Oren Froy

List of Publications by Year
in descending order

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	Resveratrol Induces the Fasting State and Alters Circadian Metabolism in Hepatocytes. Plant Foods for Human Nutrition, 2022, 77, 128-134.	3.2	4
2	Relationship among chrononutrition, sleep, and glycemic control in women with gestational diabetes mellitus: a randomized controlled trial. American Journal of Obstetrics & Gynecology MFM, 2022, 4, 100660.	2.6	9
3	REV-ERBÎ± alters circadian rhythms by modulating mTOR signaling. Molecular and Cellular Endocrinology, 2021, 521, 111108.	3.2	10
4	Time-Restricted Feeding in Commercial Layer Chickens Improves Egg Quality in Old Age and Points to Lack of Adipostat Activity in Chickens. Frontiers in Physiology, 2021, 12, 651738.	2.8	4
5	Serum from type 2 diabetes patients consuming a three-meal diet resets circadian rhythms in cultured hepatocytes. Diabetes Research and Clinical Practice, 2021, 178, 108941.	2.8	1
6	Clock Gene Disruption Is an Initial Manifestation of Inflammatory Bowel Diseases. Clinical Gastroenterology and Hepatology, 2020, 18, 115-122.e1.	4.4	36
7	Development of Criteria for a Positive Front-of-Package Food Labeling: The Israeli Case. Nutrients, 2020, 12, 1875.	4.1	22
8	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. Diabetes Care 2019;42:2171â€“2180. Diabetes Care, 2020, 43, e13-e14.	8.6	0
9	REVâ€ERBÎ± activates the mTOR signalling pathway and promotes myotubes differentiation. Biology of the Cell, 2020, 112, 213-221.	2.0	6
10	Serotonin Prevents Differentiation of Brown Adipocytes by Interfering with Their Clock. Obesity, 2019, 27, 2018-2024.	3.0	4
11	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. Diabetes Care, 2019, 42, 2171-2180.	8.6	54
12	Non-obesogenic doses of fatty acids modulate the functionality of the circadian clock in the liver. Cellular and Molecular Life Sciences, 2019, 76, 1795-1806.	5.4	15
13	Non-obesogenic doses of palmitate disrupt circadian metabolism in adipocytes. Adipocyte, 2019, 8, 392-400.	2.8	10
14	The Circadian Clock in White and Brown Adipose Tissue: Mechanistic, Endocrine, and Clinical Aspects. Endocrine Reviews, 2018, 39, 261-273.	20.1	102
15	The Circadian Clock Drives Mast Cell Functions in Allergic Reactions. Frontiers in Immunology, 2018, 9, 1526.	4.8	28
16	Effect of brain-derived neurotrophic factor (BDNF) on hepatocyte metabolism. International Journal of Biochemistry and Cell Biology, 2017, 88, 69-74.	2.8	27
17	Influences of Breakfast on Clock Gene Expression and Postprandial Glycemia in Healthy Individuals and Individuals With Diabetes: A Randomized Clinical Trial. Diabetes Care, 2017, 40, 1573-1579.	8.6	119
18	Relationship between FGF21 and UCP1 levels under time-restricted feeding and high-fat diet. Journal of Nutritional Biochemistry, 2017, 40, 116-121.	4.2	19

