Tim R Nagy

List of Publications by Year
in descending order

105 papers	5,700 citations	94433 37 h-index	82547 72 g-index
106 all docs	106 docs citations	106 times ranked	8167 citing authors

#	Article	IF	Citations
1	Disruption of Intraflagellar Transport in Adult Mice Leads to Obesity and Slow-Onset Cystic Kidney Disease. Current Biology, 2007, 17, 1586-1594.	3.9	425
2	SIRT1 Is Significantly Elevated in Mouse and Human Prostate Cancer. Cancer Research, 2007, 67, 6612-6618.	0.9	403
3	Visceral fat, insulin sensitivity, and lipids in prepubertal children.. Diabetes, 1999, 48, 1515-1521.	0.6	287
4	Precision and Accuracy of Dualâ€Energy Xâ€ray Absorptiometry for Determining in Vivo Body Composition of Mice. Obesity, 2000, 8, 392-398.	4.0	260
5	Relationships between Rodent White Adipose Fat Pads and Human White Adipose Fat Depots. Frontiers in Nutrition, 2016, 3, 10.	3.7	239
6	Variations in body weight, food intake and body composition after long-term high-fat diet feeding in C57BL/6J mice. Obesity, 2014, 22, 2147-2155.	3.0	217
7	Developmental Changes in Energy Expenditure and Physical Activity in Children: Evidence for a Decline in Physical Activity in Girls Before Puberty. Pediatrics, 1998, 101, 887-891.	2.1	209
8	Do adaptive changes in metabolic rate favor weight regain in weight-reduced individuals? An examination of the set-point theory. American Journal of Clinical Nutrition, 2000, 72, 1088-1094.	4.7	186
9	Identification of brown adipose tissue in mice with fatâ€“water IDEALâ€MRI. Journal of Magnetic Resonance Imaging, 2010, 31, 1195-1202.	3.4	131
10	Differential effects of a centrally acting fatty acid synthase inhibitor in lean and obese mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1921-1925.	7.1	130
11	Effects of Gender, Ethnicity, Body Composition, and Fat Distribution on Serum Leptin Concentrations in Children1. Journal of Clinical Endocrinology and Metabolism, 1997, 82, 2148-2152.	3.6	128
12	Effects of Gender, Ethnicity, Body Composition, and Fat Distribution on Serum Leptin Concentrations in Children. Journal of Clinical Endocrinology and Metabolism, 1997, 82, 2148-2152.	3.6	114
13	Chronic Exposure to a High-Fat Diet Induces Hepatic Steatosis, Impairs Nitric Oxide Bioavailability, and Modifies the Mitochondrial Proteome in Mice. Antioxidants and Redox Signaling, 2011, 15, 447-459.	5.4	104
14	Dietary Acrylamide and Human Cancer: A Systematic Review of Literature. Nutrition and Cancer, 2014, 66, 774-790.	2.0	104
15	Mice Lacking Phosphatidylinositol Transfer Protein-Î± Exhibit Spinocerebellar Degeneration, Intestinal and Hepatic Steatosis, and Hypoglycemia. Journal of Biological Chemistry, 2003, 278, 33501-33518.	3.4	103
16	Strain variation in the response of body temperature to dietary restriction. Mechanisms of Ageing and Development, 2003, 124, 663-678.	4.6	102
17	Antipsychotic drug-induced weight gain: development of an animal model. International Journal of Obesity, 2005, 29, 607-614.	3.4	101
18	Effect of Group vs. Single Housing on Phenotypic Variance in C57BL/6J Mice. Obesity, 2002, 10, 412-415.	4.0	86

