

# Rachel E Mohler

## List of Publications by Year in descending order

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19  
papers

1,040  
citations

516710

16  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1195  
citing authors

#	ARTICLE	IF	CITATIONS
1	Orbitrap ESI-MS evaluation of solvent extractable organics from a crude oil release site. <i>Journal of Contaminant Hydrology</i> , 2021, 242, 103855.	3.3	3
2	Towards comprehensive analysis of oxygen containing organic compounds in groundwater at a crude oil spill site using GC–GC-TOFMS and Orbitrap ESI-MS. <i>Chemosphere</i> , 2020, 244, 125504.	8.2	25
3	Human and Aquatic Toxicity Potential of Petroleum Biodegradation Metabolite Mixtures in Groundwater from Fuel Release Sites. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 1634-1645.	4.3	10
4	Rapid Quantification of 4,4'-Methylenedianiline by Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2017, 89, 13190-13194.	6.5	4
5	Life cycle of petroleum biodegradation metabolite plumes, and implications for risk management at fuel release sites. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 714-727.	2.9	32
6	Detection and Quantification of Aromatic Hydrocarbon Compounds in Water Using SH-SAW Sensors and Estimation-Theory-Based Signal Processing. <i>ACS Sensors</i> , 2016, 1, 63-72.	7.8	17
7	Identification of ester metabolites from petroleum hydrocarbon biodegradation in groundwater using GC–GC-TOFMS. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1959-1961.	4.3	23
8	Analysis of Binary Mixtures of Aqueous Aromatic Hydrocarbons with Low-Phase-Noise Shear-Horizontal Surface Acoustic Wave Sensors Using Multielectrode Transducer Designs. <i>Analytical Chemistry</i> , 2014, 86, 11464-11471.	6.5	19
9	Identification and Quantification of Aqueous Aromatic Hydrocarbons Using SH-Surface Acoustic Wave Sensors. <i>Analytical Chemistry</i> , 2014, 86, 1794-1799.	6.5	24
10	Hydrocarbon Renewable and Synthetic Diesel Fuel Blendstocks: Composition and Properties. <i>Energy &amp; Fuels</i> , 2013, 27, 237-246.	5.1	56
11	Non-Targeted Analysis of Petroleum Metabolites in Groundwater Using GC–GC-TOFMS. <i>Environmental Science &amp; Technology</i> , 2013, 47, 10471-10476.	10.0	42
12	Nature and Estimated Human Toxicity of Polar Metabolite Mixtures in Groundwater Quantified as TPHd/DRO at Biodegrading Fuel Release Sites. <i>Ground Water Monitoring and Remediation</i> , 2013, 33, 44-56.	0.8	35
13	A Review of Chemometrics Applied to Comprehensive Two-dimensional Separations from 2008–2010. <i>Separation and Purification Reviews</i> , 2012, 41, 143-168.	5.5	25
14	Identification and evaluation of cycling yeast metabolites in two-dimensional comprehensive gas chromatography–time-of-flight-mass spectrometry data. <i>Journal of Chromatography A</i> , 2008, 1186, 401-411.	3.7	64
15	Recent advancements in comprehensive two-dimensional separations with chemometrics. <i>Journal of Chromatography A</i> , 2008, 1184, 341-352.	3.7	146
16	Cyclic changes in metabolic state during the life of a yeast cell. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16886-16891.	7.1	232
17	Comprehensive analysis of yeast metabolite GC–GC-TOFMS data: combining discovery-mode and deconvolution chemometric software. <i>Analyst</i> , 2007, 132, 756-767.	3.5	103
18	Comprehensive Two-Dimensional Gas Chromatography Time-of-Flight Mass Spectrometry Analysis of Metabolites in Fermenting and Respiring Yeast Cells. <i>Analytical Chemistry</i> , 2006, 78, 2700-2709.	6.5	150

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19	Total-transfer, valve-based comprehensive two-dimensional gas chromatography. <i>Analytica Chimica Acta</i> , 2006, 555, 68-74.	5.4	30