

Alexander W Fischer

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

2,639
citations

236612

25
h-index

233125

45
g-index

47
all docs

47
docs citations

47
times ranked

4129
citing authors

#	ARTICLE	IF	CITATIONS
1	String method in collective variables: Minimum free energy paths and isocommittor surfaces. Journal of Chemical Physics, 2006, 125, 024106.	1.2	600
2	Optimal housing temperatures for mice to mimic the thermal environment of humans: An experimental study. Molecular Metabolism, 2018, 7, 161-170.	3.0	195
3	FGF21 Lowers Plasma Triglycerides by Accelerating Lipoprotein Catabolism in White and Brown Adipose Tissues. Cell Metabolism, 2016, 23, 441-453.	7.2	188
4	Brown adipose tissue thermogenic adaptation requires Nrf1-mediated proteasomal activity. Nature Medicine, 2018, 24, 292-303.	15.2	154
5	Lipolysis Triggers a Systemic Insulin Response Essential for Efficient Energy Replenishment of Activated Brown Adipose Tissue in Mice. Cell Metabolism, 2018, 28, 644-655.e4.	7.2	129
6	Leptin Raises Defended Body Temperature without Activating Thermogenesis. Cell Reports, 2016, 14, 1621-1631.	2.9	116
7	Human brown adipose tissue is phenocopied by classical brown adipose tissue in physiologically humanized mice. Nature Metabolism, 2019, 1, 830-843.	5.1	103
8	Cidea improves the metabolic profile through expansion of adipose tissue. Nature Communications, 2015, 6, 7433.	5.8	80
9	Thyroid-Hormone-Induced Browning of White Adipose Tissue Does Not Contribute to Thermogenesis and Glucose Consumption. Cell Reports, 2019, 27, 3385-3400.e3.	2.9	76
10	Distinct metastable atmospheric regimes despite nearly Gaussian statistics: A paradigm model. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8309-8314.	3.3	74
11	Ligand Bound β 1 Integrins Inhibit Procaspase-8 for Mediating Cell Adhesion-Mediated Drug and Radiation Resistance in Human Leukemia Cells. PLoS ONE, 2007, 2, e269.	1.1	60
12	Impairment of systemic DHA synthesis affects macrophage plasticity and polarization: implications for DHA supplementation during inflammation. Cellular and Molecular Life Sciences, 2017, 74, 2815-2826.	2.4	56
13	Intact innervation is essential for diet-induced recruitment of brown adipose tissue. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E487-E503.	1.8	54
14	Lipid Droplets in Brown Adipose Tissue Are Dispensable for Cold-Induced Thermogenesis. Cell Reports, 2020, 33, 108348.	2.9	53
15	No insulating effect of obesity. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E202-E213.	1.8	51
16	Glucocorticoid-Induced Obesity Develops Independently of UCP1. Cell Reports, 2019, 27, 1686-1698.e5.	2.9	49
17	Lysosomal lipoprotein processing in endothelial cells stimulates adipose tissue thermogenic adaptation. Cell Metabolism, 2021, 33, 547-564.e7.	7.2	48
18	Leptin: Is It Thermogenic?. Endocrine Reviews, 2020, 41, 232-260.	8.9	47

