

# Alesia Walker

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3102695/alesia-walker-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Microbial regulation of hexokinase 2 links mitochondrial metabolism and cell death in colitis. <i>Cell Metabolism</i> , <b>2021</b> , 33, 2355-2366.e8	24.6	3
27	Longitudinal Profiles of Dietary and Microbial Metabolites in Formula- and Breastfed Infants. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 660456	5.6	2
26	Molecular characterization of sequence-driven peptide glycation. <i>Scientific Reports</i> , <b>2021</b> , 11, 13294	4.9	0
25	The role of fecal sulfur metabolome in inflammatory bowel diseases. <i>International Journal of Medical Microbiology</i> , <b>2021</b> , 311, 151513	3.7	4
24	Disturbed gut microbiota and bile homeostasis in -infected mice contributes to metabolic dysregulation and growth impairment. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	12
23	Dietary cellulose induces anti-inflammatory immunity and transcriptional programs via maturation of the intestinal microbiota. <i>Gut Microbes</i> , <b>2020</b> , 12, 1-17	8.8	11
22	Metabolic Functions of Gut Microbes Associate With Efficacy of Tumor Necrosis Factor Antagonists in Patients With Inflammatory Bowel Diseases. <i>Gastroenterology</i> , <b>2019</b> , 157, 1279-1292.e11	13.3	101
21	Milk-Derived Amadori Products in Feces of Formula-Fed Infants. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 8061-8069	5.7	10
20	Synbiotic-driven improvement of metabolic disturbances is associated with changes in the gut microbiome in diet-induced obese mice. <i>Molecular Metabolism</i> , <b>2019</b> , 22, 96-109	8.8	62
19	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> , <b>2019</b> , 1109, 142-148	3.2	19
18	Metformin impacts cecal bile acid profiles in mice. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2018</b> , 1083, 35-43	3.2	7
17	Dietary non-fermentable fiber prevents autoimmune neurological disease by changing gut metabolic and immune status. <i>Scientific Reports</i> , <b>2018</b> , 8, 10431	4.9	44
16	Oral versus intravenous iron replacement therapy distinctly alters the gut microbiota and metabolome in patients with IBD. <i>Gut</i> , <b>2017</b> , 66, 863-871	19.2	160
15	Sulfonolipids as novel metabolite markers of Alistipes and Odoribacter affected by high-fat diets. <i>Scientific Reports</i> , <b>2017</b> , 7, 11047	4.9	52
14	The Microbial Metabolite Butyrate Induces Expression of Th1-Associated Factors in CD4 T Cells. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1036	8.4	111
13	Dietary fat and gut microbiota interactions determine diet-induced obesity in mice. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 1162-1174	8.8	108
12	Challenges of metabolomics in human gut microbiota research. <i>International Journal of Medical Microbiology</i> , <b>2016</b> , 306, 266-279	3.7	91

11	Exploring the mechanism of Mn-induced dopaminergic injury. <i>Perspectives in Science</i> , <b>2015</b> , 3, 36-37	0.8	
10	Diverse Serum Manganese Species Affect Brain Metabolites Depending on Exposure Conditions. <i>Chemical Research in Toxicology</i> , <b>2015</b> , 28, 1434-42	4	15
9	Changes in Brain Metallome/Metabolome Pattern due to a Single i.v. Injection of Manganese in Rats. <i>PLoS ONE</i> , <b>2015</b> , 10, e0138270	3.7	19
8	Importance of sulfur-containing metabolites in discriminating fecal extracts between normal and type-2 diabetic mice. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 4220-31	5.6	24
7	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> , <b>2014</b> , 6, 921-31	4.5	70
6	Distinct signatures of host-microbial meta-metabolome and gut microbiome in two C57BL/6 strains under high-fat diet. <i>ISME Journal</i> , <b>2014</b> , 8, 2380-96	11.9	87
5	Metabolomics in GI disease and the influence of the gut microbiome on host metabolism <b>2014</b> , 84-95		1
4	High-fat diet alters gut microbiota physiology in mice. <i>ISME Journal</i> , <b>2014</b> , 8, 295-308	11.9	393
3	Revolution in der Diabetesdiagnostik dank -omics - Biomarker mittels Metabolomics. <i>Diabetes Aktuell</i> , <b>2012</b> , 10, 129-133	0	
2	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> , <b>2011</b> , 59, 8366-74	5.7	16
1	Longitudinal profiles of dietary and microbial metabolites in formula- and breastfed infants		1