

Oren Froy

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

5,529
citations

76326

40
h-index

79698

73
g-index

80
all docs

80
docs citations

80
times ranked

6416
citing authors

#	ARTICLE	IF	CITATIONS
1	High Caloric intake at breakfast vs. dinner differentially influences weight loss of overweight and obese women. <i>Obesity</i> , 2013, 21, 2504-2512.	3.0	437
2	Metabolism and Circadian Rhythms—Implications for Obesity. <i>Endocrine Reviews</i> , 2010, 31, 1-24.	20.1	434
3	Timed high-fat diet resets circadian metabolism and prevents obesity. <i>FASEB Journal</i> , 2012, 26, 3493-3502.	0.5	308
4	The relationship between nutrition and circadian rhythms in mammals. <i>Frontiers in Neuroendocrinology</i> , 2007, 28, 61-71.	5.2	239
5	The two CRYs of the butterfly. <i>Current Biology</i> , 2005, 15, R953-R954.	3.9	217
6	Biochemical and metabolic mechanisms by which dietary whey protein may combat obesity and Type 2 diabetes. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1-5.	4.2	206
7	Illuminating the Circadian Clock in Monarch Butterfly Migration. <i>Science</i> , 2003, 300, 1303-1305.	12.6	187
8	Connecting the Navigational Clock to Sun Compass Input in Monarch Butterfly Brain. <i>Neuron</i> , 2005, 46, 457-467.	8.1	183
9	Meal timing and composition influence ghrelin levels, appetite scores and weight loss maintenance in overweight and obese adults. <i>Steroids</i> , 2012, 77, 323-331.	1.8	130
10	Dynamic Diversification from a Putative Common Ancestor of Scorpion Toxins Affecting Sodium, Potassium, and Chloride Channels. <i>Journal of Molecular Evolution</i> , 1999, 48, 187-196.	1.8	129
11	Regulation of mammalian defensin expression by Toll-like receptor-dependent and independent signalling pathways. <i>Cellular Microbiology</i> , 2005, 7, 1387-1397.	2.1	129
12	Fasting Until Noon Triggers Increased Postprandial Hyperglycemia and Impaired Insulin Response After Lunch and Dinner in Individuals With Type 2 Diabetes: A Randomized Clinical Trial. <i>Diabetes Care</i> , 2015, 38, 1820-1826.	8.6	124
13	Incretin, insulinotropic and glucose-lowering effects of whey protein pre-load in type 2 diabetes: a randomised clinical trial. <i>Diabetologia</i> , 2014, 57, 1807-1811.	6.3	122
14	Influences of Breakfast on Clock Gene Expression and Postprandial Glycemia in Healthy Individuals and Individuals With Diabetes: A Randomized Clinical Trial. <i>Diabetes Care</i> , 2017, 40, 1573-1579.	8.6	119
15	High-Fat Diet Delays and Fasting Advances the Circadian Expression of Adiponectin Signaling Components in Mouse Liver. <i>Endocrinology</i> , 2009, 150, 161-168.	2.8	116
16	Circadian Rhythms, Aging, and Life Span in Mammals. <i>Physiology</i> , 2011, 26, 225-235.	3.1	116
17	Identification of Structural Elements of a Scorpion $\hat{\pm}$ -Neurotoxin Important for Receptor Site Recognition. <i>Journal of Biological Chemistry</i> , 1997, 272, 14810-14816.	3.4	115
18	Redox Potential. <i>Current Biology</i> , 2002, 12, 147-152.	3.9	110

