

Satu Pekkala

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.

31
papers

946
citations

15
h-index

30
g-index

36
ext. papers

1,201
ext. citations

5.1
avg, IF

3.71
L-index

#	Paper	IF	Citations
31	Are skeletal muscle FNDC5 gene expression and irisin release regulated by exercise and related to health?. <i>Journal of Physiology</i> , 2013 , 591, 5393-400	3.9	170
30	Faecalibacterium prausnitzii treatment improves hepatic health and reduces adipose tissue inflammation in high-fat fed mice. <i>ISME Journal</i> , 2017 , 11, 1667-1679	11.9	98
29	Gut Microbiota Analysis Results Are Highly Dependent on the 16S rRNA Gene Target Region, Whereas the Impact of DNA Extraction Is Minor. <i>Journal of Biomolecular Techniques</i> , 2017 , 28, 19-30	1.1	87
28	Six-Week Endurance Exercise Alters Gut Metagenome That Is not Reflected in Systemic Metabolism in Over-weight Women. <i>Frontiers in Microbiology</i> , 2018 , 9, 2323	5.7	85
27	Women with and without metabolic disorder differ in their gut microbiota composition. <i>Obesity</i> , 2012 , 20, 1082-7	8	65
26	PGC-1 isoforms and their target genes are expressed differently in human skeletal muscle following resistance and endurance exercise. <i>Physiological Reports</i> , 2015 , 3, e12563	2.6	44
25	Toll-like receptor 5 in obesity: the role of gut microbiota and adipose tissue inflammation. <i>Obesity</i> , 2015 , 23, 581-90	8	43
24	Genetic, structural and biochemical basis of carbamoyl phosphate synthetase 1 deficiency. <i>Molecular Genetics and Metabolism</i> , 2010 , 101, 311-23	3.7	43
23	Insulin resistance is associated with altered amino acid metabolism and adipose tissue dysfunction in normoglycemic women. <i>Scientific Reports</i> , 2016 , 6, 24540	4.9	39
22	Serum osteocalcin is not associated with glucose but is inversely associated with leptin across generations of nondiabetic women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, 4106-14	5.6	38
21	Gut-adipose tissue axis in hepatic fat accumulation in humans. <i>Journal of Hepatology</i> , 2014 , 61, 132-8	13.4	36
20	Molecular characterization of carbamoyl-phosphate synthetase (CPS1) deficiency using human recombinant CPS1 as a key tool. <i>Human Mutation</i> , 2013 , 34, 1149-59	4.7	29
19	Understanding carbamoyl-phosphate synthetase I (CPS1) deficiency by using expression studies and structure-based analysis. <i>Human Mutation</i> , 2010 , 31, 801-8	4.7	29
18	Structural insight on the control of urea synthesis: identification of the binding site for N-acetyl-L-glutamate, the essential allosteric activator of mitochondrial carbamoyl phosphate synthetase. <i>Biochemical Journal</i> , 2009 , 424, 211-20	3.8	22
17	Metabolic response to 6-week aerobic exercise training and dieting in previously sedentary overweight and obese pre-menopausal women: A randomized trial. <i>Journal of Sport and Health Science</i> , 2014 , 3, 217-224	8.2	15
16	Enterobacter cloacae administration induces hepatic damage and subcutaneous fat accumulation in high-fat diet fed mice. <i>PLoS ONE</i> , 2018 , 13, e0198262	3.7	13
15	Does systemic low-grade inflammation associate with fat accumulation and distribution? A 7-year follow-up study with peripubertal girls. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, 1411-9	5.6	13

14	Prebiotic Xylo-Oligosaccharides Ameliorate High-Fat-Diet-Induced Hepatic Steatosis in Rats. <i>Nutrients</i> , 2020 , 12,	6.7	13
13	Differentiation of Murine C2C12 Myoblasts Strongly Reduces the Effects of Myostatin on Intracellular Signaling. <i>Biomolecules</i> , 2020 , 10,	5.9	11
12	Adipocytes as a Link Between Gut Microbiota-Derived Flagellin and Hepatocyte Fat Accumulation. <i>PLoS ONE</i> , 2016 , 11, e0152786	3.7	11
11	Intrinsic aerobic capacity governs the associations between gut microbiota composition and fat metabolism age-dependently in rat siblings. <i>Physiological Genomics</i> , 2017 , 49, 733-746	3.6	10
10	Blocking Activin Receptor Ligands Is Not Sufficient to Rescue Cancer-Associated Gut Microbiota-A Role for Gut Microbial Flagellin in Colorectal Cancer and Cachexia?. <i>Cancers</i> , 2019 , 11,	6.6	8
9	Cannabinoid receptor 1 and acute resistance exercise--In vivo and in vitro studies in human skeletal muscle. <i>Peptides</i> , 2015 , 67, 55-63	3.8	6
8	Beneficial effects of running and milk protein supplements on Sirtuins and risk factors of metabolic disorders in rats with low aerobic capacity. <i>Metabolism Open</i> , 2019 , 4, 100019	2.8	3
7	Higher glucose availability augments the metabolic responses of the C2C12 myotubes to exercise-like electrical pulse stimulation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 , 321, E229-E245	6	3
6	Shorter recovery time following high-intensity interval training induced higher body fat loss among overweight women. <i>Sport Sciences for Health</i> , 2019 , 15, 157-165	1.3	2
5	Rats bred for low intrinsic aerobic exercise capacity link obesity with brain inflammation and reduced structural plasticity of the hippocampus. <i>Brain, Behavior, and Immunity</i> , 2021 , 97, 250-259	16.6	2
4	Exercise, the endocannabinoid system and metabolic health. <i>Journal of Sport and Health Science</i> , 2013 , 2, 60-61	8.2	1
3	Xylo-Oligosaccharides in Prevention of Hepatic Steatosis and Adipose Tissue Inflammation: Associating Taxonomic and Metabolomic Patterns in Fecal Microbiomes with Biclustering. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	1
2	Vascular Adhesion Protein 1 Mediates Gut Microbial Flagellin-Induced Inflammation, Leukocyte Infiltration, and Hepatic Steatosis. <i>Sci</i> , 2021 , 3, 13	0.7	1
1	Irradiation of the head reduces adult hippocampal neurogenesis and impairs spatial memory, but leaves overall health intact in rats. <i>European Journal of Neuroscience</i> , 2021 , 53, 1885-1904	3.5	1