

Martina Wallace

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

5,881
citations

279798

23
h-index

414414

32
g-index

40
all docs

40
docs citations

40
times ranked

11697
citing authors

#	ARTICLE	IF	CITATIONS
1	Gut microbiota composition correlates with diet and health in the elderly. <i>Nature</i> , 2012, 488, 178-184.	27.8	2,618
2	Inhibition of acetyl-CoA carboxylase suppresses fatty acid synthesis and tumor growth of non-small-cell lung cancer in preclinical models. <i>Nature Medicine</i> , 2016, 22, 1108-1119.	30.7	357
3	Immunoresponsive Gene 1 and Itaconate Inhibit Succinate Dehydrogenase to Modulate Intracellular Succinate Levels. <i>Journal of Biological Chemistry</i> , 2016, 291, 14274-14284.	3.4	342
4	Branched-chain amino acid catabolism fuels adipocyte differentiation and lipogenesis. <i>Nature Chemical Biology</i> , 2016, 12, 15-21.	8.0	326
5	ATP-Citrate Lyase Controls a Glucose-to-Acetate Metabolic Switch. <i>Cell Reports</i> , 2016, 17, 1037-1052.	6.4	282
6	Genetic Liver-Specific AMPK Activation Protects against Diet-Induced Obesity and NAFLD. <i>Cell Reports</i> , 2019, 26, 192-208.e6.	6.4	202
7	Serine and Lipid Metabolism in Macular Disease and Peripheral Neuropathy. <i>New England Journal of Medicine</i> , 2019, 381, 1422-1433.	27.0	166
8	Serine restriction alters sphingolipid diversity to constrain tumour growth. <i>Nature</i> , 2020, 586, 790-795.	27.8	166
9	Enzyme promiscuity drives branched-chain fatty acid synthesis in adipose tissues. <i>Nature Chemical Biology</i> , 2018, 14, 1021-1031.	8.0	165
10	CRY2 and FBXL3 Cooperatively Degrade c-MYC. <i>Molecular Cell</i> , 2016, 64, 774-789.	9.7	159
11	Brown Fat AKT2 Is a Cold-Induced Kinase that Stimulates ChREBP-Mediated De Novo Lipogenesis to Optimize Fuel Storage and Thermogenesis. <i>Cell Metabolism</i> , 2018, 27, 195-209.e6.	16.2	151
12	Inhibition of the mitochondrial pyruvate carrier protects from excitotoxic neuronal death. <i>Journal of Cell Biology</i> , 2017, 216, 1091-1105.	5.2	140
13	Adipose tissue mTORC2 regulates ChREBP-driven de novo lipogenesis and hepatic glucose metabolism. <i>Nature Communications</i> , 2016, 7, 11365.	12.8	139
14	An investigation into the relationship between the metabolic profile of follicular fluid, oocyte developmental potential, and implantation outcome. <i>Fertility and Sterility</i> , 2012, 97, 1078-1084.e8.	1.0	117
15	Effects of menstrual cycle phase on metabolomic profiles in premenopausal women. <i>Human Reproduction</i> , 2010, 25, 949-956.	0.9	78
16	Non-canonical mTORC2 Signaling Regulates Brown Adipocyte Lipid Catabolism through SIRT6-FoxO1. <i>Molecular Cell</i> , 2019, 75, 807-822.e8.	9.7	60
17	Relationship between the lipidome, inflammatory markers and insulin resistance. <i>Molecular BioSystems</i> , 2014, 10, 1586-1595.	2.9	57
18	Tracing insights into de novo lipogenesis in liver and adipose tissues. <i>Seminars in Cell and Developmental Biology</i> , 2020, 108, 65-71.	5.0	53

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19	Adipocyte ACLY Facilitates Dietary Carbohydrate Handling to Maintain Metabolic Homeostasis in Females. <i>Cell Reports</i> , 2019, 27, 2772-2784.e6.	6.4	49
20	Integrated In Vivo Quantitative Proteomics and Nutrient Tracing Reveals Age-Related Metabolic Rewiring of Pancreatic β Cell Function. <i>Cell Reports</i> , 2018, 25, 2904-2918.e8.	6.4	44
21	RalA controls glucose homeostasis by regulating glucose uptake in brown fat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7819-7824.	7.1	36
22	Serine biosynthesis defect due to haploinsufficiency of PHGDH causes retinal disease. <i>Nature Metabolism</i> , 2021, 3, 366-377.	11.9	32
23	Metabolomic analysis of pancreatic beta cells following exposure to high glucose. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 2583-2590.	2.4	26
24	^1H NMR based metabolic profiling of day 2 spent embryo media correlates with implantation potential. <i>Systems Biology in Reproductive Medicine</i> , 2014, 60, 58-63.	2.1	26
25	Cryptochromes Suppress HIF1 α in Muscles. <i>IScience</i> , 2020, 23, 101338.	4.1	22
26	Dairy Fat Intake, Plasma Pentadecanoic Acid, and Plasma Isoheptadecanoic Acid Are Inversely Associated With Liver Fat in Children. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2021, 72, e90-e96.	1.8	16
27	PGC1 α drives a metabolic block on prostate cancer progression. <i>Nature Cell Biology</i> , 2016, 18, 589-590.	10.3	13
28	Microbiota control of maternal behavior regulates early postnatal growth of offspring. <i>Science Advances</i> , 2021, 7, .	10.3	13
29	Early pregnancy maternal urinary metabolomic profile and later insulin resistance and fetal adiposity. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2015, 28, 1697-1700.	1.5	9
30	Urinary Metabolomic Changes Accompanying Albuminuria Remission following Gastric Bypass Surgery for Type 2 Diabetic Kidney Disease. <i>Metabolites</i> , 2022, 12, 139.	2.9	6
31	4-LB: Feeding-Stimulated Regulation of the Epigenome Controls Adaptive Insulin Secretion. <i>Diabetes</i> , 2019, 68, .	0.6	2
32	657: Early pregnancy maternal urinary metabolomic profile to predict fetal adiposity and macrosomia. <i>American Journal of Obstetrics and Gynecology</i> , 2012, 206, S293-S294.	1.3	1
33	Adipocyte ACLY Facilitates Dietary Carbohydrate Handling and Protects Against Insulin Resistance in Females. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
34	Metabolic balance—a masterclass in mass action. <i>Nature Metabolism</i> , 2022, 4, 17-18.	11.9	0