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19	Effect of feeding regimens on circadian rhythms: Implications for aging and longevity. <i>Aging</i> , 2010, 2, 7-27.	3.1	110
20	The Circadian Clock in White and Brown Adipose Tissue: Mechanistic, Endocrine, and Clinical Aspects. <i>Endocrine Reviews</i> , 2018, 39, 261-273.	20.1	102
21	Molecular Basis of the High Insecticidal Potency of Scorpion δ -Toxins. <i>Journal of Biological Chemistry</i> , 2004, 279, 31679-31686.	3.4	96
22	High-energy breakfast with low-energy dinner decreases overall daily hyperglycaemia in type 2 diabetic patients: a randomised clinical trial. <i>Diabetologia</i> , 2015, 58, 912-919.	6.3	92
23	Arthropod and mollusk defensins – evolution by exon-shuffling. <i>Trends in Genetics</i> , 2003, 19, 684-687.	6.7	90
24	Circadian oscillation of innate immunity components in mouse small intestine. <i>Molecular Immunology</i> , 2007, 44, 1954-1960.	2.2	90
25	Long-term restricted feeding alters circadian expression and reduces the level of inflammatory and disease markers. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 2745-2759.	3.6	88
26	The circadian clock and metabolism. <i>Clinical Science</i> , 2011, 120, 65-72.	4.3	72
27	Metformin affects the circadian clock and metabolic rhythms in a tissue-specific manner. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 1796-1806.	3.8	70
28	Long-lived δ -MUPA transgenic mice exhibit pronounced circadian rhythms. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 291, E1017-E1024.	3.5	65
29	The interrelations among feeding, circadian rhythms and ageing. <i>Progress in Neurobiology</i> , 2007, 82, 142-150.	5.7	62
30	High-fat Diet Followed by Fasting Disrupts Circadian Expression of Adiponectin Signaling Pathway in Muscle and Adipose Tissue. <i>Obesity</i> , 2010, 18, 230-238.	3.0	59
31	Cytochrome P450 and the Biological Clock in Mammals. <i>Current Drug Metabolism</i> , 2009, 10, 104-115.	1.2	58
32	Effects of caloric intake timing on insulin resistance and hyperandrogenism in lean women with polycystic ovary syndrome. <i>Clinical Science</i> , 2013, 125, 423-432.	4.3	57
33	Effect of intermittent fasting on circadian rhythms in mice depends on feeding time. <i>Mechanisms of Ageing and Development</i> , 2009, 130, 154-160.	4.6	54
34	Reduction in Glycated Hemoglobin and Daily Insulin Dose Alongside Circadian Clock Upregulation in Patients With Type 2 Diabetes Consuming a Three-Meal Diet: A Randomized Clinical Trial. <i>Diabetes Care</i> , 2019, 42, 2171-2180.	8.6	54
35	Circadian Rhythms and Obesity in Mammals. <i>ISRN Obesity</i> , 2012, 2012, 1-12.	2.2	46
36	Expression of human δ -defensin 1 is regulated via c-Myc and the biological clock. <i>Molecular Immunology</i> , 2008, 45, 3163-3167.	2.2	45

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37	The circadian clock machinery controls adiponectin expression. <i>Molecular and Cellular Endocrinology</i> , 2015, 399, 284-287.	3.2	45
38	Effect of dietary fat and the circadian clock on the expression of brain-derived neurotrophic factor (BDNF). <i>Molecular and Cellular Endocrinology</i> , 2016, 430, 49-55.	3.2	44
39	New insight on scorpion divergence inferred from comparative analysis of toxin structure, pharmacology and distribution. <i>Toxicon</i> , 2003, 42, 549-555.	1.6	43
40	High-energy breakfast based on whey protein reduces body weight, postprandial glycemia and HbA 1C in Type 2 diabetes. <i>Journal of Nutritional Biochemistry</i> , 2017, 49, 1-7.	4.2	43
41	Differential effect of insulin treatment on decreased levels of beta-defensins and Toll-like receptors in diabetic rats. <i>Molecular Immunology</i> , 2007, 44, 796-802.	2.2	39
42	Long-lived mice exhibit 24h locomotor circadian rhythms at young and old age. <i>Experimental Gerontology</i> , 2011, 46, 606-609.	2.8	39
43	Clock Gene Disruption Is an Initial Manifestation of Inflammatory Bowel Diseases. <i>Clinical Gastroenterology and Hepatology</i> , 2020, 18, 115-122.e1.	4.4	36
44	Mouse intestinal cryptidins exhibit circadian oscillation. <i>FASEB Journal</i> , 2005, 19, 1920-1922.	0.5	35
45	Arthropod defensins illuminate the divergence of scorpion neurotoxins. <i>Journal of Peptide Science</i> , 2004, 10, 714-718.	1.4	30
46	Convergent evolution of invertebrate defensins and nematode antibacterial factors. <i>Trends in Microbiology</i> , 2005, 13, 314-319.	7.7	30
47	Circadian aspects of energy metabolism and aging. <i>Ageing Research Reviews</i> , 2013, 12, 931-940.	10.9	29
48	The Circadian Clock Drives Mast Cell Functions in Allergic Reactions. <i>Frontiers in Immunology</i> , 2018, 9, 1526.	4.8	28
49	Effect of brain-derived neurotrophic factor (BDNF) on hepatocyte metabolism. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 88, 69-74.	2.8	27
50	Caffeine alters circadian rhythms and expression of disease and metabolic markers. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 829-838.	2.8	26
51	Ketogenic diet delays the phase of circadian rhythms and does not affect AMP-activated protein kinase (AMPK) in mouse liver. <i>Molecular and Cellular Endocrinology</i> , 2015, 417, 124-130.	3.2	25
52	Development of Criteria for a Positive Front-of-Package Food Labeling: The Israeli Case. <i>Nutrients</i> , 2020, 12, 1875.	4.1	22
53	Differential Expression of Rat β -Defensins. <i>IUBMB Life</i> , 2005, 57, 41-43.	3.4	21
54	Defensins in Systemic Lupus Erythematosus. <i>Annals of the New York Academy of Sciences</i> , 2009, 1173, 365-369.	3.8	21

