

# CITATION REPORT

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**Gut microbiota from twins discordant for obesity modulate metabolism in mice**

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#	Paper	IF	Citations
2316	Microbiology. Fighting obesity with bacteria. <i>Science</i> , <b>2013</b> , 341, 1069-70	33.3	63
2315	Microbiology. Genomes from metagenomics. <i>Science</i> , <b>2013</b> , 342, 1057-8	33.3	112
2314	Genomic and epigenomic regulation of adipose tissue inflammation in obesity. <b>2013</b> , 24, 625-34		32
2313	The microbiome-gut-brain axis: a new frontier for allergy. <b>2013</b> , 22, 556-558		
2312	Need for prospective cohort studies to establish human gut microbiome contributions to disease risk. <b>2013</b> , 105, 1850-1		10
2311	Frequent replenishment sustains the beneficial microbiome of <i>Drosophila melanogaster</i> . <b>2013</b> , 4, e00860-13		200
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2309	Slimming down via the microbiota. <b>2013</b> , 19, 1374-5		1
2308	Obesity in the United States - dysbiosis from exposure to low-dose antibiotics?. <b>2013</b> , 1, 69		66
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2304	Should we build "obese" or "lean" anaerobic digesters?. <b>2014</b> , 9, e97252		18
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2098	MAFG is a transcriptional repressor of bile acid synthesis and metabolism. <b>2015</b> , 21, 298-311	58
2097	GrammR: graphical representation and modeling of count data with application in metagenomics. <b>2015</b> , 31, 1648-54	10
2096	Weight gain after fecal microbiota transplantation. <b>2015</b> , 2, ofv004	272
2095	Perturbations of tyrosine metabolism promote the indolepyruvate pathway via tryptophan in host and microbiome. <b>2015</b> , 114, 431-7	33
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2092	The role of gut microbiota in the development of type 1, type 2 diabetes mellitus and obesity. <b>2015</b> , 16, 55-65	157
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2089	Divergence across diet, time and populations rules out parallel evolution in the gut microbiomes of Trinidadian guppies. <b>2015</b> , 9, 1508-22	85
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2084	Diet-induced obesity causes metabolic impairment independent of alterations in gut barrier integrity. <b>2015</b> , 59, 968-78	28

2083	New insights into gestational glucose metabolism: lessons learned from 21st century approaches. <b>2015</b> , 64, 327-34	82
2082	Altered gut microbial energy and metabolism in children with non-alcoholic fatty liver disease. <b>2015</b> , 91, 1-9	158
2081	Dietary effects on human gut microbiome diversity. <b>2015</b> , 113 Suppl, S1-5	256
2080	Metabolomics in the developmental origins of obesity and its cardiometabolic consequences. <b>2015</b> , 6, 65-78	35
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2071	Physiology and pathophysiology of liver lipid metabolism. <b>2015</b> , 9, 1055-67	50
2070	Microbes & neurodevelopment--Absence of microbiota during early life increases activity-related transcriptional pathways in the amygdala. <b>2015</b> , 50, 209-220	160
2069	Dietary Modulation of Gut Microbiota Contributes to Alleviation of Both Genetic and Simple Obesity in Children. <b>2015</b> , 2, 968-84	198
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2066	Bile diversion to the distal small intestine has comparable metabolic benefits to bariatric surgery. <b>2015</b> , 6, 7715	132

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2064	Animal Models in Biomedical Research. <b>2015</b> , 1497-1534	2
2063	Dietary saponins from four popular herbal tea exert prebiotic-like effects on gut microbiota in C57BL/6 mice. <b>2015</b> , 17, 892-902	37
2062	Engineered bacteria as therapeutic agents. <b>2015</b> , 35, 94-102	63
2061	The role of short chain fatty acids in appetite regulation and energy homeostasis. <b>2015</b> , 39, 1331-8	329
2060	Rehmannia glutinosa reduced waist circumferences of Korean obese women possibly through modulation of gut microbiota. <b>2015</b> , 6, 2684-92	24
2059	The Influence of the Gut Microbiome on Obesity, Metabolic Syndrome and Gastrointestinal Disease. <b>2015</b> , 6, e91	141
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2055	Gut microbiome, gut function, and probiotics: Implications for health. <b>2015</b> , 34, 93-107	19
2054	Weight Loss and the Prevention and Treatment of Type 2 Diabetes Using Lifestyle Therapy, Pharmacotherapy, and Bariatric Surgery: Mechanisms of Action. <b>2015</b> , 4, 287-302	63
2053	Integrated metabolomics and genomics: systems approaches to biomarkers and mechanisms of cardiovascular disease. <b>2015</b> , 8, 410-9	55
2052	A day in the life of the meta-organism: diurnal rhythms of the intestinal microbiome and its host. <b>2015</b> , 6, 137-42	40
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2048	Role of Intestinal Microbiome in Lipid and Glucose Metabolism in Diabetes Mellitus. <b>2015</b> , 37, 1172-7	34



