

Alesia Walker

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.

28
papers

1,423
citations

15
h-index

30
g-index

30
ext. papers

1,878
ext. citations

7.3
avg, IF

4.13
L-index

#	Paper	IF	Citations
28	High-fat diet alters gut microbiota physiology in mice. <i>ISME Journal</i> , 2014 , 8, 295-308	11.9	393
27	Oral versus intravenous iron replacement therapy distinctly alters the gut microbiota and metabolome in patients with IBD. <i>Gut</i> , 2017 , 66, 863-871	19.2	160
26	The Microbial Metabolite Butyrate Induces Expression of Th1-Associated Factors in CD4 T Cells. <i>Frontiers in Immunology</i> , 2017 , 8, 1036	8.4	111
25	Dietary fat and gut microbiota interactions determine diet-induced obesity in mice. <i>Molecular Metabolism</i> , 2016 , 5, 1162-1174	8.8	108
24	Metabolic Functions of Gut Microbes Associate With Efficacy of Tumor Necrosis Factor Antagonists in Patients With Inflammatory Bowel Diseases. <i>Gastroenterology</i> , 2019 , 157, 1279-1292.e11	13.3	101
23	Challenges of metabolomics in human gut microbiota research. <i>International Journal of Medical Microbiology</i> , 2016 , 306, 266-279	3.7	91
22	Distinct signatures of host-microbial meta-metabolome and gut microbiome in two C57BL/6 strains under high-fat diet. <i>ISME Journal</i> , 2014 , 8, 2380-96	11.9	87
21	Manganese leads to an increase in markers of oxidative stress as well as to a shift in the ratio of Fe(II)/(III) in rat brain tissue. <i>Metallomics</i> , 2014 , 6, 921-31	4.5	70
20	Synbiotic-driven improvement of metabolic disturbances is associated with changes in the gut microbiome in diet-induced obese mice. <i>Molecular Metabolism</i> , 2019 , 22, 96-109	8.8	62
19	Sulfonolipids as novel metabolite markers of Alistipes and Odoribacter affected by high-fat diets. <i>Scientific Reports</i> , 2017 , 7, 11047	4.9	52
18	Dietary non-fermentable fiber prevents autoimmune neurological disease by changing gut metabolic and immune status. <i>Scientific Reports</i> , 2018 , 8, 10431	4.9	44
17	Importance of sulfur-containing metabolites in discriminating fecal extracts between normal and type-2 diabetic mice. <i>Journal of Proteome Research</i> , 2014 , 13, 4220-31	5.6	24
16	Development and application of a HILIC UHPLC-MS method for polar fecal metabolome profiling. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019 , 1109, 142-148	3.2	19
15	Changes in Brain Metallome/Metabolome Pattern due to a Single i.v. Injection of Manganese in Rats. <i>PLoS ONE</i> , 2015 , 10, e0138270	3.7	19
14	Taste modulating N-(1-methyl-4-oxoimidazolidin-2-ylidene) amino acids formed from creatinine and reducing carbohydrates. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 8366-74	5.7	16
13	Diverse Serum Manganese Species Affect Brain Metabolites Depending on Exposure Conditions. <i>Chemical Research in Toxicology</i> , 2015 , 28, 1434-42	4	15
12	Disturbed gut microbiota and bile homeostasis in -infected mice contributes to metabolic dysregulation and growth impairment. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	12

11	Dietary cellulose induces anti-inflammatory immunity and transcriptional programs via maturation of the intestinal microbiota. <i>Gut Microbes</i> , 2020 , 12, 1-17	8.8	11
10	Milk-Derived Amadori Products in Feces of Formula-Fed Infants. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 8061-8069	5.7	10
9	Metformin impacts cecal bile acid profiles in mice. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1083, 35-43	3.2	7
8	The role of fecal sulfur metabolome in inflammatory bowel diseases. <i>International Journal of Medical Microbiology</i> , 2021 , 311, 151513	3.7	4
7	Microbial regulation of hexokinase 2 links mitochondrial metabolism and cell death in colitis. <i>Cell Metabolism</i> , 2021 , 33, 2355-2366.e8	24.6	3
6	Longitudinal Profiles of Dietary and Microbial Metabolites in Formula- and Breastfed Infants. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 660456	5.6	2
5	Metabolomics in GI disease and the influence of the gut microbiome on host metabolism 2014 , 84-95		1
4	Longitudinal profiles of dietary and microbial metabolites in formula- and breastfed infants		1
3	Molecular characterization of sequence-driven peptide glycation. <i>Scientific Reports</i> , 2021 , 11, 13294	4.9	0
2	Exploring the mechanism of Mn-induced dopaminergic injury. <i>Perspectives in Science</i> , 2015 , 3, 36-37	0.8	
1	Revolution in der Diabetesdiagnostik dank -omics - Biomarker mittels Metabolomics. <i>Diabetes Aktuell</i> , 2012 , 10, 129-133	0	