#	ARTICLE	IF	CITATIONS
19	The answer to the question “What is the best housing temperature to translate mouse experiments to humans?” is: thermoneutrality. <i>Molecular Metabolism</i> , 2019, 26, 1-3.	3.0	46
20	The adaptor protein PID1 regulates receptor-dependent endocytosis of postprandial triglyceride-rich lipoproteins. <i>Molecular Metabolism</i> , 2018, 16, 88-99.	3.0	45
21	Human brown adipose tissue: Classical brown rather than brite/beige?. <i>Experimental Physiology</i> , 2020, 105, 1191-1200.	0.9	44
22	UCP1 inhibition in Cidea-overexpressing mice is physiologically counteracted by brown adipose tissue hyperrecruitment. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 312, E72-E87.	1.8	41
23	Tailoring the Spin Functionality of a Hybrid Metal-Organic Interface by Means of Alkali-Metal Doping. <i>Physical Review Letters</i> , 2010, 104, 217602.	2.9	39
24	Endogenous Fatty Acid Synthesis Drives Brown Adipose Tissue Involution. <i>Cell Reports</i> , 2021, 34, 108624.	2.9	33
25	Evaluation of functional characteristics of preactivated thiolated chitosan as potential therapeutic agent for dry mouth syndrome. <i>Acta Biomaterialia</i> , 2015, 21, 123-131.	4.1	31
26	Phantom validation of quantitative Y-90 PET/CT-based dosimetry in liver radioembolization. <i>EJNMMI Research</i> , 2017, 7, 94.	1.1	28
27	Dissecting hiPSC-CM pacemaker function in a cardiac organoid model. <i>Biomaterials</i> , 2019, 206, 133-145.	5.7	21
28	Altered hepatic glucose homeostasis in AnxA6-KO mice fed a high-fat diet. <i>PLoS ONE</i> , 2018, 13, e0201310.	1.1	18
29	CD38 downregulation modulates NAD ⁺ and NADP(H) levels in thermogenic adipose tissues. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158819.	1.2	18
30	FoxO transcription factors are required for hepatic HDL cholesterol clearance. <i>Journal of Clinical Investigation</i> , 2018, 128, 1615-1626.	3.9	18
31	TFEB deficiency attenuates mitochondrial degradation upon brown adipose tissue whitening at thermoneutrality. <i>Molecular Metabolism</i> , 2021, 47, 101173.	3.0	17
32	Brown adipose tissue lipoprotein and glucose disposal is not determined by thermogenesis in uncoupling protein 1-deficient mice. <i>Journal of Lipid Research</i> , 2020, 61, 1377-1389.	2.0	15
33	Leptin-deficient mice are not hypothermic, they are anapyrexia. <i>Molecular Metabolism</i> , 2017, 6, 173.	3.0	13
34	PID1 regulates insulin-dependent glucose uptake by controlling intracellular sorting of GLUT4-storage vesicles. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1592-1603.	1.8	11
35	Thermoneutrality-Induced Macrophage Accumulation in Brown Adipose Tissue Does Not Impair the Tissue’s Competence for Cold-Induced Thermogenic Recruitment. <i>Frontiers in Endocrinology</i> , 2020, 11, 568682.	1.5	10
36	Evolutionary liberties of the Abutilon mosaic virus cluster. <i>Virus Genes</i> , 2015, 50, 63-70.	0.7	9

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37	Light-dependent segregation of begomoviruses in <i>Asystasia gangetica</i> leaves. <i>Virus Research</i> , 2015, 195, 225-235.	1.1	9
38	No insulating effect of obesity, neither in mice nor in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E952-E953.	1.8	9
39	Evaluation of elastix-based propagated align algorithm for VOI- and voxel-based analysis of longitudinal 18F-FDG PET/CT data from patients with non-small cell lung cancer (NSCLC). <i>EJNMMI Research</i> , 2015, 5, 15.	1.1	7
40	Reply to letter to the editor: at thermoneutrality, neither the lean nor the obese freeze. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E639-E639.	1.8	5
41	Abcisic acid stimulates the release of insulin and of GLP-1 in the rat perfused pancreas and intestine. <i>Diabetes/Metabolism Research and Reviews</i> , 2019, 35, e3102.	1.7	5
42	Synergistic Effects of DHA and Sucrose on Body Weight Gain in PUFA-Deficient <i>Elovl2</i> ^{-/-} Mice. <i>Nutrients</i> , 2019, 11, 852.	1.7	4
43	Lysosomal acid lipase promotes endothelial proliferation in cold-activated adipose tissue. <i>Adipocyte</i> , 2022, 11, 28-33.	1.3	3