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2044	Natural environments, ancestral diets, and microbial ecology: is there a modern "paleo-deficit disorder"? Part II. <b>2015</b> , 34, 9	18
2043	Effects of diurnal variation of gut microbes and high-fat feeding on host circadian clock function and metabolism. <b>2015</b> , 17, 681-9	440
2042	Microbiota—implications for immunity and transplantation. <b>2015</b> , 11, 342-53	36
2041	Where next for microbiome research?. <b>2015</b> , 13, e1002050	97
2040	Type 2 diabetes and gut microbiome: at the intersection of known and unknown. <b>2015</b> , 6, 85-92	68
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2038	TLR4 at the Crossroads of Nutrients, Gut Microbiota, and Metabolic Inflammation. <b>2015</b> , 36, 245-71	168
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2036	Functional characterization of IgA-targeted bacterial taxa from undernourished Malawian children that produce diet-dependent enteropathy. <b>2015</b> , 7, 276ra24	213
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2034	Nutri(meta)genetics and cardiovascular disease: novel concepts in the interaction of diet and genomic variation. <b>2015</b> , 17, 505	9
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2031	Fecal microbiota transplant to treat recurrent <i>Clostridium difficile</i> infections. <b>2015</b> , 35, 51-64; quiz 65	15
2030	Diosgenin, 4-hydroxyisoleucine, and fiber from fenugreek: mechanisms of actions and potential effects on metabolic syndrome. <b>2015</b> , 6, 189-97	67

2029	Unraveling interactions in microbial communities - from co-cultures to microbiomes. <b>2015</b> , 53, 295-305	45
2028	The perinatal microbiome and pregnancy: moving beyond the vaginal microbiome. <b>2015</b> , 5,	63
2027	Metabolism links bacterial biofilms and colon carcinogenesis. <b>2015</b> , 21, 891-7	201
2026	Towards a more comprehensive concept for prebiotics. <b>2015</b> , 12, 303-10	490
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2023	The relationship between obesity and type 2 diabetes—the role of gut factors. <b>2015</b> , 467-478	
2022	Potential anti-obesogenic properties of non-digestible carbohydrates: specific focus on resistant dextrin. <b>2015</b> , 74, 258-67	9
2021	Gut Microbiome and Obesity: A Plausible Explanation for Obesity. <b>2015</b> , 4, 250-61	106
2020	Intermittent Fasting and Human Metabolic Health. <b>2015</b> , 115, 1203-12	153
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2008	Obesity and inflammatory arthritis: impact on occurrence, disease characteristics and therapeutic response. <b>2015</b> , 1, e000012	42
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2005	Discovery of nutritional biomarkers: future directions based on omics technologies. <b>2015</b> , 66 Suppl 1, S31-40	18
2004	Genetic and environmental control of host-gut microbiota interactions. <b>2015</b> , 25, 1558-69	199
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1994	Functional metagenomic discovery of bacterial effectors in the human microbiome and isolation of commendamide, a GPCR G2A/132 agonist. <b>2015</b> , 112, E4825-34	103

