Steven A Brown

List of Publications by Year
in descending order

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	Circadian influence on intrusive re-experiencing in trauma survivorsâ€™ daily lives. European Journal of Psychotraumatology, 2022, 13, 1899617.	2.5	2
2	Cross-talk between GABAergic postsynapse and microglia regulate synapse loss after brain ischemia. Science Advances, 2022, 8, eabj0112.	10.3	15
3	Chronic Exposure to Dim Light at Night or Irregular Lighting Conditions Impact Circadian Behavior, Motor Coordination, and Neuronal Morphology. Frontiers in Neuroscience, 2022, 16, 855154.	2.8	6
4	Ether lipids, sphingolipids and toxic 1â€deoxyceramides as hallmarks for lean and obese type 2 diabetic patients. Acta Physiologica, 2021, 232, e13610.	3.8	29
5	Adenosine integrates light and sleep signalling for the regulation of circadian timing in mice. Nature Communications, 2021, 12, 2113.	12.8	66
6	Roughness and dynamics of proliferating cell fronts as a probe of cellâ€“cell interactions. Scientific Reports, 2021, 11, 8869.	3.3	11
7	Rapid and reversible control of human metabolism by individual sleep states. Cell Reports, 2021, 37, 109903.	6.4	27
8	Circadian Metabolomics from Breath. Methods in Molecular Biology, 2021, 2130, 149-156.	0.9	1
9	Measuring Circadian Rhythms in Human Cells. Methods in Molecular Biology, 2021, 2130, 53-67.	0.9	3
10	Circadian Clocks, Sleep, and Metabolism. Advances in Experimental Medicine and Biology, 2021, 1344, 21-42.	1.6	2
11	Circadian VIPergic Neurons of the Suprachiasmatic Nuclei Sculpt the Sleep-Wake Cycle. Neuron, 2020, 108, 486-499.e5.	8.1	55
12	Clock-Controlled Mitochondrial Dynamics Correlates with Cyclic Pregnenolone Synthesis. Cells, 2020, 9, 2323.	4.1	9
13	The Role of Daylight for Humans: Gaps in Current Knowledge. Clocks & Sleep, 2020, 2, 61-85.	2.0	88
14	Marching to another clock. Science, 2020, 367, 740-741.	12.6	5
15	Medicine in the Fourth Dimension. Cell Metabolism, 2019, 30, 238-250.	16.2	245
16	The forebrain synaptic transcriptome is organized by clocks but its proteome is driven by sleep. Science, 2019, 366, .	12.6	169
17	Sleep-wake cycles drive daily dynamics of synaptic phosphorylation. Science, 2019, 366, .	12.6	181
18	Dynamic- and Frequency-Specific Regulation of Sleep Oscillations by Cortical Potassium Channels. Current Biology, 2019, 29, 2983-2992.e3.	3.9	17

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19	Cellular circadian period length inversely correlates with HbA1c levels in individuals with type 2 diabetes. Diabetologia, 2019, 62, 1453-1462.	6.3	13
20	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
21	Extracellular matrix: a new player in memory maintenance and psychiatric disorders. Swiss Medical Weekly, 2019, 149, w20060.	1.6	6
22	Circadian Control of DRP1 Activity Regulates Mitochondrial Dynamics and Bioenergetics. Cell Metabolism, 2018, 27, 657-666.e5.	16.2	186
23	The RNA-Binding Protein NONO Coordinates Hepatic Adaptation to Feeding. Cell Metabolism, 2018, 27, 404-418.e7.	16.2	79
24	Beyond the molecular clock. Current Opinion in Physiology, 2018, 5, 109-116.	1.8	2
25	Network Dynamics Mediate Circadian Clock Plasticity. Neuron, 2017, 93, 441-450.	8.1	63
26	The genomic landscape of human cellular circadian variation points to a novel role for the signalosome. ELife, 2017, 6, .	6.0	9
27	Circadian Metabolism: From Mechanisms to Metabolomics and Medicine. Trends in Endocrinology and Metabolism, 2016, 27, 415-426.	7.1	95
28	The bear circadian clock doesnâ€™t â€˜sleepâ€™ during winter dormancy. Frontiers in Zoology, 2016, 13, 42.	2.0	17
29	RNA Dynamics in the Control of Circadian Rhythm. Advances in Experimental Medicine and Biology, 2016, 907, 107-122.	1.6	17
30	Circadian Metabolomics: Insights for Biology and Medicine. Research and Perspectives in Endocrine Interactions, 2016, , 79-85.	0.2	3
31	Drug Pharmacokinetics Determined by Realâ€Time Analysis of Mouse Breath. Angewandte Chemie - International Edition, 2015, 54, 7815-7818.	13.8	55
32	Human Peripheral Clocks: Applications for Studying Circadian Phenotypes in Physiology and Pathophysiology. Frontiers in Neurology, 2015, 6, 95.	2.4	55
33	Mutations in NONO lead to syndromic intellectual disability and inhibitory synaptic defects. Nature Neuroscience, 2015, 18, 1731-1736.	14.8	65
34	Measuring Circadian Clock Function in Human Cells. Methods in Enzymology, 2015, 552, 231-256.	1.0	18
35	Deletion of Rictor in Brain and Fat Alters Peripheral Clock Gene Expression and Increases Blood Pressure. Hypertension, 2015, 66, 332-339.	2.7	10
36	Circadian Variation of the Human Metabolome Captured by Real-Time Breath Analysis. PLoS ONE, 2014, 9, e114422.	2.5	65

