

# Steven A Brown

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

7,643  
citations

94433

37  
h-index

98798

67  
g-index

70  
all docs

70  
docs citations

70  
times ranked

7810  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resetting of Circadian Time in Peripheral Tissues by Glucocorticoid Signaling. <i>Science</i> , 2000, 289, 2344-2347.	12.6	1,591
2	Rhythms of Mammalian Body Temperature Can Sustain Peripheral Circadian Clocks. <i>Current Biology</i> , 2002, 12, 1574-1583.	3.9	516
3	The human circadian metabolome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2625-2629.	7.1	515
4	Peripheral Circadian Oscillators in Mammals: Time and Food. <i>Journal of Biological Rhythms</i> , 2003, 18, 250-260.	2.6	470
5	The mammalian circadian timing system: from gene expression to physiology. <i>Chromosoma</i> , 2004, 113, 103-12.	2.2	316
6	The Period Length of Fibroblast Circadian Gene Expression Varies Widely among Human Individuals. <i>PLoS Biology</i> , 2005, 3, e338.	5.6	277
7	PERIOD1-Associated Proteins Modulate the Negative Limb of the Mammalian Circadian Oscillator. <i>Science</i> , 2005, 308, 693-696.	12.6	248
8	Medicine in the Fourth Dimension. <i>Cell Metabolism</i> , 2019, 30, 238-250.	16.2	245
9	Molecular insights into human daily behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1602-1607.	7.1	238
10	Circadian behavior is light-reprogrammed by plastic DNA methylation. <i>Nature Neuroscience</i> , 2014, 17, 377-382.	14.8	218
11	NONO couples the circadian clock to the cell cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1592-1599.	7.1	207
12	Circadian Control of DRP1 Activity Regulates Mitochondrial Dynamics and Bioenergetics. <i>Cell Metabolism</i> , 2018, 27, 657-666.e5.	16.2	186
13	Sleep-wake cycles drive daily dynamics of synaptic phosphorylation. <i>Science</i> , 2019, 366, .	12.6	181
14	Chronopharmacology: New Insights and Therapeutic Implications. <i>Annual Review of Pharmacology and Toxicology</i> , 2014, 54, 339-361.	9.4	173
15	(Re)inventing the Circadian Feedback Loop. <i>Developmental Cell</i> , 2012, 22, 477-487.	7.0	171
16	The forebrain synaptic transcriptome is organized by clocks but its proteome is driven by sleep. <i>Science</i> , 2019, 366, .	12.6	169
17	Circadian Metabolism: From Mechanisms to Metabolomics and Medicine. <i>Trends in Endocrinology and Metabolism</i> , 2016, 27, 415-426.	7.1	95
18	Peripheral Circadian Oscillators in Mammals. <i>Handbook of Experimental Pharmacology</i> , 2013, , 45-66.	1.8	93

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19	<i>Peripheral Circadian Oscillators</i> . Annals of the New York Academy of Sciences, 2008, 1129, 358-370.	3.8	92
20	Elevated Expression of Heat Shock Factor (HSF) 2A Stimulates HSF1-induced Transcription during Stress. Journal of Biological Chemistry, 2003, 278, 35465-35475.	3.4	91
21	Circadian clock-mediated control of stem cell division and differentiation: beyond night and day. Development (Cambridge), 2014, 141, 3105-3111.	2.5	91
22	The Role of Daylight for Humans: Gaps in Current Knowledge. Clocks & Sleep, 2020, 2, 61-85.	2.0	88
23	Serum factors in older individuals change cellular clock properties. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7218-7223.	7.1	84
24	The RNA-Binding Protein NONO Coordinates Hepatic Adaptation to Feeding. Cell Metabolism, 2018, 27, 404-418.e7.	16.2	79
25	The Physiological Period Length of the Human Circadian Clock In Vivo Is Directly Proportional to Period in Human Fibroblasts. PLoS ONE, 2010, 5, e13376.	2.5	76
26	The ins and outs of circadian timekeeping. Current Opinion in Genetics and Development, 1999, 9, 588-594.	3.3	74
27	Circadian Gene Expression in Cultured Cells. Methods in Enzymology, 2005, 393, 543-557.	1.0	74
28	The Circadian Clock Starts Ticking at a Developmentally Early Stage. Journal of Biological Rhythms, 2010, 25, 442-449.	2.6	72
29	Adenosine integrates light and sleep signalling for the regulation of circadian timing in mice. Nature Communications, 2021, 12, 2113.	12.8	66
30	Circadian Variation of the Human Metabolome Captured by Real-Time Breath Analysis. PLoS ONE, 2014, 9, e114422.	2.5	65
31	Mutations in NONO lead to syndromic intellectual disability and inhibitory synaptic defects. Nature Neuroscience, 2015, 18, 1731-1736.	14.8	65
32	Network Dynamics Mediate Circadian Clock Plasticity. Neuron, 2017, 93, 441-450.	8.1	63
33	Drug Pharmacokinetics Determined by Real-Time Analysis of Mouse Breath. Angewandte Chemie - International Edition, 2015, 54, 7815-7818.	13.8	55
34	Human Peripheral Clocks: Applications for Studying Circadian Phenotypes in Physiology and Pathophysiology. Frontiers in Neurology, 2015, 6, 95.	2.4	55
35	Circadian VIPergic Neurons of the Suprachiasmatic Nuclei Sculpt the Sleep-Wake Cycle. Neuron, 2020, 108, 486-499.e5.	8.1	55
36	SPINDLE: End-to-end learning from EEG/EMG to extrapolate animal sleep scoring across experimental settings, labs and species. PLoS Computational Biology, 2019, 15, e1006968.	3.2	51

