

Jennifer A Kirwan

List of Publications by Year in descending order

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29
papers

1,427
citations

516710

16
h-index

477307

29
g-index

36
all docs

36
docs citations

36
times ranked

3102
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolomics enables precision medicine: â€œA White Paper, Community Perspectiveâ€ Metabolomics, 2016, 12, 149.	3.0	434
2	Fumarate Is Cardioprotective via Activation of the Nrf2 Antioxidant Pathway. Cell Metabolism, 2012, 15, 361-371.	16.2	231
3	Direct infusion mass spectrometry metabolomics dataset: a benchmark for data processing and quality control. Scientific Data, 2014, 1, 140012.	5.3	134
4	Characterising and correcting batch variation in an automated direct infusion mass spectrometry (DIMS) metabolomics workflow. Analytical and Bioanalytical Chemistry, 2013, 405, 5147-5157.	3.7	123
5	Comparison of modified Matyash method to conventional solvent systems for polar metabolite and lipid extractions. Analytica Chimica Acta, 2018, 1037, 301-315.	5.4	75
6	Toxicological effect of single contaminants and contaminant mixtures associated with plant ingredients in novel salmon feeds. Food and Chemical Toxicology, 2014, 73, 157-174.	3.6	48
7	SorCS2 Controls Functional Expression of Amino Acid Transporter EAAT3 and Protects Neurons from Oxidative Stress and Epilepsy-Induced Pathology. Cell Reports, 2019, 26, 2792-2804.e6.	6.4	39
8	Untargeted metabolomic analysis and pathway discovery in perinatal asphyxia and hypoxic-ischaemic encephalopathy. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 147-162.	4.3	35
9	Deep Learning-Assisted Peak Curation for Large-Scale LC-MS Metabolomics. Analytical Chemistry, 2022, 94, 4930-4937.	6.5	34
10	Sex-specific metabolic and functional differences in human umbilical vein endothelial cells from twin pairs. Atherosclerosis, 2019, 291, 99-106.	0.8	31
11	Predicting chronic copper and nickel reproductive toxicity to Daphnia pulex-pulicaria from whole-animal metabolic profiles. Environmental Pollution, 2016, 212, 325-329.	7.5	29
12	Lipid Metabolite Biomarkers in Cardiovascular Disease: Discovery and Biomechanism Translation from Human Studies. Metabolites, 2021, 11, 621.	2.9	26
13	Concepts and Software Package for Efficient Quality Control in Targeted Metabolomics Studies: MeTaQuaC. Analytical Chemistry, 2020, 92, 10241-10245.	6.5	22
14	Omega-3 and alpha-tocopherol provide more protection against contaminants in novel feeds for Atlantic salmon (Salmo salar L.) than omega-6 and gamma tocopherol. Toxicology Reports, 2016, 3, 211-224.	3.3	20
15	Metabolomics confirms that dissolved organic carbon mitigates copper toxicity. Environmental Toxicology and Chemistry, 2016, 35, 635-644.	4.3	19
16	WiPP: Workflow for Improved Peak Picking for Gas Chromatography-Mass Spectrometry (GC-MS) Data. Metabolites, 2019, 9, 171.	2.9	19
17	Improvement in the Prediction of Neonatal Hypoxic-Ischemic Encephalopathy with the Integration of Umbilical Cord Metabolites and Current Clinical Markers. Journal of Pediatrics, 2021, 229, 175-181.e1.	1.8	17
18	Mass Spectrometry Based Metabolomics Comparison of Liver Grafts from Donors after Circulatory Death (DCD) and Donors after Brain Death (DBD) Used in Human Orthotopic Liver Transplantation. PLoS ONE, 2016, 11, e0165884.	2.5	17

#	ARTICLE	IF	CITATIONS
19	An integrated host-microbiome response to atrazine exposure mediates toxicity in <i>Drosophila</i> . <i>Communications Biology</i> , 2021, 4, 1324.	4.4	10
20	Progression-Dependent Altered Metabolism in Osteosarcoma Resulting in Different Nutrient Source Dependencies. <i>Cancers</i> , 2020, 12, 1371.	3.7	9
21	Optimized Workflow for On-Line Derivatization for Targeted Metabolomics Approach by Gas Chromatography-Mass Spectrometry. <i>Metabolites</i> , 2021, 11, 888.	2.9	9
22	Metabolomics for the practising vet. <i>In Practice</i> , 2013, 35, 438-445.	0.2	8
23	Modified Protocol of Harvesting, Extraction, and Normalization Approaches for Gas Chromatography Mass Spectrometry-Based Metabolomics Analysis of Adherent Cells Grown Under High Fetal Calf Serum Conditions. <i>Metabolites</i> , 2020, 10, 2.	2.9	6
24	AltamISA: a Python API for ISA-Tab files. <i>Journal of Open Source Software</i> , 2019, 4, 1610.	4.6	6
25	Metabolomics: An Emerging Post-genomic Tool for Nutrition. , 2010, , 271-285.		2
26	Analysis of adherent cell culture lysates with low metabolite concentrations using the Biocrates AbsoluteIDQ p400 HR kit. <i>Scientific Reports</i> , 2022, 12, 7933.	3.3	2
27	A Comparison of Solvent-Based Extraction Methods to Assess the Central Carbon Metabolites in Mouse Bone and Muscle. <i>Metabolites</i> , 2022, 12, 453.	2.9	2
28	Identification and validation of small molecule analytes in mouse plasma by liquid chromatography–tandem mass spectrometry: A case study of misidentification of a short-chain fatty acid with a ketone body. <i>Talanta</i> , 2022, 242, 123298.	5.5	1
29	Toxicological effect of single contaminants and contaminant mixtures associated with plant ingredients in novel salmon feeds. <i>Toxicology Letters</i> , 2014, 229, S212-S213.	0.8	0