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37	Circadian behavior is light-reprogrammed by plastic DNA methylation. Nature Neuroscience, 2014, 17, 377-382.	14.8	218
38	Chronopharmacology: New Insights and Therapeutic Implications. Annual Review of Pharmacology and Toxicology, 2014, 54, 339-361.	9.4	173
39	Circadian clock-mediated control of stem cell division and differentiation: beyond night and day. Development (Cambridge), 2014, 141, 3105-3111.	2.5	91
40	Human cellular differences in <scp>cAMP</scp> â€•<scp>CREB</scp> signaling correlate with lightâ€dependent melatonin suppression and bipolar disorder. European Journal of Neuroscience, 2014, 40, 2206-2215.	2.6	30
41	NONO couples the circadian clock to the cell cycle. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1592-1599.	7.1	207
42	Peripheral Circadian Oscillators in Mammals. Handbook of Experimental Pharmacology, 2013, , 45-66.	1.8	93
43	Distinct Roles of DBHS Family Members in the Circadian Transcriptional Feedback Loop. Molecular and Cellular Biology, 2012, 32, 4585-4594.	2.3	39
44	The human circadian metabolome. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2625-2629.	7.1	515
45	(Re)inventing the Circadian Feedback Loop. Developmental Cell, 2012, 22, 477-487.	7.0	171
46	Systemic and Cellular Reflections on Ageing and the Circadian Oscillator â€“ A Mini-Review. Gerontology, 2011, 57, 427-434.	2.8	28
47	A New Histone Code for Clocks?. Science, 2011, 333, 1833-1834.	12.6	13
48	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
49	Aging and Circadian Disruption: Causes and Effects. Aging, 2011, 3, 813-817.	3.1	45
50	The Circadian Clock Starts Ticking at a Developmentally Early Stage. Journal of Biological Rhythms, 2010, 25, 442-449.	2.6	72
51	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
52	Molecular insights into human daily behavior. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1602-1607.	7.1	238
53	Peripheral Circadian Oscillators. Annals of the New York Academy of Sciences, 2008, 1129, 358-370.	3.8	92
54	Orphan Nuclear Receptors, Molecular Clockwork, and the Entrainment of Peripheral Oscillators. Novartis Foundation Symposium, 2008, , 89-101.	1.1	16

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55	The Period Length of Fibroblast Circadian Gene Expression Varies Widely among Human Individuals. PLoS Biology, 2005, 3, e338.	5.6	277
56	PERIOD1-Associated Proteins Modulate the Negative Limb of the Mammalian Circadian Oscillator. Science, 2005, 308, 693-696.	12.6	248
57	Circadian Gene Expression in Cultured Cells. Methods in Enzymology, 2005, 393, 543-557.	1.0	74
58	Enlightening the adrenal gland. Cell Metabolism, 2005, 2, 278-281.	16.2	14
59	The mammalian circadian timing system: from gene expression to physiology. Chromosoma, 2004, 113, 103-12.	2.2	316
60	Peripheral Circadian Oscillators in Mammals: Time and Food. Journal of Biological Rhythms, 2003, 18, 250-260.	2.6	470
61	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
62	Rhythms of Mammalian Body Temperature Can Sustain Peripheral Circadian Clocks. Current Biology, 2002, 12, 1574-1583.	3.9	516
63	Circadian rhythms: Mop up the clock!. Current Biology, 2001, 11, R268-R270.	3.9	5
64	CIRCADIAN RHYTHMS: Chronobiology--Reducing Time. Science, 2001, 293, 437-438.	12.6	25
65	Resetting of Circadian Time in Peripheral Tissues by Glucocorticoid Signaling. Science, 2000, 289, 2344-2347.	12.6	1,591
66	The ins and outs of circadian timekeeping. Current Opinion in Genetics and Development, 1999, 9, 588-594.	3.3	74