Rachel E Mohler

List of Publications by Year
in descending order

19	1,040	516710 16	794594 19
papers	citations	h-index	g-index

19	19	19	1195
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cyclic changes in metabolic state during the life of a yeast cell. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16886-16891.	7.1	232
2	Comprehensive Two-Dimensional Gas Chromatography Time-of-Flight Mass Spectrometry Analysis of Metabolites in Fermenting and Respiring Yeast Cells. Analytical Chemistry, 2006, 78, 2700-2709.	6.5	150
3	Recent advancements in comprehensive two-dimensional separations with chemometrics. Journal of Chromatography A, 2008, 1184, 341-352.	3.7	146
4	Comprehensive analysis of yeast metabolite GCÃ—GCâ€“TOFMS data: combining discovery-mode and deconvolution chemometric software. Analyst, The, 2007, 132, 756-767.	3.5	103
5	Identification and evaluation of cycling yeast metabolites in two-dimensional comprehensive gas chromatographyâ€“time-of-flight-mass spectrometry data. Journal of Chromatography A, 2008, 1186, 401-411.	3.7	64
6	Hydrocarbon Renewable and Synthetic Diesel Fuel Blendstocks: Composition and Properties. Energy & Fuels, 2013, 27, 237-246.	5.1	56
7	Non-Targeted Analysis of Petroleum Metabolites in Groundwater Using GCÃ—GCâ€“TOFMS. Environmental Science & Technology, 2013, 47, 10471-10476.	10.0	42
8	Nature and Estimated Human Toxicity of Polar Metabolite Mixtures in Groundwater Quantified as <scp>TPHd</scp>/<scp>DRO</scp> at Biodegrading Fuel Release Sites. Ground Water Monitoring and Remediation, 2013, 33, 44-56.	0.8	35
9	Life cycle of petroleum biodegradation metabolite plumes, and implications for risk management at fuel release sites. Integrated Environmental Assessment and Management, 2017, 13, 714-727.	2.9	32
10	Total-transfer, valve-based comprehensive two-dimensional gas chromatography. Analytica Chimica Acta, 2006, 555, 68-74.	5.4	30
11	A Review of Chemometrics Applied to Comprehensive Two-dimensional Separations from 2008â€“2010. Separation and Purification Reviews, 2012, 41, 143-168.	5.5	25
12	Towards comprehensive analysis of oxygen containing organic compounds in groundwater at a crude oil spill site using GCÃ—GC-TOFMS and Orbitrap ESI-MS. Chemosphere, 2020, 244, 125504.	8.2	25
13	Identification and Quantification of Aqueous Aromatic Hydrocarbons Using SH-Surface Acoustic Wave Sensors. Analytical Chemistry, 2014, 86, 1794-1799.	6.5	24
14	Identification of ester metabolites from petroleum hydrocarbon biodegradation in groundwater using GCÃ—GCâ€TOFMS. Environmental Toxicology and Chemistry, 2015, 34, 1959-1961.	4.3	23
15	Analysis of Binary Mixtures of Aqueous Aromatic Hydrocarbons with Low-Phase-Noise Shear-Horizontal Surface Acoustic Wave Sensors Using Multielectrode Transducer Designs. Analytical Chemistry, 2014, 86, 11464-11471.	6.5	19
16	Detection and Quantification of Aromatic Hydrocarbon Compounds in Water Using SH-SAW Sensors and Estimation-Theory-Based Signal Processing. ACS Sensors, 2016, 1, 63-72.	7.8	17
17	Human and Aquatic Toxicity Potential of Petroleum Biodegradation Metabolite Mixtures in Groundwater from Fuel Release Sites. Environmental Toxicology and Chemistry, 2020, 39, 1634-1645.	4.3	10
18	Rapid Quantification of 4,4â€²-Methylenedianiline by Surface-Enhanced Raman Spectroscopy. Analytical Chemistry, 2017, 89, 13190-13194.	6.5	4

#	Article	IF	Citations
19	Orbitrap ESI-MS evaluation of solvent extractable organics from a crude oil release site. Journal of Contaminant Hydrology, 2021, 242, 103855.	3.3	3