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1981	Study of the microbiome of the intestine of the <i>Comephorus dybowski korotneff</i> , 1904. <b>2015</b> , 42, 463-469	4
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1971	Effects of targeted delivery of propionate to the human colon on appetite regulation, body weight maintenance and adiposity in overweight adults. <b>2015</b> , 64, 1744-54	654
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1956	Prenatal exposure to antibiotics, cesarean section and risk of childhood obesity. <b>2015</b> , 39, 665-70	280
1955	The Obesities: An Overview of Convergent and Divergent Paradigms. <b>2016</b> , 10, 84-96	9
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1672	Engineering bacterial thiosulfate and tetrathionate sensors for detecting gut inflammation. <b>2017</b> , 13, 923	112
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1667	Health and Disease Imprinted in the Time Variability of the Human Microbiome. <b>2017</b> , 2,	30
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1461	Microbiota and metabolic diseases. <b>2018</b> , 61, 357-371	162
1460	Studying microbial functionality within the gut ecosystem by systems biology. <b>2018</b> , 13, 5	25
1459	Modulations in the offspring gut microbiome are refractory to postnatal synbiotic supplementation among juvenile primates. <b>2018</b> , 18, 28	17
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1457	Tributyltin exposure induces gut microbiome dysbiosis with increased body weight gain and dyslipidemia in mice. <b>2018</b> , 60, 202-208	22
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1455	Insights into the role of gut microbiota in obesity: pathogenesis, mechanisms, and therapeutic perspectives. <b>2018</b> , 9, 397-403	124
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1452	Relationship between diet, the gut microbiota, and brain function. <b>2018</b> , 76, 603-617	27
1451	Cardiovascular Metabolomics. <b>2018</b> , 122, 1238-1258	144
1450	Diet, gut microbiota composition and feeding behavior. <b>2018</b> , 192, 177-181	14
1449	Synthetic Biology Approaches to Engineer Probiotics and Members of the Human Microbiota for Biomedical Applications. <b>2018</b> , 20, 277-300	56
1448	Chronic exposure to low concentrations of lead induces metabolic disorder and dysbiosis of the gut microbiota in mice. <b>2018</b> , 631-632, 439-448	83
1447	Effects of sleeve gastrectomy on the composition and diurnal oscillation of gut microbiota related to the metabolic improvements. <b>2018</b> , 14, 731-739	9
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1445	Gut microbiota analysis of juvenile genetically improved farmed tilapia ( <i>Oreochromis niloticus</i> ) by dietary supplementation of different resveratrol concentrations. <b>2018</b> , 77, 200-207	22
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1439	<i>Antrodia cinnamomea</i> reduces obesity and modulates the gut microbiota in high-fat diet-fed mice. <b>2018</b> , 42, 231-243	53
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1437	Microbial Impact on Host Metabolism: Opportunities for Novel Treatments of Nutritional Disorders?. <b>2017</b> , 5,	23
1436	Microbiota-Host Transgenomic Metabolism, Bioactive Molecules from the Inside. <b>2018</b> , 61, 47-61	47

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1434	Premastication and length for age among children under 24 months in Laos. <b>2018</b> , 14,	2
1433	Male-specific Association Between Fat-Free Mass Index and Fecal Microbiota in 2- to 3-Year-Old Australian Children. <b>2018</b> , 66, 147-151	9
1432	Gut Microbiota Contribute to Age-Related Changes in Skeletal Muscle Size, Composition, and Function: Biological Basis for a Gut-Muscle Axis. <b>2018</b> , 102, 433-442	140
1431	Ophiopogonin D alleviates high-fat diet-induced metabolic syndrome and changes the structure of gut microbiota in mice. <b>2018</b> , 32, 1139-1153	23
1430	Gut microbiota and obesity: Concepts relevant to clinical care. <b>2018</b> , 48, 18-24	65
1429	Decaffeinated green and black tea polyphenols decrease weight gain and alter microbiome populations and function in diet-induced obese mice. <b>2018</b> , 57, 2759-2769	110
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1426	Characterization of the Stool Microbiome in Hispanic Preschool Children by Weight Status and Time. <b>2018</b> , 14, 122-130	14
1425	Back to the future in a petri dish: Origin and impact of resurrected microbes in natural populations. <b>2018</b> , 11, 29-41	22
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1422	Harnessing Gut Microbes for Mental Health: Getting From Here to There. <b>2018</b> , 83, 214-223	94
1421	Microbe-mitochondrion crosstalk and health: An emerging paradigm. <b>2018</b> , 39, 20-25	28
1420	Beyond gut feelings: how the gut microbiota regulates blood pressure. <b>2018</b> , 15, 20-32	177
1419	Lipoproteins and Cardiovascular Redox Signaling: Role in Atherosclerosis and Coronary Disease. <b>2018</b> , 29, 337-352	7
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1417	Women and Their Microbes: The Unexpected Friendship. <b>2018</b> , 26, 16-32	96
1416	The utility of twins in developmental cognitive neuroscience research: How twins strengthen the ABCD research design. <b>2018</b> , 32, 30-42	33
1415	Metabolic Biomarkers in Heart Failure. <b>2018</b> , 14, 109-118	29
1414	Role of Bile Acids in Metabolic Control. <b>2018</b> , 29, 31-41	178
1413	Gut Microbiota and Host Juvenile Growth. <b>2018</b> , 102, 387-405	20
1412	Co-occurrence of early gut colonization in neonatal piglets with microbiota in the maternal and surrounding delivery environments. <b>2018</b> , 49, 30-40	47
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1408	Acute oral sodium propionate supplementation raises resting energy expenditure and lipid oxidation in fasted humans. <b>2018</b> , 20, 1034-1039	49
1407	Body size phenotypes comprehensively assess cardiometabolic risk and refine the association between obesity and gut microbiota. <b>2018</b> , 42, 424-432	29
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1405	Exposure to the fungicide propamocarb causes gut microbiota dysbiosis and metabolic disorder in mice. <b>2018</b> , 237, 775-783	58
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1403	Microbiota and HDL metabolism. <b>2018</b> , 29, 18-23	13
1402	Further Reading. <b>2018</b> , 455-508	
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1400	Nanosized food additives impact beneficial and pathogenic bacteria in the human gut: a simulated gastrointestinal study. <b>2018</b> , 2, 22	27

