

# Valentina Tremaroli

## 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.

58  
papers

13,586  
citations

34  
h-index

64  
g-index

64  
ext. papers

17,456  
ext. citations

16.5  
avg, IF

6.66  
L-index

#	Paper	IF	Citations
58	Functional interactions between the gut microbiota and host metabolism. <i>Nature</i> , <b>2012</b> , 489, 242-9	50.4	2716
57	Gut metagenome in European women with normal, impaired and diabetic glucose control. <i>Nature</i> , <b>2013</b> , 498, 99-103	50.4	1715
56	Dynamics and Stabilization of the Human Gut Microbiome during the First Year of Life. <i>Cell Host and Microbe</i> , <b>2015</b> , 17, 690-703	23.4	1367
55	Metformin alters the gut microbiome of individuals with treatment-naive type 2 diabetes, contributing to the therapeutic effects of the drug. <i>Nature Medicine</i> , <b>2017</b> , 23, 850-858	50.5	732
54	FXR is a molecular target for the effects of vertical sleeve gastrectomy. <i>Nature</i> , <b>2014</b> , 509, 183-8	50.4	692
53	Human oral, gut, and plaque microbiota in patients with atherosclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108 Suppl 1, 4592-8	11.5	679
52	Symptomatic atherosclerosis is associated with an altered gut metagenome. <i>Nature Communications</i> , <b>2012</b> , 3, 1245	17.4	666
51	Crosstalk between Gut Microbiota and Dietary Lipids Aggravates WAT Inflammation through TLR Signaling. <i>Cell Metabolism</i> , <b>2015</b> , 22, 658-68	24.6	562
50	Roux-en-Y Gastric Bypass and Vertical Banded Gastroplasty Induce Long-Term Changes on the Human Gut Microbiome Contributing to Fat Mass Regulation. <i>Cell Metabolism</i> , <b>2015</b> , 22, 228-38	24.6	489
49	Intestinal permeability, gut-bacterial dysbiosis, and behavioral markers of alcohol-dependence severity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E4485-93	11.5	455
48	The gut microbiota regulates bone mass in mice. <i>Journal of Bone and Mineral Research</i> , <b>2012</b> , 27, 1357-66	7.3	412
47	A catalog of the mouse gut metagenome. <i>Nature Biotechnology</i> , <b>2015</b> , 33, 1103-8	44.5	295
46	Assessing the human gut microbiota in metabolic diseases. <i>Diabetes</i> , <b>2013</b> , 62, 3341-9	0.9	289
45	Analysis of gut microbial regulation of host gene expression along the length of the gut and regulation of gut microbial ecology through MyD88. <i>Gut</i> , <b>2012</b> , 61, 1124-31	19.2	261
44	Depicting the composition of gut microbiota in a population with varied ethnic origins but shared geography. <i>Nature Medicine</i> , <b>2018</b> , 24, 1526-1531	50.5	247
43	Aberrant intestinal microbiota in individuals with prediabetes. <i>Diabetologia</i> , <b>2018</b> , 61, 810-820	10.3	163
42	Metabolic effects of <i>Lactobacillus reuteri</i> DSM 17938 in people with type 2 diabetes: A randomized controlled trial. <i>Diabetes, Obesity and Metabolism</i> , <b>2017</b> , 19, 579-589	6.7	129

41	Comparing bioinformatic pipelines for microbial 16S rRNA amplicon sequencing. <i>PLoS ONE</i> , <b>2020</b> , 15, e0227434	3.7	101
40	Statin therapy is associated with lower prevalence of gut microbiota dysbiosis. <i>Nature</i> , <b>2020</b> , 581, 310-315	5.4	100
39	Linking Microbiota to Human Diseases: A Systems Biology Perspective. <i>Trends in Endocrinology and Metabolism</i> , <b>2015</b> , 26, 758-770	8.8	98
38	Metabolomic investigation of the bacterial response to a metal challenge. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 719-28	4.8	93
37	The gut microbiota and mucosal homeostasis: colonized at birth or at adulthood, does it matter?. <i>Gut Microbes</i> , <b>2013</b> , 4, 118-24	8.8	80
36	Chromosomal antioxidant genes have metal ion-specific roles as determinants of bacterial metal tolerance. <i>Environmental Microbiology</i> , <b>2009</b> , 11, 2491-509	5.2	80
35	Differential metabolic effects of oral butyrate treatment in lean versus metabolic syndrome subjects. <i>Clinical and Translational Gastroenterology</i> , <b>2018</b> , 9, 155	4.2	78
34	Oral microbiota in patients with atherosclerosis. <i>Atherosclerosis</i> , <b>2015</b> , 243, 573-8	3.1	68
33	Evidence for a tellurite-dependent generation of reactive oxygen species and absence of a tellurite-mediated adaptive response to oxidative stress in cells of <i>Pseudomonas pseudoalcaligenes</i> KF707. <i>Archives of Microbiology</i> , <b>2007</b> , 187, 127-35	3	67
32	The Gut Microbiota in Prediabetes and Diabetes: A Population-Based Cross-Sectional Study. <i>Cell Metabolism</i> , <b>2020</b> , 32, 379-390.e3	24.6	62
31	Tellurite effects on <i>Rhodobacter capsulatus</i> cell viability and superoxide dismutase activity under oxidative stress conditions. <i>Research in Microbiology</i> , <b>2005</b> , 156, 807-13	4	59
30	Developmental trajectory of the healthy human gut microbiota during the first 5 years of life. <i>Cell Host and Microbe</i> , <b>2021</b> , 29, 765-776.e3	23.4	55
29	Diabetes-associated microbiota in fa/fa rats is modified by Roux-en-Y gastric bypass. <i>ISME Journal</i> , <b>2017</b> , 11, 2035-2046	11.9	37
28	Phenotypic and metabolic profiling of colony morphology variants evolved from <i>Pseudomonas fluorescens</i> biofilms. <i>Environmental Microbiology</i> , <b>2010</b> , 12, 1565-77	5.2	37
27	Insulin-like peptide 5 is a microbially regulated peptide that promotes hepatic glucose production. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 263-270	8.8	36
26	Tolerance of <i>Pseudomonas pseudoalcaligenes</i> KF707 to metals, polychlorobiphenyls and chlorobenzoates: effects on chemotaxis-, biofilm- and planktonic-grown cells. <i>FEMS Microbiology Ecology</i> , <b>2010</b> , 74, 291-301	4.3	36
25	Integration of molecular profiles in a longitudinal wellness profiling cohort. <i>Nature Communications</i> , <b>2020</b> , 11, 4487	17.4	32
24	T-RFLP analysis of bacterial communities in cyclodextrin-amended bioreactors developed for biodegradation of polychlorinated biphenyls. <i>Research in Microbiology</i> , <b>2005</b> , 156, 201-10	4	28

