Jeremy P Koelmel

List of Publications by Year
in descending order

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50 papers	2,323 citations	304743 22 h-index	223800 46 g-index
57 all docs	57 docs citations	57 times ranked	2912 citing authors

#	Article	IF	Citations
1	Characterizing the external exposome using passive samplers—comparative assessment of chemical exposures using different wearable form factors. Journal of Exposure Science and Environmental Epidemiology, 2023, 33, 558-565.	3.9	4
2	FluoroMatch 2.0—making automated and comprehensive non-targeted PFAS annotation a reality. Analytical and Bioanalytical Chemistry, 2022, 414, 1201-1215.	3.7	48
3	Changes in Sewage Sludge Chemical Signatures During a COVID‐19 Community Lockdown, Part 1: Traffic, Drugs, Mental Health, and Disinfectants. Environmental Toxicology and Chemistry, 2022, 41, 1179-1192.	4.3	22
4	Lipidomics and Redox Lipidomics Indicate Early Stage Alcohol‐Induced Liver Damage. Hepatology Communications, 2022, 6, 513-525.	4.3	6
5	Assessing the External Exposome Using Wearable Passive Samplers and High-Resolution Mass Spectrometry among South African Children Participating in the VHEMBE Study. Environmental Science & Technology, 2022, 56, 2191-2203.	10.0	16
6	Occurrence and contamination profile of legacy and emerging per- and polyfluoroalkyl substances (PFAS) in Belgian wastewater using target, suspect and non-target screening approaches. Journal of Hazardous Materials, 2022, 437, 129378.	12.4	21
7	A Review of Efforts to Improve Lipid Stability during Sample Preparation and Standardization Efforts to Ensure Accuracy in the Reporting of Lipid Measurements. Lipids, 2021, 56, 3-16.	1.7	37
8	Software Comparison for Nontargeted Analysis of PFAS in AFFF-Contaminated Soil. Journal of the American Society for Mass Spectrometry, 2021, 32, 840-846.	2.8	31
9	Exploring the external exposome using wearable passive samplers - The China BAPE study. Environmental Pollution, 2021, 270, 116228.	7.5	30
10	Head, Shoulders, Knees, and Toes: Placement of Wearable Passive Samplers Alters Exposure Profiles Observed. Environmental Science & Technology, 2021, 55, 3796-3806.	10.0	19
11	Use of Exposomic Methods Incorporating Sensors in Environmental Epidemiology. Current Environmental Health Reports, 2021, 8, 34-41.	6.7	21
12	Evolution of the liver biopsy and its future. Translational Gastroenterology and Hepatology, 2021, 6, 20-20.	3.0	18
13	A Novel Technique for Redox Lipidomics Using Mass Spectrometry: Application on Vegetable Oils Used to Fry Potatoes. Journal of the American Society for Mass Spectrometry, 2021, 32, 1798-1809.	2.8	5
14	Yale School of Public Health Symposium: An overview of the challenges and opportunities associated with per- and polyfluoroalkyl substances (PFAS). Science of the Total Environment, 2021, 778, 146192.	8.0	22
15	50 chemical exposures of concern discovered using wearable passive samplers and gas chromatography high-resolution mass spectrometry in South African children. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
16	FluoroMatch: A Comprehensive Software for Non-Targeted PFAS Analysis. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
17	Quality control requirements for the correct annotation of lipidomics data. Nature Communications, 2021, 12, 4771.	12.8	54
18	Personal External Exposomes from Around the World. ISEE Conference Abstracts, 2021, 2021, .	0.0	0