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1394	Potential Prebiotic Properties of Nuts and Edible Seeds and Their Relationship to Obesity. <b>2018</b> , 10,	24
1393	The Role of Microbiome in Insomnia, Circadian Disturbance and Depression. <b>2018</b> , 9, 669	86
1392	Association of Elective and Emergency Cesarean Delivery With Early Childhood Overweight at 12 Months of Age. <b>2018</b> , 1, e185025	23
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1380	The hindgut microbiota of praying mantids is highly variable and includes both prey-associated and host-specific microbes. <b>2018</b> , 13, e0208917	4
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1376	Development of the Gut Microbiome in Children, and Lifetime Implications for Obesity and Cardiometabolic Disease. <b>2018</b> , 5,	36
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1374	The Equine Gastrointestinal Microbiome: Impacts of Age and Obesity. <b>2018</b> , 9, 3017	27
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1367	A Metabolomic-Based Evaluation of the Role of Commensal Microbiota throughout the Gastrointestinal Tract in Mice. <b>2018</b> , 6,	18
1366	Introductory Overview of Statistical Analysis of Microbiome Data. <b>2018</b> , 43-75	5
1365	Alterations in branched-chain amino acid kinetics in nonobese but insulin-resistant Asian men. <b>2018</b> , 108, 1220-1228	7
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1362	Supplemental Bacillus subtilis DSM 32315 manipulates intestinal structure and microbial composition in broiler chickens. <b>2018</b> , 8, 15358	51
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1360	[Long-term dietary nitrite and nitrate deficiency causes metabolic syndrome, endothelial dysfunction, and cardiovascular death in mice]. <b>2018</b> , 151, 148-154	4
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1357	Microbially Produced Imidazole Propionate Impairs Insulin Signaling through mTORC1. <b>2018</b> , 175, 947-961.e17	267
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1349	Nuclear receptors and liver disease: Summary of the 2017 basic research symposium. <b>2018</b> , 2, 765-777	11
1348	Disentangling Host-Microbiota Regulation of Lipid Secretion by Enterocytes: Insights from Commensals and. <b>2018</b> , 9,	18
1347	One Health Relationships Between Human, Animal, and Environmental Microbiomes: A Mini-Review. <b>2018</b> , 6, 235	67
1346	Mannose Alters Gut Microbiome, Prevents Diet-Induced Obesity, and Improves Host Metabolism. <b>2018</b> , 24, 3087-3098	66

1345	Antibiotic treatment of rat dams affects bacterial colonization and causes decreased weight gain in pups. <b>2018</b> , 1, 145	8
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1335	Modulation of the immune system by the gut microbiota in the development of type 1 diabetes. <b>2018</b> , 14, 2580-2596	9
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1331	Calcium Oxalate Urolithiasis: A Case of Missing Microbes?. <b>2018</b> , 32, 995-1005	16
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1329	Pathways and mechanisms linking dietary components to cardiometabolic disease: thinking beyond calories. <b>2018</b> , 19, 1205-1235	37
1328	The Neuroendocrinology of the Microbiota-Gut-Brain Axis: A Behavioural Perspective. <b>2018</b> , 51, 80-101	122



1327	Nanomaterial-microbe cross-talk: physicochemical principles and (patho)biological consequences. <b>2018</b> , 47, 5312-5337	39
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1325	Best practices for analysing microbiomes. <b>2018</b> , 16, 410-422	668
1324	Gut Microbiota and Human Health: Insights From Ecological Restoration. <b>2018</b> , 93, 73-90	8
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1322	Personalized Dietary Management of Overweight and Obesity Based on Measures of Insulin and Glucose. <b>2018</b> , 38, 245-272	37
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1314	Gut Microbiome and Metabolism. <b>2018</b> , 775-793	1
1313	Interactions of Gut Microbiota, Endotoxemia, Immune Function, and Diet in Exertional Heatstroke. <b>2018</b> , 2018, 5724575	25
1312	Molecular phenomics and metagenomics of hepatic steatosis in non-diabetic obese women. <b>2018</b> , 24, 1070-1080	276
1311	Maternal omega-3 fatty acids regulate offspring obesity through persistent modulation of gut microbiota. <b>2018</b> , 6, 95	45
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1305	Fecal Transplantation. <b>2018</b> , 327-339	
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