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19	Osteoclast Apoptosis: The Role of Fasin Vivoandin Vitro. Endocrinology, 2003, 144, 5545-5555.	2.8	84
20	Leptin resistance is a secondary consequence of the obesity in ciliopathy mutant mice. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7796-7801.	7.1	82
21	Corticotropin-Releasing Factor Receptor-2-Deficient Mice Display Abnormal Homeostatic Responses to Challenges of Increased Dietary Fat and Cold. Endocrinology, 2003, 144, 2580-2587.	2.8	79
22	Calorie restriction: what recent results suggest for the future of ageing research. European Journal of Clinical Investigation, 2010, 40, 440-450.	3.4	73
23	Role of Phytoestrogens in Cancer Therapy. Planta Medica, 2010, 76, 1132-1142.	1.3	71
24	Increased trabecular bone and improved biomechanics in an osteocalcin null rat model created by CRISPR/Cas9 technology. DMM Disease Models and Mechanisms, 2016, 9, 1169-1179.	2.4	66
25	Urocortin 2 modulates glucose utilization and insulin sensitivity in skeletal muscle. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16580-16585.	7.1	65
26	Energy Acquisition and Allocation in Male Collared Lemmings (Dicrostonyx groenlandicus): Effects of Photoperiod, Temperature, and Diet Quality. Physiological Zoology, 1993, 66, 537-560.	1.5	59
27	Osteogenic Differentiation of Recombinant Adeno-Associated Virus 2-Transduced Murine Mesenchymal Stem Cells and Development of an Immunocompetent Mouse Model forEx VivoOsteoporosis Gene Therapy. Human Gene Therapy, 2004, 15, 1197-1206.	2.7	59
28	Validation of Peripheral Dual-Energy X-Ray Absorptiometry for the Measurement of Bone Mineral in Intact and Excised Long Bones of Rats*. Journal of Bone and Mineral Research, 2001, 16, 1682-1687.	2.8	55
29	Effect of exercise and calorie restriction on biomarkers of aging in mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1618-R1627.	1.8	55
30	AZT Enhances Osteoclastogenesis and Bone Loss. AIDS Research and Human Retroviruses, 2004, 20, 608-620.	1.1	51
31	Mild Calorie Restriction Induces Fat Accumulation in Female C57BL/6J Mice. Obesity, 2010, 18, 456-462.	3.0	49
32	Molecules Mimicking Smad1 Interacting with Hox Stimulate Bone Formation. Journal of Biological Chemistry, 2004, 279, 11313-11319.	3.4	44
33	Feeding microstructure in dietâ€induced obesity susceptible versus resistant rats: central effects of urocortin 2. Journal of Physiology, 2007, 583, 487-504.	2.9	44
34	Cancer Progression in the Transgenic Adenocarcinoma of Mouse Prostate Mouse Is Related to Energy Balance, Body Mass, and Body Composition, but not Food Intake. Cancer Research, 2007, 67, 417-424.	0.9	43
35	Dietary Protein Source Influence on Body Size and Composition in Growing Zebrafish. Zebrafish, 2013, 10, 439-446.	1.1	40
36	Therapeutic potential of genetically modified adult stem cells for osteopenia. Gene Therapy, 2010, 17, 105-116.	4.5	39

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37	Risperidone alters food intake, core body temperature, and locomotor activity in mice. Physiology and Behavior, 2009, 96, 457-463.	2.1	38
38	Phenotypic effects of calorie restriction and insulin-like growth factor-1 treatment on body composition and bone mineral density of C57BL/6 mice: implications for cancer prevention. In Vivo, 2005, 19, 667-74.	1.3	37
39	Effects of Energy Expenditure and Ucp1 on Photoperiodâ€Induced Weight Gain in Collared Lemmings. Obesity, 2002, 10, 541-550.	4.0	36
40	Validation of Body Condition Indices and Quantitative Magnetic Resonance in Estimating Body Composition in a Small Lizard. Journal of Experimental Zoology, 2016, 325, 588-597.	1.2	36
41	Role of UCP2 and UCP3 in nutrition and obesity. Nutrition, 2004, 20, 139-144.	2.4	35
42	Relationships between Dietary Fat, Body Fat, and Serum Lipid Profile in Prepubertal Children. Obesity, 1998, 6, 400-407.	4.0	34
43	Racial differences in adiponectin and leptin in healthy premenopausal women. Endocrine, 2013, 43, 586-592.	2.3	34
44	Serum Leptin and Energy Expenditure in Children¹. Journal of Clinical Endocrinology and Metabolism, 1997, 82, 4149-4153.	3.6	32
45	High-intensity interval training and calorie restriction promote remodeling of glucose and lipid metabolism in diet-induced obesity. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E243-E256.	3.5	32
46	Activation of the Retinoid X Receptor Suppresses Appetite in the Rat. Endocrinology, 2004, 145, 565-573.	2.8	31
47	Obesity in Children: Recent Advances in Energy Metabolism and Body Composition. Obesity, 1995, 3, 277-289.	4.0	30
48	Observational research rigour alone does not justify causal inference. European Journal of Clinical Investigation, 2016, 46, 985-993.	3.4	30
49	Effects of Photoperiod History and Temperature on Male Collared Lemmings, Dicrostonyx groenlandicus. Journal of Mammalogy, 1993, 74, 990-998.	1.3	29
50	High-fat diet exacerbates inflammation and cell survival signals in the skin of ultraviolet B-irradiated C57BL/6 mice. Toxicology and Applied Pharmacology, 2009, 241, 303-310.	2.8	29
51	Evaluation of Liver Fatty Acid Oxidation in the Leptin-Deficient Obese Mouse. Molecular Genetics and Metabolism, 2002, 75, 219-226.	1.1	28
52	Body Composition in a Seasonal Model of Obesity: Longitudinal Measures and Validation of DXA. Obesity, 2002, 10, 1180-1187.	4.0	28
53	The Effect of Mannan Oligosaccharide Supplementation on Body Weight Gain and Fat Accrual in C57Bl/6J Mice. Obesity, 2010, 18, 995-999.	3.0	28
54	Dietary Strontium Increases Bone Mineral Density in Intact Zebrafish (Danio rerio): A Potential Model System for Bone Research. Zebrafish, 2010, 7, 267-273.	1.1	28

