

Matteo Serino

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.

56
papers

5,160
citations

32
h-index

71
g-index

71
ext. papers

6,478
ext. citations

7.9
avg, IF

5.25
L-index

#	Paper	IF	Citations
56	Intestinal permeability--a new target for disease prevention and therapy. <i>BMC Gastroenterology</i> , 2014 , 14, 189	3	810
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> , 2017 , 23, 850-858	50.5	732
54	Metabolic adaptation to a high-fat diet is associated with a change in the gut microbiota. <i>Gut</i> , 2012 , 61, 543-53	19.2	415
53	Molecular phenomics and metagenomics of hepatic steatosis in non-diabetic obese women. <i>Nature Medicine</i> , 2018 , 24, 1070-1080	50.5	276
52	Involvement of tissue bacteria in the onset of diabetes in humans: evidence for a concept. <i>Diabetologia</i> , 2011 , 54, 3055-61	10.3	213
51	The Gut Microbiota Regulates Intestinal CD4 T Cells Expressing ROR γ and Controls Metabolic Disease. <i>Cell Metabolism</i> , 2015 , 22, 100-12	24.6	175
50	Gut microbiota and diabetes: from pathogenesis to therapeutic perspective. <i>Acta Diabetologica</i> , 2011 , 48, 257-273	3.9	170
49	Changes in blood microbiota profiles associated with liver fibrosis in obese patients: A pilot analysis. <i>Hepatology</i> , 2016 , 64, 2015-2027	11.2	137
48	Circulating lipopolysaccharide-binding protein (LBP) as a marker of obesity-related insulin resistance. <i>International Journal of Obesity</i> , 2012 , 36, 1442-9	5.5	136
47	Timp3 deficiency in insulin receptor-haploinsufficient mice promotes diabetes and vascular inflammation via increased TNF-alpha. <i>Journal of Clinical Investigation</i> , 2005 , 115, 3494-505	15.9	122
46	Defective NOD2 peptidoglycan sensing promotes diet-induced inflammation, dysbiosis, and insulin resistance. <i>EMBO Molecular Medicine</i> , 2015 , 7, 259-74	12	118
45	Periodontitis induced by drives periodontal microbiota dysbiosis and insulin resistance via an impaired adaptive immune response. <i>Gut</i> , 2017 , 66, 872-885	19.2	107
44	Resveratrol increases glucose induced GLP-1 secretion in mice: a mechanism which contributes to the glycemic control. <i>PLoS ONE</i> , 2011 , 6, e20700	3.7	106
43	Galectin-3 ablation protects mice from diet-induced NASH: a major scavenging role for galectin-3 in liver. <i>Journal of Hepatology</i> , 2011 , 54, 975-83	13.4	98
42	Mice heterozygous for tumor necrosis factor-alpha converting enzyme are protected from obesity-induced insulin resistance and diabetes. <i>Diabetes</i> , 2007 , 56, 2541-6	0.9	94
41	Tissue inhibitor of metalloproteinase 3 deficiency causes hepatic steatosis and adipose tissue inflammation in mice. <i>Gastroenterology</i> , 2009 , 136, 663-72.e4	13.3	90
40	Gut Microbiota Interacts With Brain Microstructure and Function. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 4505-13	5.6	88

39	CD14 modulates inflammation-driven insulin resistance. <i>Diabetes</i> , 2011 , 60, 2179-86	0.9	78
38	Metagenome and metabolism: the tissue microbiota hypothesis. <i>Diabetes, Obesity and Metabolism</i> , 2013 , 15 Suppl 3, 61-70	6.7	77
37	Accelerated lipid-induced atherogenesis in galectin-3-deficient mice: role of lipoxidation via receptor-mediated mechanisms. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 831-6	9.4	76
36	A role for adipocyte-derived lipopolysaccharide-binding protein in inflammation- and obesity-associated adipose tissue dysfunction. <i>Diabetologia</i> , 2013 , 56, 2524-37	10.3	75
35	Gestational diabetes is associated with changes in placental microbiota and microbiome. <i>Pediatric Research</i> , 2016 , 80, 777-784	3.2	72
34	Far from the eyes, close to the heart: dysbiosis of gut microbiota and cardiovascular consequences. <i>Current Cardiology Reports</i> , 2014 , 16, 540	4.2	67
33	Metabolic endotoxemia directly increases the proliferation of adipocyte precursors at the onset of metabolic diseases through a CD14-dependent mechanism. <i>Molecular Metabolism</i> , 2013 , 2, 281-91	8.8	66
32	Intestinal microflora and metabolic diseases. <i>Diabetes and Metabolism</i> , 2009 , 35, 262-72	5.4	63
31	High-fat diet induces periodontitis in mice through lipopolysaccharides (LPS) receptor signaling: protective action of estrogens. <i>PLoS ONE</i> , 2012 , 7, e48220	3.7	49
30	Gut Microbiota Interacts with Markers of Adipose Tissue Browning, Insulin Action and Plasma Acetate in Morbid Obesity. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, 1700721	5.9	46
29	The gut microbiota ecology: a new opportunity for the treatment of metabolic diseases?. <i>Frontiers in Bioscience - Landmark</i> , 2009 , 14, 5107-17	2.8	43
28	The gut microbiota profile is associated with insulin action in humans. <i>Acta Diabetologica</i> , 2013 , 50, 753-61	6.1	39
27	A role for the gut-to-brain GLP-1-dependent axis in the control of metabolism. <i>Current Opinion in Pharmacology</i> , 2009 , 9, 744-52	5.1	37
26	Associations between hepatic miRNA expression, liver triacylglycerols and gut microbiota during metabolic adaptation to high-fat diet in mice. <i>Diabetologia</i> , 2017 , 60, 690-700	10.3	34
25	Transfer of dysbiotic gut microbiota has beneficial effects on host liver metabolism. <i>Molecular Systems Biology</i> , 2017 , 13, 921	12.2	32
24	Intestinal MicrobiOMICS to define health and disease in human and mice. <i>Current Pharmaceutical Biotechnology</i> , 2012 , 13, 746-58	2.6	32
23	Oral microbiota-induced periodontitis: a new risk factor of metabolic diseases. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2019 , 20, 449-459	10.5	29
22	SCFAs - the thin microbial metabolic line between good and bad. <i>Nature Reviews Endocrinology</i> , 2019 , 15, 318-319	15.2	25

