

Charna Dibner

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

5,355
citations

218677

26
h-index

175258

52
g-index

53
all docs

53
docs citations

53
times ranked

6008
citing authors

#	ARTICLE	IF	CITATIONS
1	The Mammalian Circadian Timing System: Organization and Coordination of Central and Peripheral Clocks. <i>Annual Review of Physiology</i> , 2010, 72, 517-549.	13.1	1,971
2	SIRT1 Regulates Circadian Clock Gene Expression through PER2 Deacetylation. <i>Cell</i> , 2008, 134, 317-328.	28.9	1,183
3	Differential display of DNA-binding proteins reveals heat-shock factor 1 as a circadian transcription factor. <i>Genes and Development</i> , 2008, 22, 331-345.	5.9	202
4	Circadian timing of metabolism in animal models and humans. <i>Journal of Internal Medicine</i> , 2015, 277, 513-527.	6.0	200
5	Circadian gene expression is resilient to large fluctuations in overall transcription rates. <i>EMBO Journal</i> , 2009, 28, 123-134.	7.8	134
6	Autonomous and self-sustained circadian oscillators displayed in human islet cells. <i>Diabetologia</i> , 2013, 56, 497-507.	6.3	92
7	Transcriptomic analyses reveal rhythmic and CLOCK-driven pathways in human skeletal muscle. <i>ELife</i> , 2018, 7, .	6.0	87
8	Pancreatic $\hat{1}^{\pm}$ - and $\hat{1}^2$ -cellular clocks have distinct molecular properties and impact on islet hormone secretion and gene expression. <i>Genes and Development</i> , 2017, 31, 383-398.	5.9	84
9	Human skeletal myotubes display a cell-autonomous circadian clock implicated in basal myokine secretion. <i>Molecular Metabolism</i> , 2015, 4, 834-845.	6.5	78
10	A functional circadian clock is required for proper insulin secretion by human pancreatic islet cells. <i>Diabetes, Obesity and Metabolism</i> , 2016, 18, 355-365.	4.4	77
11	Circadian Gene Expression in Cultured Cells. <i>Methods in Enzymology</i> , 2005, 393, 543-557.	1.0	74
12	Circadian Clock Characteristics Are Altered in Human Thyroid Malignant Nodules. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 4446-4456.	3.6	74
13	Lipidomics reveals diurnal lipid oscillations in human skeletal muscle persisting in cellular myotubes cultured in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8565-E8574.	7.1	74
14	The Circadian Clock Starts Ticking at a Developmentally Early Stage. <i>Journal of Biological Rhythms</i> , 2010, 25, 442-449.	2.6	72
15	In pancreatic islets from type 2 diabetes patients, the dampened circadian oscillators lead to reduced insulin and glucagon exocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2484-2495.	7.1	69
16	Coupled network of the circadian clocks: a driving force of rhythmic physiology. <i>FEBS Letters</i> , 2020, 594, 2734-2769.	2.8	65
17	The GLP-1R agonist liraglutide limits hepatic lipotoxicity and inflammatory response in mice fed a methionine-choline deficient diet. <i>Translational Research</i> , 2021, 227, 75-88.	5.0	61
18	Thyroid Circadian Timing. <i>Journal of Biological Rhythms</i> , 2015, 30, 76-83.	2.6	59

