Jeffrey S Flier

List of Publications by Year
in descending order

58 papers	18,817 citations	101384 36 h-index	155451 55 g-index
63 all docs	63 docs citations	63 times ranked	14401 citing authors

#	Article	IF	Citations
1	Role of leptin in the neuroendocrine response to fasting. Nature, 1996, 382, 250-252.	13.7	2,865
2	Type I Diabetes Mellitus. New England Journal of Medicine, 1986, 314, 1360-1368.	13.9	1,578
3	Leptin. Annual Review of Physiology, 2000, 62, 413-437.	5.6	1,473
4	Leptin levels reflect body lipid content in mice: Evidence for diet-induced resistance to leptin action. Nature Medicine, 1995, 1, 1311-1314.	15.2	1,464
5	The Syndromes of Insulin Resistance and Acanthosis Nigricans. New England Journal of Medicine, 1976, 294, 739-745.	13.9	1,088
6	Mice lacking melanin-concentrating hormone are hypophagic and lean. Nature, 1998, 396, 670-674.	13.7	1,085
7	Obesity Wars. Cell, 2004, 116, 337-350.	13.5	1,043
8	Development of obesity in transgenic mice after genetic ablation of brown adipose tissue. Nature, 1993, 366, 740-742.	13.7	1,003
9	Distributions of leptin receptor mRNA isoforms in the rat brain. Journal of Comparative Neurology, 1998, 395, 535-547.	0.9	944
10	Identification of SOCS-3 as a Potential Mediator of Central Leptin Resistance. Molecular Cell, 1998, 1, 619-625.	4.5	901
11	Human leptin levels are pulsatile and inversely related to pituitaryâ€“ardenal function. Nature Medicine, 1997, 3, 575-579.	15.2	637
12	The Role of SOCS-3 in Leptin Signaling and Leptin Resistance. Journal of Biological Chemistry, 1999, 274, 30059-30065.	1.6	536
13	Unraveling the central nervous system pathways underlying responses to leptin. Nature Neuroscience, 1998, 1, 445-450.	7.1	478
14	Whatâ€™s in a Name? In Search of Leptinâ€™s Physiologic Role1. Journal of Clinical Endocrinology and Metabolism, 1998, 83, 1407-1413.	1.8	441
15	Enhanced leptin sensitivity and attenuation of diet-induced obesity in mice with haploinsufficiency of Socs3. Nature Medicine, 2004, 10, 734-738.	15.2	434
16	Adipsin Is an Adipokine that Improves Î² Cell Function in Diabetes. Cell, 2014, 158, 41-53.	13.5	284
17	Leptin Concentrations in Relation to Body Mass Index and the Tumor Necrosis Factor-Î± System in Humans1. Journal of Clinical Endocrinology and Metabolism, 1997, 82, 3408-3413.	1.8	226
18	Fibroblast Growth Factor 21 Limits Lipotoxicity by Promoting Hepatic Fatty Acid Activation in Mice on Methionine and Choline-Deficient Diets. Gastroenterology, 2014, 147, 1073-1083.e6.	0.6	216

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19	Synchronicity of Frequently Sampled Thyrotropin (TSH) and Leptin Concentrations in Healthy Adults and Leptin-Deficient Subjects: Evidence for Possible Partial TSH Regulation by Leptin in Humans. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 3284-3291.	1.8	199
20	Central Fibroblast Growth Factor 21 Browns White Fat via Sympathetic Action in Male Mice. Endocrinology, 2015, 156, 2470-2481.	1.4	188
21	The missing link with obesity?. Nature, 2001, 409, 292-293.	13.7	110
22	Leptin's Physiologic Role: Does the Emperor of Energy Balance Have No Clothes?. Cell Metabolism, 2017, 26, 24-26.	7.2	107
23	Circulating Insulin Concentrations, Smoking, and Alcohol Intake Are Important Independent Predictors of Leptin in Young Healthy Men. Obesity, 1998, 6, 179-186.	4.0	105
24	Fibroblast growth factor 21 (FGF21) is robustly induced by ethanol and has a protective role in ethanol associated liver injury. Molecular Metabolism, 2017, 6, 1395-1406.	3.0	103
25	Fibroblast Growth Factor 21 (FGF21) Protects against High Fat Diet Induced Inflammation and Islet Hyperplasia in Pancreas. PLoS ONE, 2016, 11, e0148252.	1.1	90
26	Adaptive changes in amino acid metabolism permit normal longevity in mice consuming a low-carbohydrate ketogenic diet. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 2056-2065.	1.8	75
27	Gender differences in leptin levels during puberty are related to the subcutaneous fat depot and sex steroids. American Journal of Physiology - Endocrinology and Metabolism, 1998, 275, E543-E551.	1.8	73
28	Endogenous digitalis-like activity in the plasma of the toad Bufo marinus. Nature, 1979, 279, 341-343.	13.7	69
29	Characterization of Insulin-Like Growth Factor Binding to Human Granulosa Cells Obtained During in Vitro Fertilizationd. Journal of Receptors and Signal Transduction, 1987, 7, 885-902.	1.2	67
30	Functional Properties of Leptin Receptor Isoforms Containing the Glnâ†'Pro Extracellular Domain Mutation of the Fatty Rat*. Endocrinology, 1998, 139, 3681-3690.	1.4	66
31	Deficiency of fibroblast growth factor 21 (FGF21) promotes hepatocellular carcinoma (HCC) in mice on a long term obesogenic diet. Molecular Metabolism, 2018, 13, 56-66.	3.0	65
32	Obesity research springs a proton leak. Nature Genetics, 1997, 15, 223-224.	9.4	50
33	Cardiovascular Abnormalities in Transgenic Mice With Reduced Brown Fat. Circulation, 1999, 100, 2177-2183.	1.6	49
34	AgRP in energy balance: Will the real AgRP please stand up?. Cell Metabolism, 2006, 3, 83-85.	7.2	49
35	Starvation in the Midst of Plenty: Reflections on the History and Biology of Insulin and Leptin. Endocrine Reviews, 2019, 40, 1-16.	8.9	47
36	Pushing the envelope on lipodystrophy. Nature Genetics, 2000, 24, 103-104.	9.4	41