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55	Measurement of interscapular brown adipose tissue of mice in differentially housed temperatures by chemicalâ€shiftâ€“encoded waterâ€“fat MRI. Journal of Magnetic Resonance Imaging, 2013, 38, 1425-1433.	3.4	28
56	Weight Cycling Increases Longevity Compared with Sustained Obesity in Mice. Obesity, 2018, 26, 1733-1739.	3.0	28
57	Long-term effects of high-fat or high-carbohydrate diets on glucose tolerance in mice with heterozygous carnitine palmitoyltransferase-1a deficiency. Nutrition and Diabetes, 2011, 1, e14-e14.	3.2	27
58	Carnitine Palmitoyltransferase 1b Deficiency Protects Mice from Diet-Induced Insulin Resistance. Journal of Diabetes & Metabolism, 2014, 05, 361.	0.2	27
59	The translation of age-related body composition findings from rodents to humans. European Journal of Clinical Nutrition, 2019, 73, 172-178.	2.9	26
60	Endocrine Correlates of Seasonal Body Mass Dynamics in the Collared Lemming (Dicrostonyx) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	0.7	25
61	Weight change affects serum leptin and corticosterone in the collared lemming. General and Comparative Endocrinology, 2004, 136, 30-36.	1.8	25
62	Microâ€computed tomographic analysis of bone healing subsequent to graft placement. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 88B, 611-618.	3.4	25
63	Maternal Western diet increases adiposity even in male offspring of obesity-resistant rat dams: early endocrine risk markers. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R1045-R1059.	1.8	25
64	Non-invasive measure of body composition of snakes using dual-energy X-ray absorptiometry. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2003, 136, 379-389.	1.8	24
65	Estradiol May Limit Lipid Oxidation via Cpt 1 Expression and Hormonal Mechanisms. Obesity, 2002, 10, 167-172.	4.0	23
66	HIV Protease Inhibitor Ritonavir Induces Lipoatrophy in Male Mice. AIDS Research and Human Retroviruses, 2003, 19, 1141-1150.	1.1	23
67	Quantification of Absolute Fat Mass by Magnetic Resonance Imaging: a Validation Study against Chemical Analysis. International Journal of Body Composition Research, 2011, 9, 111-122.	0.5	23
68	Serum Leptin Concentrations and Weight Gain in Postobese, Postmenopausal Women. Obesity, 1998, 6, 257-261.	4.0	22
69	The Effect of Class A Scavenger Receptor Deficiency in Bone. Journal of Biological Chemistry, 2007, 282, 4653-4660.	3.4	21
70	Role of prolactin and the gonads in seasonal physiological changes in the collared lemming (Dicrostonyx groenlandicus). The Journal of Experimental Zoology, 1993, 266, 92-101.	1.4	19
71	Quantitative Trait Loci Specifying the Response of Body Temperature to Dietary Restriction. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2004, 59, B118-B125.	3.6	19
72	Intraâ€Abdominal Adipose Tissue Is Independently Associated With Sexâ€Hormone Binding Globulin in Premenopausal Women. Obesity, 2012, 20, 1012-1015.	3.0	19

