

# Michael Shum

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1813629/publications.pdf>

Version: 2024-02-01

20  
papers

1,172  
citations

623734

14  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

2144  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Mitochondria Bound to Lipid Droplets Have Unique Bioenergetics, Composition, and Dynamics that Support Lipid Droplet Expansion. <i>Cell Metabolism</i> , 2018, 27, 869-885.e6.  | 16.2 | 359       |
| 2  | AMPK in skeletal muscle function and metabolism. <i>FASEB Journal</i> , 2018, 32, 1741-1777.  | 0.5  | 289       |
| 3  | Hypothalamic oestrogen receptor alpha establishes a sexually dimorphic regulatory node of energy expenditure. <i>Nature Metabolism</i> , 2020, 2, 351-363.  | 11.9 | 61        |
| 4  | Mitochondrial oxidative function in NAFLD: Friend or foe?. <i>Molecular Metabolism</i> , 2021, 50, 101134.  | 6.5  | 53        |
| 5  | Angiotensin II type 2 receptor promotes adipocyte differentiation and restores adipocyte size in high-fat/high-fructose diet-induced insulin resistance in rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 304, E197-E210. | 3.5  | 50        |
| 6  | Estrogen-sensitive medial preoptic area neurons coordinate torpor in mice. <i>Nature Communications</i> , 2020, 11, 6378.   | 12.8 | 49        |
| 7  | Pharmacological inhibition of S6K1 increases glucose metabolism and Akt signalling in vitro and in diet-induced obese mice. <i>Diabetologia</i> , 2016, 59, 592-603.  | 6.3  | 47        |
| 8  | Sex-specific metabolic functions of adipose Lipocalin-2. <i>Molecular Metabolism</i> , 2019, 30, 30-47.   | 6.5  | 41        |
| 9  | Loss of hepatic DEPTOR alters the metabolic transition to fasting. <i>Molecular Metabolism</i> , 2017, 6, 447-458.  | 6.5  | 32        |
| 10 | Sex-specific genetic regulation of adipose mitochondria and metabolic syndrome by Ndufv2. <i>Nature Metabolism</i> , 2021, 3, 1552-1568.  | 11.9 | 32        |
| 11 | NCLX prevents cell death during adrenergic activation of the brown adipose tissue. <i>Nature Communications</i> , 2020, 11, 3347.   | 12.8 | 31        |
| 12 | Hepatocyte-specific Ptpn6 deletion promotes hepatic lipid accretion, but reduces NAFLD in diet-induced obesity: Potential role of PPAR $\beta$ . <i>Hepatology</i> , 2014, 59, 1803-1815.   | 7.3  | 28        |
| 13 | ABCB10 exports mitochondrial biliverdin, driving metabolic maladaptation in obesity. <i>Science Translational Medicine</i> , 2021, 13, .  | 12.4 | 27        |
| 14 | Insulin Activates RSK (p90 Ribosomal S6 Kinase) to Trigger a New Negative Feedback Loop That Regulates Insulin Signaling for Glucose Metabolism. <i>Journal of Biological Chemistry</i> , 2013, 288, 31165-31176.   | 3.4  | 22        |
| 15 | Inhibition of mitochondrial complex I by the S6K1 inhibitor PF-4708671 partly contributes to its glucose metabolic effects in muscle and liver cells. <i>Journal of Biological Chemistry</i> , 2019, 294, 12250-12260.  | 3.4  | 16        |
| 16 | AT2 Receptor Agonists: Exploiting the Beneficial Arm of Ang II Signaling. <i>Current Hypertension Reviews</i> , 2012, 8, 47-59.   | 0.9  | 14        |
| 17 | Isolation and functional analysis of peridroplet mitochondria from murine brown adipose tissue. <i>STAR Protocols</i> , 2021, 2, 100243.  | 1.2  | 11        |
| 18 | Postprandial fatty acid uptake and adipocyte remodeling in angiotensin type 2 receptor-deficient mice fed a high-fat/high-fructose diet. <i>Adipocyte</i> , 2016, 5, 43-52.   | 2.8  | 7         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Determining Basal Energy Expenditure and the Capacity of Thermogenic Adipocytes to Expend Energy in Obese Mice. <i>Journal of Visualized Experiments</i> , 2021, , . | 0.3 | 1         |
| 20 | Deletion of ABCB10 in beta-cells protects from high-fat diet induced insulin resistance. <i>Molecular Metabolism</i> , 2022, 55, 101403.                             | 6.5 | 0         |