Paul A Grimsrud

List of Publications by Year
in descending order

20 papers	1,290 citations	758635 12 h-index	752256 20 g-index
20 all docs	20 docs citations	20 times ranked	2250 citing authors

#	Article	IF	Citations
1	SIRT4 Is a Lysine Deacylase that Controls Leucine Metabolism and Insulin Secretion. Cell Metabolism, 2017, 25, 838-855.e15.	7.2	259
2	The BCKDH Kinase and Phosphatase Integrate BCAA and Lipid Metabolism via Regulation of ATP-Citrate Lyase. Cell Metabolism, 2018, 27, 1281-1293.e7.	7.2	222
3	A Class of Reactive Acyl-CoA Species Reveals the Non-enzymatic Origins of Protein Acylation. Cell Metabolism, 2017, 25, 823-837.e8.	7.2	205
4	A Quantitative Map of the Liver Mitochondrial Phosphoproteome Reveals Posttranslational Control of Ketogenesis. Cell Metabolism, 2012, 16, 672-683.	7.2	141
5	Nicotinamide mononucleotide requires SIRT3 to improve cardiac function and bioenergetics in a Friedreichâ€™s ataxia cardiomyopathy model. JCI Insight, 2017, 2, .	2.3	96
6	The Acetyl Group Buffering Action of Carnitine Acetyltransferase Offsets Macronutrient-Induced Lysine Acetylation of Mitochondrial Proteins. Cell Reports, 2016, 14, 243-254.	2.9	77
7	Extreme Acetylation of the Cardiac Mitochondrial Proteome Does Not Promote Heart Failure. Circulation Research, 2020, 127, 1094-1108.	2.0	54
8	Mitochondrial DNA Variant in COX1 Subunit Significantly Alters Energy Metabolism of Geographically Divergent Wild Isolates in Caenorhabditis elegans. Journal of Molecular Biology, 2014, 426, 2199-2216.	2.0	49
9	Disruption of Acetyl-Lysine Turnover in Muscle Mitochondria Promotes Insulin Resistance and Redox Stress without Overt Respiratory Dysfunction. Cell Metabolism, 2020, 31, 131-147.e11.	7.2	41
10	Respiratory Phenomics across Multiple Models of Protein Hyperacylation in Cardiac Mitochondria Reveals a Marginal Impact on Bioenergetics. Cell Reports, 2019, 26, 1557-1572.e8.	2.9	39
11	Ablation of Sirtuin5 in the postnatal mouse heart results in protein succinylation and normal survival in response to chronic pressure overload. Journal of Biological Chemistry, 2018, 293, 10630-10645.	1.6	31
12	Remodeling of the Acetylproteome by SIRT3 Manipulation Fails to Affect Insulin Secretion or Î² Cell Metabolism in the Absence of Overnutrition. Cell Reports, 2018, 24, 209-223.e6.	2.9	26
13	Nicotinamide riboside supplementation confers marginal metabolic benefits in obese mice without remodeling the muscle acetyl-proteome. IScience, 2022, 25, 103635.	1.9	11
14	Chronic caloric restriction maintains a youthful phosphoproteome in aged skeletal muscle. Mechanisms of Ageing and Development, 2021, 195, 111443.	2.2	9
15	Sirtuin 5 Is Regulated by the SCF^{Cyclin F} Ubiquitin Ligase and Is Involved in Cell Cycle Control. Molecular and Cellular Biology, 2021, 41, .	1.1	8
16	Statin therapy inhibits fatty acid synthase via dynamic protein modifications. Nature Communications, 2022, 13, 2542.	5.8	7
17	Disruption of STIM1-mediated Ca2+ sensing and energy metabolism in adult skeletal muscle compromises exercise tolerance, proteostasis, and lean mass. Molecular Metabolism, 2022, 57, 101429.	3.0	6
18	Deglutarylation of glutaryl-CoA dehydrogenase by deacylating enzyme SIRT5 promotes lysine oxidation in mice. Journal of Biological Chemistry, 2022, 298, 101723.	1.6	5

#	Article	IF	Citations
19	Proteomics and phosphoproteomics datasets of a muscle-specific STIM1 loss-of-function mouse model. Data in Brief, 2022, 42, 108051.	0.5	3
20	Mitochondrial lysine acylation and cardiometabolic stress: Truth or consequence?. Current Opinion in Physiology, 2022, , 100551.	0.9	1