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19	Circadian hepatocyte clocks keep synchrony in the absence of a master pacemaker in the suprachiasmatic nucleus or other extrahepatic clocks. <i>Genes and Development</i> , 2021, 35, 329-334.	5.9	56
20	Human Peripheral Clocks: Applications for Studying Circadian Phenotypes in Physiology and Pathophysiology. <i>Frontiers in Neurology</i> , 2015, 6, 95.	2.4	55
21	Glucose Homeostasis: Regulation by Peripheral Circadian Clocks in Rodents and Humans. <i>Endocrinology</i> , 2017, 158, 1074-1084.	2.8	49
22	Circadian clocks guide dendritic cells into skin lymphatics. <i>Nature Immunology</i> , 2021, 22, 1375-1381.	14.5	47
23	Circadian Clocks Make Metabolism Run. <i>Journal of Molecular Biology</i> , 2020, 432, 3680-3699.	4.2	45
24	Multi-technique comparison of atherogenic and MCD NASH models highlights changes in sphingolipid metabolism. <i>Scientific Reports</i> , 2019, 9, 16810.	3.3	34
25	The importance of being rhythmic: Living in harmony with your body clocks. <i>Acta Physiologica</i> , 2020, 228, e13281.	3.8	29
26	Ether lipids, sphingolipids and toxic 1-oleoacylceramides as hallmarks for lean and obese type 2 diabetic patients. <i>Acta Physiologica</i> , 2021, 232, e13610.	3.8	29
27	Biological Rhythms and Preeclampsia. <i>Frontiers in Endocrinology</i> , 2013, 4, 47.	3.5	28
28	MicroRNAs modulate core-clock gene expression in pancreatic islets during early postnatal life in rats. <i>Diabetologia</i> , 2017, 60, 2011-2020.	6.3	25
29	Identification of new biomarkers for human papillary thyroid carcinoma employing NanoString analysis. <i>Oncotarget</i> , 2015, 6, 10978-10993.	1.8	24
30	Identification of CHEK1, SLC26A4, c-KIT, TPO and TG as new biomarkers for human follicular thyroid carcinoma. <i>Oncotarget</i> , 2016, 7, 45776-45788.	1.8	22
31	The Meis3 protein and retinoid signaling interact to pattern the <i>Xenopus</i> hindbrain. <i>Developmental Biology</i> , 2004, 271, 75-86.	2.0	21
32	The Effects of Shift Work on Cardio-Metabolic Diseases and Eating Patterns. <i>Nutrients</i> , 2021, 13, 4178.	4.1	21
33	A software solution for recording circadian oscillator features in time-lapse live cell microscopy. <i>Cell Division</i> , 2010, 5, 17.	2.4	20
34	Circadian Dysfunction and Obesity: Is Leptin the Missing Link?. <i>Cell Metabolism</i> , 2015, 22, 359-360.	16.2	18
35	Identification of Differential Transcriptional Patterns in Primary and Secondary Hyperparathyroidism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 2189-2198.	3.6	17
36	Circadian rhythm of lipid metabolism. <i>Biochemical Society Transactions</i> , 2022, 50, 1191-1204.	3.4	15

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37	On the robustness of mammalian circadian oscillators. <i>Cell Cycle</i> , 2009, 8, 677-682.	2.6	14
38	A pancreatic clock times insulin release. <i>Science</i> , 2015, 350, 628-629.	12.6	14
39	Circadian orchestration of insulin and glucagon release. <i>Cell Cycle</i> , 2017, 16, 1141-1142.	2.6	14
40	Parallel Measurement of Circadian Clock Gene Expression and Hormone Secretion in Human Primary Cell Cultures. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	13
41	Cellular circadian period length inversely correlates with HbA1c levels in individuals with type 2 diabetes. <i>Diabetologia</i> , 2019, 62, 1453-1462.	6.3	13
42	The core clock transcription factor BMAL1 drives circadian \hat{I}^2 -cell proliferation during compensatory regeneration of the endocrine pancreas. <i>Genes and Development</i> , 2020, 34, 1650-1665.	5.9	13
43	The search for preoperative biomarkers for thyroid carcinoma: application of the thyroid circadian clock properties. <i>Biomarkers in Medicine</i> , 2017, 11, 285-293.	1.4	11
44	Time zones of pancreatic islet metabolism. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 116-126.	4.4	10
45	Validation of molecular biomarkers for preoperative diagnostics of human papillary thyroid carcinoma in fine needle aspirates. <i>Gland Surgery</i> , 2019, 8, S62-S76.	1.1	9
46	High-Resolution Recording of the Circadian Oscillator in Primary Mouse \hat{I}^{\pm} - and \hat{I}^2 -Cell Culture. <i>Frontiers in Endocrinology</i> , 2017, 8, 68.	3.5	7
47	Glucose Uptake Measurement and Response to Insulin Stimulation in <i>In Vitro</i> Cultured Human Primary Myotubes. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	6
48	Proinflammatory Cytokines Perturb Mouse and Human Pancreatic Islet Circadian Rhythmicity and Induce Uncoordinated \hat{I}^2 -Cell Clock Gene Expression via Nitric Oxide, Lysine Deacetylases, and Immunoproteasomal Activity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 83.	4.1	6
49	Paraoxonase 1 (PON1) and pomegranate influence circadian gene expression and period length. <i>Chronobiology International</i> , 2016, 33, 453-461.	2.0	5
50	Circadian Lipidomics: Analysis of Lipid Metabolites Around the Clock. <i>Methods in Molecular Biology</i> , 2021, 2130, 169-183.	0.9	4
51	On the robustness of mammalian circadian oscillators. <i>Cell Cycle</i> , 2009, 8, 681-2.	2.6	2
52	Sex-specific modulation of circulating growth differentiation factor-15 in patients with type 2 diabetes and/or obesity. <i>Endocrine Connections</i> , 2022, 11, .	1.9	2