

Kristin I Stanford

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

5,380
citations

109321

35
h-index

138484

58
g-index

62
all docs

62
docs citations

62
times ranked

7371
citing authors

#	ARTICLE	IF	CITATIONS
1	Brown adipose tissue regulates glucose homeostasis and insulin sensitivity. <i>Journal of Clinical Investigation</i> , 2013, 123, 215-223.	8.2	964
2	The cold-induced lipokine 12,13-diHOME promotes fatty acid transport into brown adipose tissue. <i>Nature Medicine</i> , 2017, 23, 631-637.	30.7	309
3	Exercise Effects on White Adipose Tissue: Being and Metabolic Adaptations. <i>Diabetes</i> , 2015, 64, 2361-2368.	0.6	268
4	Exerkines in health, resilience and disease. <i>Nature Reviews Endocrinology</i> , 2022, 18, 273-289.	9.6	268
5	A Novel Role for Subcutaneous Adipose Tissue in Exercise-Induced Improvements in Glucose Homeostasis. <i>Diabetes</i> , 2015, 64, 2002-2014.	0.6	248
6	Exercise and type 2 diabetes: molecular mechanisms regulating glucose uptake in skeletal muscle. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2014, 38, 308-314.	1.6	227
7	12,13-diHOME: An Exercise-Induced Lipokine that Increases Skeletal Muscle Fatty Acid Uptake. <i>Cell Metabolism</i> , 2018, 27, 1111-1120.e3.	16.2	215
8	Interplay between FGF21 and insulin action in the liver regulates metabolism. <i>Journal of Clinical Investigation</i> , 2014, 124, 515-527.	8.2	201
9	Liver heparan sulfate proteoglycans mediate clearance of triglyceride-rich lipoproteins independently of LDL receptor family members. <i>Journal of Clinical Investigation</i> , 2007, 117, 153-164.	8.2	177
10	Syndecan-1 is the primary heparan sulfate proteoglycan mediating hepatic clearance of triglyceride-rich lipoproteins in mice. <i>Journal of Clinical Investigation</i> , 2009, 119, 3236-45.	8.2	176
11	Effects of Exercise to Improve Cardiovascular Health. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 69.	2.4	171
12	Insulin and IGF-1 receptors regulate FoxO-mediated signaling in muscle proteostasis. <i>Journal of Clinical Investigation</i> , 2016, 126, 3433-3446.	8.2	132
13	TGF- β 2 is an exercise-induced adipokine that regulates glucose and fatty acid metabolism. <i>Nature Metabolism</i> , 2019, 1, 291-303.	11.9	128
14	Exercise Before and During Pregnancy Prevents the Deleterious Effects of Maternal High-Fat Feeding on Metabolic Health of Male Offspring. <i>Diabetes</i> , 2015, 64, 427-433.	0.6	119
15	Exercise regulation of adipose tissue. <i>Adipocyte</i> , 2016, 5, 153-162.	2.8	106
16	Exercise and Regulation of Carbohydrate Metabolism. <i>Progress in Molecular Biology and Translational Science</i> , 2015, 135, 17-37.	1.7	105
17	Exercise Training Induces Depot-Specific Adaptations to White and Brown Adipose Tissue. <i>IScience</i> , 2019, 11, 425-439.	4.1	91
18	Maternal Exercise Improves Glucose Tolerance in Female Offspring. <i>Diabetes</i> , 2017, 66, 2124-2136.	0.6	89

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19	Exercise-induced adaptations to white and brown adipose tissue. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	86
20	A Novel Endocrine Role for the BAT-Released Lipokine 12,13-diHOME to Mediate Cardiac Function. <i>Circulation</i> , 2021, 143, 145-159.	1.6	81
21	Muscle-Adipose Tissue Cross Talk. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018, 8, a029801.	6.2	80
22	Paternal Exercise Improves Glucose Metabolism in Adult Offspring. <i>Diabetes</i> , 2018, 67, 2530-2540.	0.6	78
23	Effects of exercise on brown and beige adipocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 71-78.	2.4	78
24	Heparan Sulfate 2-O-Sulfotransferase Is Required for Triglyceride-rich Lipoprotein Clearance*. <i>Journal of Biological Chemistry</i> , 2010, 285, 286-294.	3.4	76
25	The beneficial effects of brown adipose tissue transplantation. <i>Molecular Aspects of Medicine</i> , 2019, 68, 74-81.	6.4	75
26	Hepatic Remnant Lipoprotein Clearance by Heparan Sulfate Proteoglycans and Low-Density Lipoprotein Receptors Depend on Dietary Conditions in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2065-2074.	2.4	69
27	Lipidomic Adaptations in White and Brown Adipose Tissue in Response to Exercise Demonstrate Molecular Species-Specific Remodeling. <i>Cell Reports</i> , 2017, 18, 1558-1572.	6.4	68
28	Cold and Exercise: Therapeutic Tools to Activate Brown Adipose Tissue and Combat Obesity. <i>Biology</i> , 2019, 8, 9.	2.8	64
29	Heparan sulfate proteoglycans and triglyceride-rich lipoprotein metabolism. <i>Current Opinion in Lipidology</i> , 2008, 19, 307-313.	2.7	47
30	Deletion of the Basement Membrane Heparan Sulfate Proteoglycan Type XVIII Collagen Causes Hypertriglyceridemia in Mice and Humans. <i>PLoS ONE</i> , 2010, 5, e13919.	2.5	46
31	Exercise-induced 3- β -sialyllactose in breast milk is a critical mediator to improve metabolic health and cardiac function in mouse offspring. <i>Nature Metabolism</i> , 2020, 2, 678-687.	11.9	46
32	Exercise-Induced Adaptations to Adipose Tissue Thermogenesis. <i>Frontiers in Endocrinology</i> , 2020, 11, 270.	3.5	46
33	Influence of menstrual cycle phase on pulmonary function in asthmatic athletes. <i>European Journal of Applied Physiology</i> , 2006, 96, 703-710.	2.5	45
34	Maternal Exercise Improves the Metabolic Health of Adult Offspring. <i>Trends in Endocrinology and Metabolism</i> , 2018, 29, 164-177.	7.1	43
35	β IV-Spectrin regulates STAT3 targeting to tune cardiac response to pressure overload. <i>Journal of Clinical Investigation</i> , 2018, 128, 5561-5572.	8.2	36
36	Batokines: Mediators of Inter-Tissue Communication (a Mini-Review). <i>Current Obesity Reports</i> , 2022, 11, 1-9.	8.4	32