23	A role for the gut microbiota in energy harvesting?. <i>Gut</i> , <b>2010</b> , 59, 1589-90	19.2	24
22	Host-microbiota interaction induces bi-phasic inflammation and glucose intolerance in mice. <i>Molecular Metabolism</i> , <b>2017</b> , 6, 1371-1380	8.8	22
21	Effects of a Vegetarian Diet on Cardiometabolic Risk Factors, Gut Microbiota, and Plasma Metabolome in Subjects With Ischemic Heart Disease: A Randomized, Crossover Study. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e016518	6	20
20	Gut microbiota of obese subjects with Prader-Willi syndrome is linked to metabolic health. <i>Gut</i> , <b>2020</b> , 69, 1229-1238	19.2	19
19	A histidine-kinase cheA gene of <i>Pseudomonas pseudoalcaligenes</i> KF707 not only has a key role in chemotaxis but also affects biofilm formation and cell metabolism. <i>Biofouling</i> , <b>2011</b> , 27, 33-46	3.3	18
18	<i>Pseudomonas pseudoalcaligenes</i> KF707 upon biofilm formation on a polystyrene surface acquire a strong antibiotic resistance with minor changes in their tolerance to metal cations and metalloids. <i>Archives of Microbiology</i> , <b>2008</b> , 190, 29-39	3	17
17	The Gut Microbiota <b>2013</b> , 3-24		14
16	Propionate attenuates atherosclerosis by immune-dependent regulation of intestinal cholesterol metabolism. <i>European Heart Journal</i> , <b>2021</b> ,	9.5	13
15	Glucose-lowering effects and mechanisms of the bile acid-sequestering resin sevelamer. <i>Diabetes, Obesity and Metabolism</i> , <b>2018</b> , 20, 1623-1631	6.7	11
14	Combinatorial, additive and dose-dependent drug-microbiome associations. <i>Nature</i> , <b>2021</b> ,	50.4	11
13	Liver tissue microbiome in NAFLD: next step in understanding the gut-liver axis?. <i>Gut</i> , <b>2020</b> , 69, 1373-1374	19.2	10
12	Diastereomeric bactericidal effect of Ru(phenanthroline) dipyridophenazine. <i>Chirality</i> , <b>2016</b> , 28, 713-720	2.1	10
11	Dietary Oat Bran Reduces Systemic Inflammation in Mice Subjected to Pelvic Irradiation. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	7
10	Dynamics of the normal gut microbiota: A longitudinal one-year population study in Sweden.. <i>Cell Host and Microbe</i> , <b>2022</b> ,	23.4	7
9	A systems biology approach to understand gut microbiota and host metabolism in morbid obesity: design of the BARIA Longitudinal Cohort Study. <i>Journal of Internal Medicine</i> , <b>2021</b> , 289, 340-354	10.8	6
8	Impairment of gut microbial biotin metabolism and host biotin status in severe obesity: effect of biotin and prebiotic supplementation on improved metabolism.. <i>Gut</i> , <b>2022</b> ,	19.2	5
7	Therapeutic Potential of Butyrate for Treatment of Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , <b>2021</b> , 12, 761834	5.7	4
6	Microbiome and metabolome features of the cardiometabolic disease spectrum.. <i>Nature Medicine</i> , <b>2022</b> ,	50.5	4

5	Differences in gut microbiota composition in metabolic syndrome and type 2 diabetes subjects in a multi-ethnic population: the HELIUS study. <i>Proceedings of the Nutrition Society</i> , <b>2020</b> , 79,	2.9	3
4	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
3	Distinct differences in gut microbial composition and functional potential from lean to morbidly obese subjects. <i>Journal of Internal Medicine</i> , <b>2020</b> , 288, 699-710	10.8	2
2	Anorexia and Fat Aversion Induced by Vertical Sleeve Gastrectomy Is Attenuated in Neurotensin Receptor 1-Deficient Mice. <i>Endocrinology</i> , <b>2021</b> , 162,	4.8	2
1	Amendments: Author Correction: A catalog of the mouse gut metagenome. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 102	44.5	