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19	Exploring personal chemical exposures in China with wearable air pollutant monitors: A repeated-measure study in healthy older adults in Jinan, China. Environment International, 2021, 156, 106709.	10.0	16
20	Optimization of a liquid chromatography-ion mobility-high resolution mass spectrometry platform for untargeted lipidomics and application to HepaRG cell extracts. Talanta, 2021, 235, 122808.	5.5	18
21	Prevalence and Implications of Per- and Polyfluoroalkyl Substances (PFAS) in Settled Dust. Current Environmental Health Reports, 2021, 8, 323-335.	6.7	25
22	Ultrahigh-Performance Liquid Chromatography–High-Resolution Mass Spectrometry Metabolomics and Lipidomics Study of Stool from Transgenic Parkinson's Disease Mice Following Immunotherapy. Journal of Proteome Research, 2020, 19, 424-431.	3.7	6
23	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
24	A histological evaluation of pansteatitis–affected Mozambique tilapia, Oreochromis mossambicus (Peters 1852), from different geographical locations in South Africa. Journal of Fish Diseases, 2020, 43, 1185-1199.	1.9	1
25	Addressing the challenges of E-cigarette safety profiling by assessment of pulmonary toxicological response in bronchial and alveolar mucosa models. Scientific Reports, 2020, 10, 20460.	3.3	20
26	A lipidome atlas in MS-DIAL 4. Nature Biotechnology, 2020, 38, 1159-1163.	17.5	424
27	Lipid Annotator: Towards Accurate Annotation in Non-Targeted Liquid Chromatography High-Resolution Tandem Mass Spectrometry (LC-HRMS/MS) Lipidomics Using a Rapid and User-Friendly Software. Metabolites, 2020, 10, 101.	2.9	69
28	Developmental exposure of California mice to endocrine disrupting chemicals and potential effects on the microbiome-gut-brain axis at adulthood. Scientific Reports, 2020, 10, 10902.	3.3	23
29	Environmental lipidomics: understanding the response of organisms and ecosystems to a changing world. Metabolomics, 2020, 16, 56.	3.0	24
30	Software tool for internal standard based normalization of lipids, and effect of data-processing strategies on resulting values. BMC Bioinformatics, 2019, 20, 217.	2.6	21
31	Effective Liquid Chromatography–Trapped Ion Mobility Spectrometry–Mass Spectrometry Separation of Isomeric Lipid Species. Analytical Chemistry, 2019, 91, 5021-5027.	6.5	64
32	Lipidomics for wildlife disease etiology and biomarker discovery: a case study of pansteatitis outbreak in South Africa. Metabolomics, 2019, 15, 38.	3.0	11
33	Re-modeling of foliar membrane lipids in a seagrass allows for growth in phosphorus-deplete conditions. PLoS ONE, 2019, 14, e0218690.	2.5	11
34	Chronic maternal cortisol excess during late gestation leads to metabolic alterations in the newborn heart. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E546-E556.	3.5	21
35	Mass Spectrometric Methodologies for Investigating the Metabolic Signatures of Parkinson's Disease: Current Progress and Future Perspectives. Analytical Chemistry, 2018, 90, 2979-2986.	6.5	15
36	The Efficient Removal of Heavy Metal Ions from Industry Effluents Using Waste Biomass as Low-Cost Adsorbent: Thermodynamic and Kinetic Models. Zeitschrift Fur Physikalische Chemie, 2018, 232, 527-543.	2.8	31

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37	Examining heat treatment for stabilization of the lipidome. Bioanalysis, 2018, 10, 291-305.	1.5	10
38	NIST lipidomics workflow questionnaire: an assessment of community-wide methodologies and perspectives. Metabolomics, 2018, 14, 53.	3.0	33
39	Optimization of Electrospray Ionization Source Parameters for Lipidomics To Reduce Misannotation of In-Source Fragments as Precursor Ions. Analytical Chemistry, 2018, 90, 13523-13532.	6.5	54
40	Multiomics approach reveals metabolic changes in the heart at birth. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E1212-E1223.	3.5	18
41	Pioglitazone improves hepatic mitochondrial function in a mouse model of nonalcoholic steatohepatitis. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E163-E173.	3.5	50
42	LipidPioneer : A Comprehensive User-Generated Exact Mass Template for Lipidomics. Journal of the American Society for Mass Spectrometry, 2017, 28, 562-565.	2.8	28
43	Common cases of improper lipid annotation using high-resolution tandem mass spectrometry data and corresponding limitations in biological interpretation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 766-770.	2.4	58
44	Tissue distribution of perfluoroalkyl acids and health status in wild Mozambique tilapia (Oreochromis mossambicus) from Loskop Dam, Mpumalanga, South Africa. Journal of Environmental Sciences, 2017, 61, 59-67.	6.1	24
45	Expanding Lipidome Coverage Using LC-MS/MS Data-Dependent Acquisition with Automated Exclusion List Generation. Journal of the American Society for Mass Spectrometry, 2017, 28, 908-917.	2.8	156
46	Harmonizing lipidomics: NIST interlaboratory comparison exercise for lipidomics using SRM 1950â€"Metabolites in Frozen Human Plasma. Journal of Lipid Research, 2017, 58, 2275-2288.	4.2	312
47	LipidQC: Method Validation Tool for Visual Comparison to SRM 1950 Using NIST Interlaboratory Comparison Exercise Lipid Consensus Mean Estimate Values. Analytical Chemistry, 2017, 89, 13069-13073.	6.5	37
48	A Robust Lipidomics Workflow for Mammalian Cells, Plasma, and Tissue Using Liquid-Chromatography High-Resolution Tandem Mass Spectrometry. Methods in Molecular Biology, 2017, 1609, 91-106.	0.9	31
49	LipidMatch: an automated workflow for rule-based lipid identification using untargeted high-resolution tandem mass spectrometry data. BMC Bioinformatics, 2017, 18, 331.	2.6	243
50	Bibliometric Analysis of Phytotechnologies for Remediation: Global Scenario of Research and Applications. International Journal of Phytoremediation, 2015, 17, 145-153.	3.1	23