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55	Relationship Between Calorie Restriction and the Biological Clock: Lessons from Long-Lived Transgenic Mice. <i>Rejuvenation Research</i> , 2008, 11, 467-471.	1.8	20
56	IgE-dependent activation of human mast cells and fMLP-mediated activation of human eosinophils is controlled by the circadian clock. <i>Molecular Immunology</i> , 2015, 64, 76-81.	2.2	20
57	Long-term commercial cow's milk consumption and its effects on metabolic parameters associated with obesity in young mice. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 1061-1068.	3.3	19
58	Relationship between FGF21 and UCP1 levels under time-restricted feeding and high-fat diet. <i>Journal of Nutritional Biochemistry</i> , 2017, 40, 116-121.	4.2	19
59	Non-obesogenic doses of fatty acids modulate the functionality of the circadian clock in the liver. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 1795-1806.	5.4	15
60	All-trans retinoic acid modifies the expression of clock and disease marker genes. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 209-217.	4.2	14
61	Metabolic effect of fluvoxamine in mouse peripheral tissues. <i>Molecular and Cellular Endocrinology</i> , 2016, 424, 12-22.	3.2	12
62	Serotonin suppresses food anticipatory activity and synchronizes the food-entrainable oscillator during time-restricted feeding. <i>Behavioural Brain Research</i> , 2016, 297, 150-154.	2.2	11
63	Effect of metformin and lipid emulsion on the circadian gene expression in muscle cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 53, 151-161.	2.8	10
64	Non-obesogenic doses of palmitate disrupt circadian metabolism in adipocytes. <i>Adipocyte</i> , 2019, 8, 392-400.	2.8	10
65	REV-ERB α alters circadian rhythms by modulating mTOR signaling. <i>Molecular and Cellular Endocrinology</i> , 2021, 521, 111108.	3.2	10
66	Relationship among chrononutrition, sleep, and glycemic control in women with gestational diabetes mellitus: a randomized controlled trial. <i>American Journal of Obstetrics & Gynecology MFM</i> , 2022, 4, 100660.	2.6	9
67	Dexamethasone induces high-amplitude rhythms in preadipocytes, But hinders circadian expression in differentiated adipocytes. <i>Chronobiology International</i> , 2013, 30, 837-842.	2.0	7
68	Differential effect of fructose on fat metabolism and clock gene expression in hepatocytes vs . myotubes. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 77, 35-40.	2.8	6
69	REV-ERB α activates the mTOR signalling pathway and promotes myotubes differentiation. <i>Biology of the Cell</i> , 2020, 112, 213-221.	2.0	6
70	Concentrating carbohydrates before sleep improves feeding regulation and metabolic and inflammatory parameters in mice. <i>Molecular and Cellular Endocrinology</i> , 2015, 414, 29-41.	3.2	5
71	Defensin carriers for better mucosal immunity in the digestive system. <i>International Journal of Pharmaceutics</i> , 2010, 393, 264-268.	5.2	4
72	Serotonin Prevents Differentiation of Brown Adipocytes by Interfering with Their Clock. <i>Obesity</i> , 2019, 27, 2018-2024.	3.0	4

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73	Time-Restricted Feeding in Commercial Layer Chickens Improves Egg Quality in Old Age and Points to Lack of Adipostat Activity in Chickens. <i>Frontiers in Physiology</i> , 2021, 12, 651738.	2.8	4
74	Resveratrol Induces the Fasting State and Alters Circadian Metabolism in Hepatocytes. <i>Plant Foods for Human Nutrition</i> , 2022, 77, 128-134.	3.2	4
75	Association Between Phase Shifts, Expression Levels, and Amplitudes in Peripheral Circadian Clocks. <i>Chronobiology International</i> , 2013, 30, 618-627.	2.0	3
76	Serum from type 2 diabetes patients consuming a three-meal diet resets circadian rhythms in cultured hepatocytes. <i>Diabetes Research and Clinical Practice</i> , 2021, 178, 108941.	2.8	1
77	Response to Comment on Jakubowicz et al. Reduction in Glycated Hemoglobin and Daily Insulin Dose Alongside Circadian Clock Upregulation in Patients With Type 2 Diabetes Consuming a Three-Meal Diet: A Randomized Clinical Trial. <i>Diabetes Care</i> 2019;42:2171-2180. <i>Diabetes Care</i> , 2020, 43, e13-e14.	8.6	0
78	Long-lived and Obesity Resistant Mice Exhibit 24 h Locomotor Circadian Rhythms at Young and Old Age. <i>FASEB Journal</i> , 2013, 27, 1205.3.	0.5	0