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37	Aging and Circadian Disruption: Causes and Effects. <i>Aging</i> , 2011, 3, 813-817.	3.1	45
38	Distinct Roles of DBHS Family Members in the Circadian Transcriptional Feedback Loop. <i>Molecular and Cellular Biology</i> , 2012, 32, 4585-4594.	2.3	39
39	Human cellular differences in cAMP-â€‹CREB signaling correlate with light-dependent melatonin suppression and bipolar disorder. <i>European Journal of Neuroscience</i> , 2014, 40, 2206-2215.	2.6	30
40	Ether lipids, sphingolipids and toxic 1-deoxyceramides as hallmarks for lean and obese type 2 diabetic patients. <i>Acta Physiologica</i> , 2021, 232, e13610.	3.8	29
41	Systemic and Cellular Reflections on Ageing and the Circadian Oscillator â€‹ A Mini-Review. <i>Gerontology</i> , 2011, 57, 427-434.	2.8	28
42	Rapid and reversible control of human metabolism by individual sleep states. <i>Cell Reports</i> , 2021, 37, 109903.	6.4	27
43	CIRCADIAN RHYTHMS: Chronobiology--Reducing Time. <i>Science</i> , 2001, 293, 437-438.	12.6	25
44	Measuring Circadian Clock Function in Human Cells. <i>Methods in Enzymology</i> , 2015, 552, 231-256.	1.0	18
45	The bear circadian clock doesnâ€™t sleep during winter dormancy. <i>Frontiers in Zoology</i> , 2016, 13, 42.	2.0	17
46	RNA Dynamics in the Control of Circadian Rhythm. <i>Advances in Experimental Medicine and Biology</i> , 2016, 907, 107-122.	1.6	17
47	Dynamic- and Frequency-Specific Regulation of Sleep Oscillations by Cortical Potassium Channels. <i>Current Biology</i> , 2019, 29, 2983-2992.e3.	3.9	17
48	Orphan Nuclear Receptors, Molecular Clockwork, and the Entrainment of Peripheral Oscillators. <i>Novartis Foundation Symposium</i> , 2008, , 89-101.	1.1	16
49	Cross-talk between GABAergic postsynapse and microglia regulate synapse loss after brain ischemia. <i>Science Advances</i> , 2022, 8, eabj0112.	10.3	15
50	Enlightening the adrenal gland. <i>Cell Metabolism</i> , 2005, 2, 278-281.	16.2	14
51	A New Histone Code for Clocks?. <i>Science</i> , 2011, 333, 1833-1834.	12.6	13
52	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
53	Roughness and dynamics of proliferating cell fronts as a probe of cell-cell interactions. <i>Scientific Reports</i> , 2021, 11, 8869.	3.3	11
54	Deletion of Rictor in Brain and Fat Alters Peripheral Clock Gene Expression and Increases Blood Pressure. <i>Hypertension</i> , 2015, 66, 332-339.	2.7	10

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55	Clock-Controlled Mitochondrial Dynamics Correlates with Cyclic Pregnenolone Synthesis. <i>Cells</i> , 2020, 9, 2323.	4.1	9
56	The genomic landscape of human cellular circadian variation points to a novel role for the signalosome. <i>ELife</i> , 2017, 6, .	6.0	9
57	Extracellular matrix: a new player in memory maintenance and psychiatric disorders. <i>Swiss Medical Weekly</i> , 2019, 149, w20060.	1.6	6
58	Chronic Exposure to Dim Light at Night or Irregular Lighting Conditions Impact Circadian Behavior, Motor Coordination, and Neuronal Morphology. <i>Frontiers in Neuroscience</i> , 2022, 16, 855154.	2.8	6
59	Circadian rhythms: Mop up the clock!. <i>Current Biology</i> , 2001, 11, R268-R270.	3.9	5
60	Marching to another clock. <i>Science</i> , 2020, 367, 740-741.	12.6	5
61	Circadian Metabolomics: Insights for Biology and Medicine. <i>Research and Perspectives in Endocrine Interactions</i> , 2016, , 79-85.	0.2	3
62	Measuring Circadian Rhythms in Human Cells. <i>Methods in Molecular Biology</i> , 2021, 2130, 53-67.	0.9	3
63	Beyond the molecular clock. <i>Current Opinion in Physiology</i> , 2018, 5, 109-116.	1.8	2
64	Circadian Clocks, Sleep, and Metabolism. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1344, 21-42.	1.6	2
65	Circadian influence on intrusive re-experiencing in trauma survivorsâ€™ daily lives. <i>European Journal of Psychotraumatology</i> , 2022, 13, 1899617.	2.5	2
66	Circadian Metabolomics from Breath. <i>Methods in Molecular Biology</i> , 2021, 2130, 149-156.	0.9	1