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37	Irreproducibility of published bioscience research: Diagnosis, pathogenesis and therapy. Molecular Metabolism, 2017, 6, 2-9.	3.0	36
38	Activation of SOCS-3 Messenger Ribonucleic Acid in the Hypothalamus by Ciliary Neurotrophic Factor. , 0, .		34
39	Beta-adrenergic receptors are critical for weight loss but not for other metabolic adaptations to the consumption of a ketogenic diet in male mice. Molecular Metabolism, 2017, 6, 854-862.	3.0	33
40	NEUROSCIENCE: Regulating Energy Balance: The Substrate Strikes Back. Science, 2006, 312, 861-864.	6.0	30
41	Fibroblast growth factor 21 has no direct role in regulating fertility in female mice. Molecular Metabolism, 2016, 5, 690-698.	3.0	29
42	Liver-derived FGF21 is essential for full adaptation to ketogenic diet but does not regulate glucose homeostasis. Endocrine, 2020, 67, 95-108.	1.1	28
43	CELL BIOLOGY: Enhanced: Chewing the Fat–ACC and Energy Balance. Science, 2001, 291, 2558-2559.	6.0	28
44	Gut Check: Testing a Role for the Intestinal Microbiome in Human Obesity. Science Translational Medicine, 2009, 1, 6ps7.	5.8	24
45	Lasker Lauds Leptin. Cell, 2010, 143, 9-12.	13.5	24
46	Hormone resistance in diabetes and obesity: insulin, leptin, and FGF21. Yale Journal of Biology and Medicine, 2012, 85, 405-14.	0.2	19
47	Insulin: A pacesetter for the shape of modern biomedical science and the Nobel Prize. Molecular Metabolism, 2021, 52, 101194.	3.0	18
48	What Fuels Fat. Scientific American, 2007, 297, 72-81.	1.0	15
49	Conflict of Interest Among Medical School Faculty. JAMA - Journal of the American Medical Association, 2017, 317, 1731.	3.8	11
50	Categorizing biomedical research: the basics of translation. FASEB Journal, 2017, 31, 3210-3215.	0.2	9
51	Lasker Lauds Leptin. Cell Metabolism, 2010, 12, 317-320.	7.2	7
52	Credit and Priority in Scientific Discovery: A Scientistâ€™s Perspective. Perspectives in Biology and Medicine, 2019, 62, 189-215.	0.3	5
53	Dealing with Consequences of Irreproducibility and Modifying the Published Literature: Retractions versus Revisions. Cell Metabolism, 2017, 26, 695-696.	7.2	4
54	C. Ronald Kahn: The Louisville Slugger of metabolic science. Journal of Clinical Investigation, 2019, 129, 5066-5070.	3.9	3

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55	Distributions of leptin receptor mRNA isoforms in the rat brain. , 1998, 395, 535.		2
56	Health care reform: without a correct diagnosis, there is no cure. Journal of Clinical Investigation, 2009, 119, 2850-2852.	3.9	1
57	Is France Once Again Looking for a Scapegoat?. Pathogens and Immunity, 2021, 6, 149-152.	1.4	1
58	Credit and Priority in Scientific Discovery: A Scientistâ€™s Perspective. Perspectives in Biology and Medicine, 2019, , .	0.3	0