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19	High-energy breakfast based on whey protein reduces body weight, postprandial glycemia and HbA 1C in Type 2 diabetes. Journal of Nutritional Biochemistry, 2017, 49, 1-7.	4.2	43
20	Effect of dietary fat and the circadian clock on the expression of brain-derived neurotrophic factor (BDNF). Molecular and Cellular Endocrinology, 2016, 430, 49-55.	3.2	44
21	Differential effect of fructose on fat metabolism and clock gene expression in hepatocytes vs . myotubes. International Journal of Biochemistry and Cell Biology, 2016, 77, 35-40.	2.8	6
22	Metabolic effect of fluvoxamine in mouse peripheral tissues. Molecular and Cellular Endocrinology, 2016, 424, 12-22.	3.2	12
23	Serotonin suppresses food anticipatory activity and synchronizes the food-entrainable oscillator during time-restricted feeding. Behavioural Brain Research, 2016, 297, 150-154.	2.2	11
24	High-energy breakfast with low-energy dinner decreases overall daily hyperglycaemia in type 2 diabetic patients: a randomised clinical trial. Diabetologia, 2015, 58, 912-919.	6.3	92
25	Concentrating carbohydrates before sleep improves feeding regulation and metabolic and inflammatory parameters in mice. Molecular and Cellular Endocrinology, 2015, 414, 29-41.	3.2	5
26	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. Diabetes Care, 2015, 38, 1820-1826.	8.6	124
27	Ketogenic diet delays the phase of circadian rhythms and does not affect AMP-activated protein kinase (AMPK) in mouse liver. Molecular and Cellular Endocrinology, 2015, 417, 124-130.	3.2	25
28	IgE-dependent activation of human mast cells and fMLP-mediated activation of human eosinophils is controlled by the circadian clock. Molecular Immunology, 2015, 64, 76-81.	2.2	20
29	The circadian clock machinery controls adiponectin expression. Molecular and Cellular Endocrinology, 2015, 399, 284-287.	3.2	45
30	Longâ€term commercial cow's milk consumption and its effects on metabolic parameters associated with obesity in young mice. Molecular Nutrition and Food Research, 2014, 58, 1061-1068.	3.3	19
31	Incretin, insulinotropic and glucose-lowering effects of whey protein pre-load in type 2 diabetes: a randomised clinical trial. Diabetologia, 2014, 57, 1807-1811.	6.3	122
32	Effect of metformin and lipid emulsion on the circadian gene expression in muscle cells. International Journal of Biochemistry and Cell Biology, 2014, 53, 151-161.	2.8	10
33	Circadian aspects of energy metabolism and aging. Ageing Research Reviews, 2013, 12, 931-940.	10.9	29
34	High Caloric intake at breakfast vs. dinner differentially influences weight loss of overweight and obese women. Obesity, 2013, 21, 2504-2512.	3.0	437
35	Association Between Phase Shifts, Expression Levels, and Amplitudes in Peripheral Circadian Clocks. Chronobiology International, 2013, 30, 618-627.	2.0	3
36	Effects of caloric intake timing on insulin resistance and hyperandrogenism in lean women with polycystic ovary syndrome. Clinical Science, 2013, 125, 423-432.	4.3	57

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37	Biochemical and metabolic mechanisms by which dietary whey protein may combat obesity and Type 2 diabetes. Journal of Nutritional Biochemistry, 2013, 24, 1-5.	4.2	206
38	Dexamethasone induces high-amplitude rhythms in preadipocytes, But hinders circadian expression in differentiated adipocytes. Chronobiology International, 2013, 30, 837-842.	2.0	7
39	Longâ€lived and Obesity Resistant Mice Exhibit 24 h Locomotor Circadian Rhythms at Young and Old Age. FASEB Journal, 2013, 27, 1205.3.	0.5	0
40	Meal timing and composition influence ghrelin levels, appetite scores and weight loss maintenance in overweight and obese adults. Steroids, 2012, 77, 323-331.	1.8	130
41	Metformin affects the circadian clock and metabolic rhythms in a tissue-specific manner. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1796-1806.	3.8	70
42	Timed highâ€fat diet resets circadian metabolism and prevents obesity. FASEB Journal, 2012, 26, 3493-3502.	0.5	308
43	All-trans retinoic acid modifies the expression of clock and disease marker genes. Journal of Nutritional Biochemistry, 2012, 23, 209-217.	4.2	14
44	Circadian Rhythms and Obesity in Mammals. ISRN Obesity, 2012, 2012, 1-12.	2.2	46
45	Circadian Rhythms, Aging, and Life Span in Mammals. Physiology, 2011, 26, 225-235.	3.1	116
46	Caffeine alters circadian rhythms and expression of disease and metabolic markers. International Journal of Biochemistry and Cell Biology, 2011, 43, 829-838.	2.8	26
47	The circadian clock and metabolism. Clinical Science, 2011, 120, 65-72.	4.3	72
48	Long-term restricted feeding alters circadian expression and reduces the level of inflammatory and disease markers. Journal of Cellular and Molecular Medicine, 2011, 15, 2745-2759.	3.6	88
49	Long-lived mice exhibitÂ24h locomotor circadian rhythms at young and old age. Experimental Gerontology, 2011, 46, 606-609.	2.8	39
50	Defensin carriers for better mucosal immunity in the digestive system. International Journal of Pharmaceutics, 2010, 393, 264-268.	5.2	4
51	Highâ€fat Diet Followed by Fasting Disrupts Circadian Expression of Adiponectin Signaling Pathway in Muscle and Adipose Tissue. Obesity, 2010, 18, 230-238.	3.0	59
52	Effect of feeding regimens on circadian rhythms: Implications for agingand longevity. Aging, 2010, 2, 7-27.	3.1	110
53	Metabolism and Circadian Rhythmsâ€"Implications for Obesity. Endocrine Reviews, 2010, 31, 1-24.	20.1	434
54	Defensins in Systemic Lupus Erythematosus. Annals of the New York Academy of Sciences, 2009, 1173, 365-369.	3.8	21

