Gad Asher

List of Publications by Year
in descending order

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45	6,708	159585	223800
papers	citations	30 h-index	46 g-index

46	46	46	7512
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SIRT1 Regulates Circadian Clock Gene Expression through PER2 Deacetylation. Cell, 2008, 134, 317-328.	28.9	1,183
2	Time for Food: The Intimate Interplay between Nutrition, Metabolism, and the Circadian Clock. Cell, 2015, 161, 84-92.	28.9	608
3	Crosstalk between Components of Circadian and Metabolic Cycles in Mammals. Cell Metabolism, 2011, 13, 125-137.	16.2	527
4	Crosstalk between metabolism and circadian clocks. Nature Reviews Molecular Cell Biology, 2019, 20, 227-241.	37.0	375
5	Circadian Clocks and Feeding Time Regulate the Oscillations and Levels of Hepatic Triglycerides. Cell Metabolism, 2014, 19, 319-330.	16.2	326
6	A mechanism of ubiquitin-independent proteasomal degradation of the tumor suppressors p53 and p73. Genes and Development, 2005, 19, 316-321.	5.9	325
7	Poly(ADP-Ribose) Polymerase 1 Participates in the Phase Entrainment of Circadian Clocks to Feeding. Cell, 2010, 142, 943-953.	28.9	309
8	NQO1 stabilizes p53 through a distinct pathway. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3099-3104.	7.1	240
9	Guidelines for Genome-Scale Analysis of Biological Rhythms. Journal of Biological Rhythms, 2017, 32, 380-393.	2.6	237
10	Rhythmic Oxygen Levels Reset Circadian Clocks through HIF1Î±. Cell Metabolism, 2017, 25, 93-101.	16.2	220
11	Circadian Clock Control of Liver Metabolic Functions. Gastroenterology, 2016, 150, 574-580.	1.3	209
12	Mdm-2 and ubiquitin-independent p53 proteasomal degradation regulated by NQO1. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13125-13130.	7.1	203
13	Circadian control of oscillations in mitochondrial rate-limiting enzymes and nutrient utilization by PERIOD proteins. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1673-82.	7.1	190
14	20S proteasomes and protein degradation â€œby defaultâ€• BioEssays, 2006, 28, 844-849.	2.5	175
15	The Crystal Structure of NAD(P)H Quinone Oxidoreductase 1 in Complex with Its Potent Inhibitor Dicoumarol. Biochemistry, 2006, 45, 6372-6378.	2.5	145
16	20S Proteasomal Degradation of Ornithine Decarboxylase Is Regulated by NQO1. Molecular Cell, 2005, 17, 645-655.	9.7	139
17	Inhibition of NAD(P)H:quinone oxidoreductase 1 activity and induction of p53 degradation by the natural phenolic compound curcumin. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5535-5540.	7.1	138
18	Lipidomics Analyses Reveal Temporal and Spatial Lipid Organization and Uncover Daily Oscillations in Intracellular Organelles. Molecular Cell, 2016, 62, 636-648.	9.7	120

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19	Circadian Clock Control by Polyamine Levels through a Mechanism that Declines with Age. Cell Metabolism, 2015, 22, 874-885.	16.2	113
20	Physiological and Molecular Dissection of Daily Variance in Exercise Capacity. Cell Metabolism, 2019, 30, 78-91.e4.	16.2	111
21	Operational definition of intrinsically unstructured protein sequences based on susceptibility to the 20S proteasome. Proteins: Structure, Function and Bioinformatics, 2008, 70, 1357-1366.	2.6	93
22	Hypoxia induces a time- and tissue-specific response that elicits intertissue circadian clock misalignment. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 779-786.	7.1	79
23	Oxygen and Carbon Dioxide Rhythms Are Circadian Clock Controlled and Differentially Directed by Behavioral Signals. Cell Metabolism, 2019, 29, 1092-1103.e3.	16.2	78
24	The liver-clock coordinates rhythmicity of peripheral tissues in response to feeding. Nature Metabolism, 2021, 3, 829-842.	11.9	70
25	p53 Proteasomal Degradation: Poly-Ubiquitination is Not the Whole Story. Cell Cycle, 2005, 4, 1015-1018.	2.6	66
26	The Circadian Nature of Mitochondrial Biology. Frontiers in Endocrinology, 2016, 7, 162.	3.5	63
27	p53 hot-spot mutants are resistant to ubiquitin-independent degradation by increased binding to NAD(P)H:quinone oxidoreductase 1. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15065-15070.	7.1	57
28	The emerging roles of lipids in circadian control. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 1017-1025.	2.4	51
29	Mechanisms of Protein Degradation: An Odyssey with ODC. Cell Cycle, 2005, 4, 1461-1464.	2.6	46
30	A CLOCK-less clock. Trends in Cell Biology, 2006, 16, 547-549.	7.9	37
31	The Liver in the Eyes of a Chronobiologist. Journal of Biological Rhythms, 2016, 31, 115-124.	2.6	29
32	Clock proteins and training modify exercise capacity in a daytime-dependent manner. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	21
33	p53-Dependent Apoptosis and NAD(P)H:Quinone Oxidoreductase 1. Methods in Enzymology, 2004, 382, 278-293.	1.0	18
34	Ultradian rhythms of AKT phosphorylation and gene expression emerge in the absence of the circadian clock components Per1 and Per2. PLoS Biology, 2021, 19, e3001492.	5.6	17
35	Circadian clocks' interactions with oxygen sensing and signalling. Acta Physiologica, 2022, 234, e13770.	3.8	12
36	The PXDLS linear motif regulates circadian rhythmicity through proteinâ€“protein interactions. Nucleic Acids Research, 2014, 42, 11879-11890.	14.5	11

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37	Circadian control of mitochondrial dynamics and functions. Current Opinion in Physiology, 2018, 5, 25-29.	1.8	11
38	Circa-SCOPE: high-throughput live single-cell imaging method for analysis of circadian clock resetting. Nature Communications, 2021, 12, 5903.	12.8	10
39	Ubiquitin-independent degradation: lessons from the p53 model. Israel Medical Association Journal, 2006, 8, 229-32.	0.1	10
40	Circadian Organelles: Rhythms at All Scales. Cells, 2021, 10, 2447.	4.1	9
41	Beyond circadian rhythms: emerging roles of ultradian rhythms in control of liver functions. Hepatology, 2023, 77, 1022-1035.	7.3	8
42	Monitoring daytime differences in moderate intensity exercise capacity using treadmill test and muscle dissection. STAR Protocols, 2021, 2, 100331.	1.2	7
43	Liver size: Waning by day, Waxing by Night. Hepatology, 2018, 67, 441-443.	7.3	5
44	The liver by day and by night. Journal of Hepatology, 2021, 74, 1240-1242.	3.7	4
45	A Lipidomics View of Circadian Biology. Methods in Molecular Biology, 2021, 2130, 157-168.	0.9	2