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73	Mks6 mutations reveal tissueâ€and cell typeâ€specific roles for the cilia transition zone. FASEB Journal, 2019, 33, 1440-1455.	0.5	19
74	Noninvasive measurements of body composition and body water via quantitative magnetic resonance, deuterium water, and dual-energy x-ray absorptiometry in awake and sedated dogs. American Journal of Veterinary Research, 2013, 74, 733-743.	0.6	18
75	Threshold photoperiods for the induction of short day traits in collared lemmings (Dicrostonyx) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.4	17
76	Photoperiod effects on body mass, body composition, growth hormone, and thyroid hormones in male collared lemmings (Dicrostonyx groenlandicus). Canadian Journal of Zoology, 1994, 72, 1726-1734.	1.0	17
77	Influence of Photoperiod, Time, and Sex on Hormone Concentrations in Collared Lemmings (Dicrostonyx groenlandicus). General and Comparative Endocrinology, 1996, 101, 53-62.	1.8	17
78	Aging and energeticsâ€™ â€˜Top 40â€™ future research opportunities 2010-2013. F1000Research, 2014, 3, 219.	1.6	17
79	S-(â^')equol producing status not associated with breast cancer risk among low isoflavone-consuming US postmenopausal women undergoing a physician-recommended breast biopsy. Nutrition Research, 2014, 34, 116-125.	2.9	17
80	The Role of European Genetic Admixture in the Etiology of the Insulin Resistance Syndrome in Children: Are the Effects Mediated by Fat Accumulation?. Journal of Pediatrics, 2010, 157, 50-56.e1.	1.8	16
81	Mammography utilization among Black and White Medicare beneficiaries in high breast cancer mortality US counties. Cancer Causes and Control, 2013, 24, 2187-2196.	1.8	15
82	Noninvasive measurements of body composition and body water via quantitative magnetic resonance, deuterium water, and dual-energy x-ray absorptiometry in cats. American Journal of Veterinary Research, 2013, 74, 721-732.	0.6	15
83	Adiposity and Reproductive Cycling Status in Zoo African Elephants. Obesity, 2018, 26, 103-110.	3.0	14
84	Development of collared lemmings,Dicrostonyx groenlandicus, is influenced by pre- and postweaning photoperiods. The Journal of Experimental Zoology, 1993, 267, 533-542.	1.4	13
85	Effect of Photoperiod, Testosterone, and Estradiol on Body Mass, Bifid Claw Size, and Pelage Color in Collared Lemmings (Dicrostonyx groenlandicus). General and Comparative Endocrinology, 1994, 93, 459-470.	1.8	13
86	Comparison of the Lunar DPX-L and Prodigy dual-energy X-ray absorptiometers for assessing total and regional body composition. International Journal of Body Composition Research, 2005, 3, 25-30.	0.5	13
87	Results of Extremelyâ€lowâ€birthâ€weight Infants Randomized to Receive Extra Enteral Calcium Supply. Journal of Pediatric Gastroenterology and Nutrition, 2011, 53, 339-345.	1.8	11
88	Effects of risperidone on energy balance in female C57BL/6J mice. Obesity, 2013, 21, 1850-1857.	3.0	9
89	Validation of Dualâ€energy Xâ€ray Absorptiometry to Predict Body Composition of Channel Catfish, Ictalurus punctatus. Journal of the World Aquaculture Society, 2017, 48, 122-131.	2.4	9
90	Adiposity, reproductive and metabolic health, and activity levels in zoo Asian elephant (Elephas) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.7	9

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91	Effect of dairy supplementation on body composition and insulin resistance in mice. Nutrition, 2007, 23, 836-843.	2.4	8
92	Response of collared lemmings to melatonin: I. Implants and photoperiod. Journal of Pineal Research, 1994, 17, 177-184.	7.4	7
93	Response of collared lemmings to melatonin: II. Infusions and photoperiod. Journal of Pineal Research, 1994, 17, 185-194.	7.4	7
94	Effect of feeding on circulating micronutrient concentrations in the Burmese python (Python) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 2001, 129, 673-679.	1.8	7
95	Chemical-shift water-fat MRI of white adipose depots: inability to resolve cell size differences. International Journal of Body Composition Research, 2013, 11, 9-16.	0.5	5
96	Ucp3 Expression during Weight Gain and Loss, Cold Exposure, and Fasting in the Collared Lemming. Obesity, 2004, 12, 1690-1697.	4.0	3
97	Reduced Mitogenicity of Sera Following Weight Loss in Premenopausal Women. Nutrition and Cancer, 2011, 63, 916-923.	2.0	3
98	Fat mass compared to four body condition scoring systems in the Asian elephant (Elephas maximus). Zoo Biology, 2019, 38, 424-433.	1.2	3
99	Measurement of Body and Liver Fat in Small Animals Using Peripheral Quantitative Computed Tomography. International Journal of Body Composition Research, 2004, 1, 155-160.	0.5	3
100	Atypical antipsychotic drugs inhibit trabecular bone accrual in C57BL/6J mice. International Journal of Body Composition Research, 2013, 11, 21-24.	0.5	2
101	Dual-Energy X-Ray Absorptiometry Analysis of Implants in Rat Tibiae. Implant Dentistry, 2005, 14, 294-300.	1.3	1
102	Osteogenic Differentiation of Recombinant Adeno-Associated Virus 2-Transduced Murine Mesenchymal Stem Cells and Development of an Immunocompetent Mouse Model for Ex Vivo Osteoporosis Gene Therapy. Human Gene Therapy, 2004, .	2.7	1
103	No Significant Effect of Maternal Perception of the Food Environment on Reproductive Success or Pup Outcomes in C57BL/6J Mice. Obesity, 2018, 26, 723-729.	3.0	0
104	ASSESSMENT OF A MICROPLATE SYSTEM FOR MEASURING INDIVIDUAL REAL-TIME RESPIRATION IN SMALL MODEL ORGANISMS OF AGING. Innovation in Aging, 2019, 3, S918-S919.	0.1	0
105	SEX HORMONES AND ARTHRITIS IN A LONG-LIVED ANIMAL MODEL, THE ELEPHANT. Innovation in Aging, 2019, 3, S925-S926.	0.1	0