Stephan Michel

List of Publications by Year
in descending order

38 papers	2,323 citations	304743 22 h-index	330143 37 g-index
39 all docs	39 docs citations	39 times ranked	1865 citing authors

#	Article	IF	Citations
1	Induction of Fatigue by Specific Anthracycline Cancer Drugs through Disruption of the Circadian Pacemaker. Cancers, 2022, 14, 2421.	3.7	0
2	A multiâ€level assessment of the bidirectional relationship between aging and the circadian clock. Journal of Neurochemistry, 2021, 157, 73-94.	3.9	17
3	Aging selectively dampens oscillation of lipid abundance in white and brown adipose tissue. Scientific Reports, 2021, 11, 5932.	3.3	16
4	Electrophysiological Approaches to Studying the Suprachiasmatic Nucleus. Methods in Molecular Biology, 2021, 2130, 303-324.	0.9	3
5	From clock to functional pacemaker. European Journal of Neuroscience, 2020, 51, 482-493.	2.6	32
6	Brief light exposure at dawn and dusk can encode dayâ€length in the neuronal network of the mammalian circadian pacemaker. FASEB Journal, 2020, 34, 13685-13695.	0.5	5
7	Aging Affects the Capacity of Photoperiodic Adaptation Downstream from the Central Molecular Clock. Journal of Biological Rhythms, 2020, 35, 167-179.	2.6	19
8	Uncovering functional signature in neural systems via random matrix theory. PLoS Computational Biology, 2019, 15, e1006934.	3.2	12
9	The influence of neuronal electrical activity on the mammalian central clock metabolome. Metabolomics, 2018, 14, 122.	3.0	5
10	Differential Phase Arrangement of Cellular Clocks along the Tonotopic Axis of the Mouse Cochlea ExÂVivo. Current Biology, 2017, 27, 2623-2629.e2.	3.9	11
11	Evidence for Weakened Intercellular Coupling in the Mammalian Circadian Clock under Long Photoperiod. PLoS ONE, 2016, 11, e0168954.	2.5	42
12	Photoperiod Modulates Fast Delayed Rectifier Potassium Currents in the Mammalian Circadian Clock. ASN Neuro, 2016, 8, 175909141667077.	2.7	5
13	Ryanodineâ€sensitive intracellular Ca²⁺ channels are involved in the output from the SCN circadian clock. European Journal of Neuroscience, 2016, 44, 2504-2514.	2.6	14
14	Age-related changes in large-conductance calcium-activated potassium channels in mammalian circadian clock neurons. Neurobiology of Aging, 2015, 36, 2176-2183.	3.1	53
15	Neurophysiological Analysis of the Suprachiasmatic Nucleus. Methods in Enzymology, 2015, 552, 75-102.	1.0	22
16	Role of vasoactive intestinal peptide in the light input to the circadian system. European Journal of Neuroscience, 2015, 42, 1839-1848.	2.6	22
17	Seasonal induction of GABAergic excitation in the central mammalian clock. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9627-9632.	7.1	101
18	Aging of the Suprachiasmatic Clock. Neuroscientist, 2014, 20, 44-55.	3.5	77

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19	Mechanism of bilateral communication in the suprachiasmatic nucleus. European Journal of Neuroscience, 2013, 37, 964-971.	2.6	32
20	Evidence for Neuronal Desynchrony in the Aged Suprachiasmatic Nucleus Clock. Journal of Neuroscience, 2012, 32, 5891-5899.	3.6	193
21	Dynamic neuronal network organization of the circadian clock and possible deterioration in disease. Progress in Brain Research, 2012, 199, 143-162.	1.4	33
22	Role of vasoactive intestinal peptide in seasonal encoding by the suprachiasmatic nucleus clock. European Journal of Neuroscience, 2012, 35, 1466-1474.	2.6	48
23	Neural Circuits Underlying Circadian Oscillations in Mammals: Clocks in a Dish. Neuromethods, 2012, , 183-210.	0.3	9
24	Circadian Regulation of A-Type Potassium Currents in the Suprachiasmatic Nucleus. Journal of Neurophysiology, 2010, 103, 632-640.	1.8	73
25	Daily and seasonal adaptation of the circadian clock requires plasticity of the SCN neuronal network. European Journal of Neuroscience, 2010, 32, 2143-2151.	2.6	97
26	PHASE OF THE ELECTRICAL ACTIVITY RHYTHM IN THE SCN IN VITRO NOT INFLUENCED BY PREPARATION TIME. Chronobiology International, 2009, 26, 1075-1089.	2.0	20
27	Phase of the Electrical Activity Rhythm in the SCN in Vitro Not Influenced by Preparation Time. Chronobiology International, 2009, 26, 1075-1089.	2.0	1
28	Phase Shifting Capacity of the Circadian Pacemaker Determined by the SCN Neuronal Network Organization. PLoS ONE, 2009, 4, e4976.	2.5	88
29	Enhanced circadian phase resetting in R192Q Ca_v2.1 calcium channel migraine mice. Annals of Neurology, 2008, 64, 315-324.	5.3	33
30	Seasonal Encoding by the Circadian Pacemaker of the SCN. Current Biology, 2007, 17, 468-473.	3.9	223
31	Processing of daily and seasonal light information in the mammalian circadian clock. General and Comparative Endocrinology, 2007, 152, 159-164.	1.8	36
32	Regulation of glutamatergic signalling by PACAP in the mammalian suprachiasmatic nucleus. BMC Neuroscience, 2006, 7, 15.	1.9	67
33	Fast delayed rectifier potassium current is required for circadian neural activity. Nature Neuroscience, 2005, 8, 650-656.	14.8	124
34	A GABAergic Mechanism Is Necessary for Coupling Dissociable Ventral and Dorsal Regional Oscillators within the Circadian Clock. Current Biology, 2005, 15, 886-893.	3.9	289
35	Circadian Rhythm in Inhibitory Synaptic Transmission in the Mouse Suprachiasmatic Nucleus. Journal of Neurophysiology, 2004, 92, 311-319.	1.8	79
36	Disrupted circadian rhythms in VIP- and PHI-deficient mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 285, R939-R949.	1.8	333

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37	Excitatory Mechanisms in the Suprachiasmatic Nucleus: The Role of AMPA/KA Glutamate Receptors. Journal of Neurophysiology, 2002, 88, 817-828.	1.8	64
38	Amine and amino acid transmitters in the eye of the molluscBulla gouldiana: An immunocytochemical study. Journal of Comparative Neurology, 2000, 425, 244-256.	1.6	24