

# Christopher L Axelrod

## List of Publications by Year in descending order

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18  
papers

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citations

932766

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887659

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docs citations

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times ranked

536  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exercise training remodels human skeletal muscle mitochondrial fission and fusion machinery towards a pro-elongation phenotype. <i>Acta Physiologica</i> , 2019, 225, e13216.	1.8	74
2	BAM15-mediated mitochondrial uncoupling protects against obesity and improves glycemic control. <i>EMBO Molecular Medicine</i> , 2020, 12, e12088.	3.3	51
3	Mitochondrial dynamics in skeletal muscle insulin resistance and type 2 diabetes. <i>Translational Research</i> , 2018, 202, 69-82.	2.2	43
4	Lipids activate skeletal muscle mitochondrial fission and quality control networks to induce insulin resistance in humans. <i>Metabolism: Clinical and Experimental</i> , 2021, 121, 154803.	1.5	40
5	$\beta$ -Hydroxybutyrate is reduced in humans with obesity-related NAFLD and displays a dose-dependent effect on skeletal muscle mitochondrial respiration in vitro. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E187-E195.	1.8	32
6	Exercise-Induced Increases in Insulin Sensitivity After Bariatric Surgery Are Mediated By Muscle Extracellular Matrix Remodeling. <i>Diabetes</i> , 2020, 69, 1675-1691.	0.3	28
7	Lipids and ketones dominate metabolism at the expense of glucose control in pulmonary arterial hypertension: a hyperglycaemic clamp and metabolomics study. <i>European Respiratory Journal</i> , 2020, 55, 1901700.	3.1	28
8	Mitochondrial uncoupling attenuates sarcopenic obesity by enhancing skeletal muscle mitophagy and quality control. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 1821-1836.	2.9	25
9	UCC118 supplementation reduces exercise-induced gastrointestinal permeability and remodels the gut microbiome in healthy humans. <i>Physiological Reports</i> , 2019, 7, e14276.	0.7	19
10	CRISPR/Cas9-engineered <i>Drosophila</i> knock-in models to study VCP diseases. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	15
11	Insulin resistance persists despite a metabolically healthy obesity phenotype. <i>Obesity</i> , 2022, 30, 39-44.	1.5	14
12	Roux-en-Y gastric bypass restores islet function and morphology independent of body weight in ZDF rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E392-E398.	1.8	11
13	Breast cancer growth and proliferation is suppressed by the mitochondrial targeted furazano[3,4-b]pyrazine BAM15. <i>Cancer &amp; Metabolism</i> , 2021, 9, 36.	2.4	11
14	Exercise Training Rapidly Increases Hepatic Insulin Extraction in NAFLD. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1449-1455.	0.2	9
15	Dynamin-related protein 1 regulates substrate oxidation in skeletal muscle by stabilizing cellular and mitochondrial calcium dynamics. <i>Journal of Biological Chemistry</i> , 2021, 297, 101196.	1.6	8
16	Foregut Exclusion Enhances Incretin and Insulin Secretion After Roux-en-Y Gastric Bypass in Adults With Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e4192-e4201.	1.8	3
17	Analytical Determination of Mitochondrial Function of Excised Solid Tumor Homogenates. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	3
18	Mitochondrial Uncoupling Decreases Sarcopenic Obesity By Activation of Skeletal Muscle Mitochondrial Quality Control and Attenuated ER Stress. <i>FASEB Journal</i> , 2022, 36, .	0.2	0