21	Study of lactoferrin gene expression in human and mouse adipose tissue, human preadipocytes and mouse 3T3-L1 fibroblasts. Association with adipogenic and inflammatory markers. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 1266-75	6.3	24
20	Active thrombin produced by the intestinal epithelium controls mucosal biofilms. <i>Nature Communications</i> , 2019 , 10, 3224	17.4	22
19	Inflammation and insulin resistance exert dual effects on adipose tissue tumor protein 53 expression. <i>International Journal of Obesity</i> , 2014 , 38, 737-45	5.5	20
18	Adiponectin isoforms are not associated with the severity of coronary atherosclerosis but with undiagnosed diabetes in patients affected by stable CAD. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2009 , 19, 54-60	4.5	20
17	The Genotoxin Colibactin Shapes Gut Microbiota in Mice. <i>MSphere</i> , 2020 , 5,	5	15
16	Iron status influences non-alcoholic fatty liver disease in obesity through the gut microbiome. <i>Microbiome</i> , 2021 , 9, 104	16.6	15
15	Molecular Paths Linking Metabolic Diseases, Gut Microbiota Dysbiosis and Enterobacteria Infections. <i>Journal of Molecular Biology</i> , 2018 , 430, 581-590	6.5	14
14	Microbes on-air: gut and tissue microbiota as targets in type 2 diabetes. <i>Journal of Clinical Gastroenterology</i> , 2012 , 46 Suppl, S27-8	3	14
13	Young microbes for adult obesity. <i>Pediatric Obesity</i> , 2017 , 12, e28-e32	4.6	13
12	Periodontal dysbiosis linked to periodontitis is associated with cardiometabolic adaptation to high-fat diet in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 310, G1091-101	5.1	13
11	Managing the manager: gut microbes, stem cells and metabolism. <i>Diabetes and Metabolism</i> , 2014 , 40, 186-90	5.4	12
10	A Two-Week Treatment with Plant Extracts Changes Gut Microbiota, Caecum Metabolome, and Markers of Lipid Metabolism in ob/ob Mice. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1900403	5.9	9
9	Oral health and microbiota status in professional rugby players: A case-control study. <i>Journal of Dentistry</i> , 2018 , 79, 53-60	4.8	9
8	Microbiota medicine: towards clinical revolution.. <i>Journal of Translational Medicine</i> , 2022 , 20, 111	8.5	9
7	Lipid-induced peroxidation in the intestine is involved in glucose homeostasis imbalance in mice. <i>PLoS ONE</i> , 2011 , 6, e21184	3.7	7
6	Evolution of Gut Microbiome and Metabolome in Suspected Necrotizing Enterocolitis: A Case-Control Study. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	7
5	Structure function relationships in three lipids A from the <i>Ralstonia</i> genus rising in obese patients. <i>Biochimie</i> , 2019 , 159, 72-80	4.6	5
4	Intestinal gluconeogenesis shapes gut microbiota, fecal and urine metabolome in mice with gastric bypass surgery.. <i>Scientific Reports</i> , 2022 , 12, 1415	4.9	1

- 3 Gut microbiota and metabolic diseases: myth or reality?. *Mediterranean Journal of Nutrition and Metabolism*, **2011**, 4, 75-77 1,3
- 2 Gut microbiota and metabolic diseases: myth or reality?. *Mediterranean Journal of Nutrition and Metabolism*, **2010**, 4, 75-77 1,3
- 1 Flore intestinale: de nouveaux concepts pour la régulation du métabolisme énergétique. *Sang Thrombose Vaisseaux*, **2009**, 21, 322-333 3