - Trends in Analytical Chemistry, 2011, 30, 1477-1485.	11.4	69

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37	Characterization of a condensedâ€phase membrane introduction mass spectrometry (CPâ€MIMS) interface using a methanol acceptor phase coupled with electrospray ionization for the continuous onâ€line quantitation of polar, lowâ€volatility analytes at trace levels in complex aqueous samples. Rapid Communications in Mass Spectrometry, 2011, 25, 1141-1151.	1.5	31
38	On-line measurement of oxidative degradation kinetics for trace gasoline contaminants in aqueous solutions and natural water by membrane introduction tandem mass spectrometry. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2010, 45, 1720-1731.	1.7	8
39	The Use of MIMS-MS-MS in Field Locations as an On-Line Quantitative Environmental Monitoring Technique for Trace Contaminants in Air and Water. Journal of Chromatographic Science, 2009, 47, 57-66.	1.4	23
40	Modeling analyte permeation in cylindrical hollow fiber membrane introduction mass spectrometry. Journal of Membrane Science, 2008, 325, 81-91.	8.2	16
41	A coaxially heated membrane introduction mass spectrometry interface for the rapid and sensitive on-line measurement of volatile and semi-volatile organic contaminants in air and water at parts-per-trillion levels. Rapid Communications in Mass Spectrometry, 2006, 20, 2000-2008.	1.5	43
42	Monitoring the TiO2-Photocatalyzed Destruction of Aqueous Environmental Contaminants at Parts-per-trillion Levels Using Membrane Introduction Mass Spectrometry (MIMS). Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2004, 39, 2307-2317.	1.7	16