

Gad Asher

List of Publications by Year in descending order

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45
papers

6,708
citations

159358

30
h-index

223531

46
g-index

46
all docs

46
docs citations

46
times ranked

7512
citing authors

#	ARTICLE	IF	CITATIONS
1	SIRT1 Regulates Circadian Clock Gene Expression through PER2 Deacetylation. <i>Cell</i> , 2008, 134, 317-328.	13.5	1,183
2	Time for Food: The Intimate Interplay between Nutrition, Metabolism, and the Circadian Clock. <i>Cell</i> , 2015, 161, 84-92.	13.5	608
3	Crosstalk between Components of Circadian and Metabolic Cycles in Mammals. <i>Cell Metabolism</i> , 2011, 13, 125-137.	7.2	527
4	Crosstalk between metabolism and circadian clocks. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 227-241.	16.1	375
5	Circadian Clocks and Feeding Time Regulate the Oscillations and Levels of Hepatic Triglycerides. <i>Cell Metabolism</i> , 2014, 19, 319-330.	7.2	326
6	A mechanism of ubiquitin-independent proteasomal degradation of the tumor suppressors p53 and p73. <i>Genes and Development</i> , 2005, 19, 316-321.	2.7	325
7	Poly(ADP-Ribose) Polymerase 1 Participates in the Phase Entrainment of Circadian Clocks to Feeding. <i>Cell</i> , 2010, 142, 943-953.	13.5	309
8	NQO1 stabilizes p53 through a distinct pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3099-3104.	3.3	240
9	Guidelines for Genome-Scale Analysis of Biological Rhythms. <i>Journal of Biological Rhythms</i> , 2017, 32, 380-393.	1.4	237
10	Rhythmic Oxygen Levels Reset Circadian Clocks through HIF1 α . <i>Cell Metabolism</i> , 2017, 25, 93-101.	7.2	220
11	Circadian Clock Control of Liver Metabolic Functions. <i>Gastroenterology</i> , 2016, 150, 574-580.	0.6	209
12	Mdm-2 and ubiquitin-independent p53 proteasomal degradation regulated by NQO1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 13125-13130.	3.3	203
13	Circadian control of oscillations in mitochondrial rate-limiting enzymes and nutrient utilization by PERIOD proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1673-82.	3.3	190
14	20S proteasomes and protein degradation "by default". <i>BioEssays</i> , 2006, 28, 844-849.	1.2	175
15	The Crystal Structure of NAD(P)H Quinone Oxidoreductase 1 in Complex with Its Potent Inhibitor Dicoumarol. <i>Biochemistry</i> , 2006, 45, 6372-6378.	1.2	145
16	20S Proteasomal Degradation of Ornithine Decarboxylase Is Regulated by NQO1. <i>Molecular Cell</i> , 2005, 17, 645-655.	4.5	139
17	Inhibition of NAD(P)H:quinone oxidoreductase 1 activity and induction of p53 degradation by the natural phenolic compound curcumin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5535-5540.	3.3	138
18	Lipidomics Analyses Reveal Temporal and Spatial Lipid Organization and Uncover Daily Oscillations in Intracellular Organelles. <i>Molecular Cell</i> , 2016, 62, 636-648.	4.5	120

#	ARTICLE	IF	CITATIONS
19	Circadian Clock Control by Polyamine Levels through a Mechanism that Declines with Age. <i>Cell Metabolism</i> , 2015, 22, 874-885.	7.2	113
20	Physiological and Molecular Dissection of Daily Variance in Exercise Capacity. <i>Cell Metabolism</i> , 2019, 30, 78-91.e4.	7.2	111
21	Operational definition of intrinsically unstructured protein sequences based on susceptibility to the 20S proteasome. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 70, 1357-1366.	1.5	93
22	Hypoxia induces a time- and tissue-specific response that elicits intertissue circadian clock misalignment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 779-786.	3.3	79
23	Oxygen and Carbon Dioxide Rhythms Are Circadian Clock Controlled and Differentially Directed by Behavioral Signals. <i>Cell Metabolism</i> , 2019, 29, 1092-1103.e3.	7.2	78
24	The liver-clock coordinates rhythmicity of peripheral tissues in response to feeding. <i>Nature Metabolism</i> , 2021, 3, 829-842.	5.1	70
25	p53 Proteasomal Degradation: Poly-Ubiquitination is Not the Whole Story. <i>Cell Cycle</i> , 2005, 4, 1015-1018.	1.3	66
26	The Circadian Nature of Mitochondrial Biology. <i>Frontiers in Endocrinology</i> , 2016, 7, 162.	1.5	63
27	p53 hot-spot mutants are resistant to ubiquitin-independent degradation by increased binding to NAD(P)H:quinone oxidoreductase 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 15065-15070.	3.3	57
28	The emerging roles of lipids in circadian control. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 1017-1025.	1.2	51
29	Mechanisms of Protein Degradation: An Odyssey with ODC. <i>Cell Cycle</i> , 2005, 4, 1461-1464.	1.3	46
30	A CLOCK-less clock. <i>Trends in Cell Biology</i> , 2006, 16, 547-549.	3.6	37
31	The Liver in the Eyes of a Chronobiologist. <i>Journal of Biological Rhythms</i> , 2016, 31, 115-124.	1.4	29
32	Clock proteins and training modify exercise capacity in a daytime-dependent manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	21
33	p53-Dependent Apoptosis and NAD(P)H:Quinone Oxidoreductase 1. <i>Methods in Enzymology</i> , 2004, 382, 278-293.	0.4	18
34	Ultradian rhythms of AKT phosphorylation and gene expression emerge in the absence of the circadian clock components Per1 and Per2. <i>PLoS Biology</i> , 2021, 19, e3001492.	2.6	17
35	Circadian clocks' interactions with oxygen sensing and signalling. <i>Acta Physiologica</i> , 2022, 234, e13770.	1.8	12
36	The PXDLS linear motif regulates circadian rhythmicity through protein-protein interactions. <i>Nucleic Acids Research</i> , 2014, 42, 11879-11890.	6.5	11

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37	Circadian control of mitochondrial dynamics and functions. <i>Current Opinion in Physiology</i> , 2018, 5, 25-29.	0.9	11
38	Circa-SCOPE: high-throughput live single-cell imaging method for analysis of circadian clock resetting. <i>Nature Communications</i> , 2021, 12, 5903.	5.8	10
39	Ubiquitin-independent degradation: lessons from the p53 model. <i>Israel Medical Association Journal</i> , 2006, 8, 229-32.	0.1	10
40	Circadian Organelles: Rhythms at All Scales. <i>Cells</i> , 2021, 10, 2447.	1.8	9
41	Beyond circadian rhythms: emerging roles of ultradian rhythms in control of liver functions. <i>Hepatology</i> , 2023, 77, 1022-1035.	3.6	8
42	Monitoring daytime differences in moderate intensity exercise capacity using treadmill test and muscle dissection. <i>STAR Protocols</i> , 2021, 2, 100331.	0.5	7
43	Liver size: Waning by day, Waxing by Night. <i>Hepatology</i> , 2018, 67, 441-443.	3.6	5
44	The liver by day and by night. <i>Journal of Hepatology</i> , 2021, 74, 1240-1242.	1.8	4
45	A Lipidomics View of Circadian Biology. <i>Methods in Molecular Biology</i> , 2021, 2130, 157-168.	0.4	2