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55	Cytochrome P450 and the Biological Clock in Mammals. Current Drug Metabolism, 2009, 10, 104-115.	1.2	58
56	Effect of intermittent fasting on circadian rhythms in mice depends on feeding time. Mechanisms of Ageing and Development, 2009, 130, 154-160.	4.6	54
57	High-Fat Diet Delays and Fasting Advances the Circadian Expression of Adiponectin Signaling Components in Mouse Liver. Endocrinology, 2009, 150, 161-168.	2.8	116
58	Relationship Between Calorie Restriction and the Biological Clock: Lessons from Long-Lived Transgenic Mice. Rejuvenation Research, 2008, 11, 467-471.	1.8	20
59	Expression of human Î²-defensin 1 is regulated via c-Myc and the biological clock. Molecular Immunology, 2008, 45, 3163-3167.	2.2	45
60	The interrelations among feeding, circadian rhythms and ageing. Progress in Neurobiology, 2007, 82, 142-150.	5.7	62
61	Differential effect of insulin treatment on decreased levels of beta-defensins and Toll-like receptors in diabetic rats. Molecular Immunology, 2007, 44, 796-802.	2.2	39
62	Circadian oscillation of innate immunity components in mouse small intestine. Molecular Immunology, 2007, 44, 1954-1960.	2.2	90
63	The relationship between nutrition and circadian rhythms in mammals. Frontiers in Neuroendocrinology, 2007, 28, 61-71.	5.2	239
64	Long-lived Î±MUPA transgenic mice exhibit pronounced circadian rhythms. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E1017-E1024.	3.5	65
65	Regulation of mammalian defensin expression by Toll-like receptor-dependent and independent signalling pathways. Cellular Microbiology, 2005, 7, 1387-1397.	2.1	129
66	The two CRYs of the butterfly. Current Biology, 2005, 15, R953-R954.	3.9	217
67	Mouse intestinal cryptdins exhibit circadian oscillation. FASEB Journal, 2005, 19, 1920-1922.	0.5	35
68	Convergent evolution of invertebrate defensins and nematode antibacterial factors. Trends in Microbiology, 2005, 13, 314-319.	7.7	30
69	Connecting the Navigational Clock to Sun Compass Input in Monarch Butterfly Brain. Neuron, 2005, 46, 457-467.	8.1	183
70	Differential Expression of Rat Î²-Defensins. IUBMB Life, 2005, 57, 41-43.	3.4	21
71	Molecular Basis of the High Insecticidal Potency of Scorpion Î±-Toxins. Journal of Biological Chemistry, 2004, 279, 31679-31686.	3.4	96
72	Arthropod defensins illuminate the divergence of scorpion neurotoxins. Journal of Peptide Science, 2004, 10, 714-718.	1.4	30

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73	Arthropod and mollusk defensins â€“ evolution by exon-shuffling. Trends in Genetics, 2003, 19, 684-687.	6.7	90
74	Illuminating the Circadian Clock in Monarch Butterfly Migration. Science, 2003, 300, 1303-1305.	12.6	187
75	New insight on scorpion divergence inferred from comparative analysis of toxin structure, pharmacology and distribution. Toxicon, 2003, 42, 549-555.	1.6	43
76	Redox Potential. Current Biology, 2002, 12, 147-152.	3.9	110
77	Dynamic Diversification from a Putative Common Ancestor of Scorpion Toxins Affecting Sodium, Potassium, and Chloride Channels. Journal of Molecular Evolution, 1999, 48, 187-196.	1.8	129
78	Identification of Structural Elements of a Scorpion Î±-Neurotoxin Important for Receptor Site Recognition. Journal of Biological Chemistry, 1997, 272, 14810-14816.	3.4	115