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37	Maternal and paternal exercise regulate offspring metabolic health and beta cell phenotype. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e000890.	2.8	31
38	Identification and characterization of a supraclavicular brown adipose tissue in mice. <i>JCI Insight</i> , 2017, 2, .	5.0	29
39	The Regulation of Lipokines by Environmental Factors. <i>Nutrients</i> , 2019, 11, 2422.	4.1	23
40	Preconception Exposure to Fine Particulate Matter Leads to Cardiac Dysfunction in Adult Male Offspring. <i>Journal of the American Heart Association</i> , 2018, 7, e010797.	3.7	21
41	Disruption of energy utilization in diabetic cardiomyopathy; a mini review. <i>Current Opinion in Pharmacology</i> , 2020, 54, 82-90.	3.5	20
42	Relationship of brown adipose tissue perfusion and function: a study through β 2-adrenoreceptor stimulation. <i>Journal of Applied Physiology</i> , 2016, 120, 825-832.	2.5	16
43	Neonatal apneic phenotype in a murine congenital central hypoventilation syndrome model is induced through non-cell autonomous developmental mechanisms. <i>Brain Pathology</i> , 2021, 31, 84-102.	4.1	16
44	Metabolic shifts modulate lung injury caused by infection with H1N1 influenza A virus. <i>Virology</i> , 2021, 559, 111-119.	2.4	10
45	Phospho-ablation of cardiac sodium channel Nav1.5 mitigates susceptibility to atrial fibrillation and improves glucose homeostasis under conditions of diet-induced obesity. <i>International Journal of Obesity</i> , 2021, 45, 795-807.	3.4	9
46	The therapeutic potential of brown adipose tissue. <i>Hepatobiliary Surgery and Nutrition</i> , 2013, 2, 286-7.	1.5	9
47	The Heartwarming Effect of Brown Adipose Tissue. <i>Molecular Pharmacology</i> , 2022, 102, 39-50.	2.3	9
48	Brown adipose tissue prevents glucose intolerance and cardiac remodeling in high-fat-fed mice after a mild myocardial infarction. <i>International Journal of Obesity</i> , 2022, 46, 350-358.	3.4	8
49	Sigma-1 receptor ablation impedes adipocyte-like differentiation of mouse embryonic fibroblasts. <i>Cellular Signalling</i> , 2020, 75, 109732.	3.6	6
50	Amino acid-based compound activates atypical PKC and leptin receptor pathways to improve glycemia and anxiety like behavior in diabetic mice. <i>Biomaterials</i> , 2020, 239, 119839.	11.4	6
51	Stress-responsive HILPDA is necessary for thermoregulation during fasting. <i>Journal of Endocrinology</i> , 2017, 235, 27-38.	2.6	5
52	Slit2-Mediated Metabolic Reprogramming in Bone Marrow-Derived Macrophages Enhances Antitumor Immunity. <i>Frontiers in Immunology</i> , 2021, 12, 753477.	4.8	5
53	Cardiac-derived TGF- β 1 confers resistance to diet-induced obesity through the regulation of adipocyte size and function. <i>Molecular Metabolism</i> , 2021, 54, 101343.	6.5	4
54	Exercise does not ameliorate cardiac dysfunction in obese mice exposed to fine particulate matter. <i>Life Sciences</i> , 2019, 239, 116885.	4.3	3

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55	Transplantation of Preâ€adipocytes and Stem Progenitors from Brown Adipose Tissue (BAT) Stromal Vascular Fraction (SVF) Improves Glucose Metabolism of the Recipients. FASEB Journal, 2019, 33, 694.6.	0.5	1
56	Distinct Effects of High-Fat and High-Phosphate Diet on Glucose Metabolism and the Response to Voluntary Exercise in Male Mice. Nutrients, 2022, 14, 1201.	4.1	1
57	A Novel Role for Adipose Tissue in Exerciseâ€Induced Improvements in Glucose Homeostasis. FASEB Journal, 2012, 26, 1142.15.	0.5	0
58	Dissecting the Contribution of Specific Hindbrain Cell Populations in the Phenotypic Characterization of a Mouse Model of Central Congenital Hypoventilation Syndrome. FASEB Journal, 2019, 33, 802.51.	0.5	0
59	Metabolic tradeâ€off and adipose tissue role in Neonatal Sepsis. FASEB Journal, 2022, 36, .	0.5	0
60	Exosome Delivery to the Heart: What Can Brown Fat Do for You?. Circulation Research, 2022, 131, 148-150.	4.5	0