

Brian C Defelice

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18
papers

1,059
citations

12
h-index

21
g-index

21
ext. papers

1,447
ext. citations

7.7
avg, IF

4.14
L-index

#	Paper	IF	Citations
18	LipidBlast in silico tandem mass spectrometry database for lipid identification. <i>Nature Methods</i> , 2013 , 10, 755-8	21.6	550
17	Mass Spectral Feature List Optimizer (MS-FLO): A Tool To Minimize False Positive Peak Reports in Untargeted Liquid Chromatography-Mass Spectroscopy (LC-MS) Data Processing. <i>Analytical Chemistry</i> , 2017 , 89, 3250-3255	7.8	85
16	Diacetylspermine Is a Novel Prediagnostic Serum Biomarker for Non-Small-Cell Lung Cancer and Has Additive Performance With Pro-Surfactant Protein B. <i>Journal of Clinical Oncology</i> , 2015 , 33, 3880-6	2.2	69
15	Metabolomic markers of altered nucleotide metabolism in early stage adenocarcinoma. <i>Cancer Prevention Research</i> , 2015 , 8, 410-8	3.2	59
14	Chronic, Intermittent Microdoses of the Psychedelic α -Dimethyltryptamine (DMT) Produce Positive Effects on Mood and Anxiety in Rodents. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 3261-3270	5.7	49
13	Investigation of metabolomic blood biomarkers for detection of adenocarcinoma lung cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2015 , 24, 1716-23	4	44
12	Integrated Metabolomics and Proteomics Highlight Altered Nicotinamide- and Polyamine Pathways in Lung Adenocarcinoma. <i>Carcinogenesis</i> , 2017 , 38, 271-280	4.6	42
11	Early PQQ supplementation has persistent long-term protective effects on developmental programming of hepatic lipotoxicity and inflammation in obese mice. <i>FASEB Journal</i> , 2017 , 31, 1434-1448	8.9	33
10	A metabolomics pipeline for the mechanistic interrogation of the gut microbiome. <i>Nature</i> , 2021 , 595, 415-420	50.4	32
9	Serum phosphatidylethanolamine levels distinguish benign from malignant solitary pulmonary nodules and represent a potential diagnostic biomarker for lung cancer. <i>Cancer Biomarkers</i> , 2016 , 16, 609-17	3.8	31
8	Proteomic profiling of lung adenocarcinoma indicates heightened DNA repair, antioxidant mechanisms and identifies LASP1 as a potential negative predictor of survival. <i>Clinical Proteomics</i> , 2016 , 13, 31	5	26
7	Metabolite-related dietary patterns and the development of islet autoimmunity. <i>Scientific Reports</i> , 2019 , 9, 14819	4.9	19
6	Metabolomics-related nutrient patterns at seroconversion and risk of progression to type 1 diabetes. <i>Pediatric Diabetes</i> , 2020 , 21, 1202-1209	3.6	5
5	Rapid LC-MS/MS quantification of cancer related acetylated polyamines in human biofluids. <i>Talanta</i> , 2019 , 196, 415-419	6.2	5
4	Predictors of oxylipins in a healthy pediatric population. <i>Pediatric Research</i> , 2021 , 89, 1530-1540	3.2	3
3	Utilizing cooled liquid chromatography and chemical derivatization to separate and quantify C3-epimers of 25-hydroxy vitamin D and low abundant 1 α ,25(OH) $_2$ D $_3$: Application in a pediatric population. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020 , 197, 105519	5.1	2
2	The oxylipin profile is associated with development of type 1 diabetes: the Diabetes Autoimmunity Study in the Young (DAISY). <i>Diabetologia</i> , 2021 , 64, 1785-1794	10.3	2

1 A metabolomics pipeline enables mechanistic interrogation of the gut microbiome

1