

# Stephan Steinlechner

## List of Publications by Year in descending order

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35  
papers

1,345  
citations

471509

17  
h-index

377865

34  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1222  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonal control of energy requirements for thermoregulation in the djungarian hamster ( <i>Phodopus</i> ) Tj ETQq1 1 0.784314 rgBT /Ove and Environmental Physiology, 1981, 142, 429-437.	1.5	240
2	Seasonal pattern and energetics of short daily torpor in the Djungarian hamster, <i>Phodopus sungorus</i> . Oecologia, 1981, 48, 265-270.	2.0	184
3	Robust Circadian Rhythmicity of <i>Per1</i> and <i>Per2</i> Mutant Mice in Constant Light, and Dynamics of <i>Per1</i> and <i>Per2</i> Gene Expression under Long and Short Photoperiods. Journal of Biological Rhythms, 2002, 17, 202-209.	2.6	127
4	Low reproductive success in <i>Per1</i> and <i>Per2</i> mutant mouse females due to accelerated ageing?. Reproduction, 2008, 135, 559-568.	2.6	98
5	Impaired daily glucocorticoid rhythm in <i>Per1</i> Brd mice. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2006, 192, 769-775.	1.6	86
6	Endocrine mechanisms of seasonal adaptation in small mammals: from early results to present understanding. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2010, 180, 935-952.	1.5	77
7	Djungarian Hamsters: A Species with a Labile Circadian Pacemaker? Arrhythmicity under a Light-Dark Cycle Induced by Short Light Pulses. Journal of Biological Rhythms, 2002, 17, 248-258.	2.6	48
8	Melatonin Controls Photoperiodic Changes in Tanycyte Vimentin and Neural Cell Adhesion Molecule Expression in the Djungarian Hamster ( <i>Phodopus sungorus</i> ). Endocrinology, 2011, 152, 3871-3883.	2.8	46
9	Inhibition of 5 $\alpha$ -Deiodination of Thyroxine Suppresses the Cold-Induced Increase in Brown Adipose Tissue Messenger Ribonucleic Acid for Mitochondrial Uncoupling Protein without Influencing Lipoprotein Lipase Activity*. Endocrinology, 1990, 126, 2550-2554.	2.8	41
10	Impact of photoperiod and melatonin on reproduction in small mammals. Animal Reproduction Science, 1992, 30, 1-28.	1.5	38
11	Restoration of Circadian Rhythmicity in Circadian Clock-Deficient Mice in Constant Light. Journal of Biological Rhythms, 2006, 21, 169-176.	2.6	37
12	Induction of the Metabolic Regulator Txnip in Fasting-Induced and Natural Torpor. Endocrinology, 2013, 154, 2081-2091.	2.8	31
13	Orchestration of gene expression across the seasons: Hypothalamic gene expression in natural photoperiod throughout the year in the Siberian hamster. Scientific Reports, 2016, 6, 29689.	3.3	31
14	Circadian rhythms of pineal N-acetyltransferase activity in the Djungarian hamster, <i>Phodopus</i> <i>sungorus</i> , in response to seasonal changes of natural photoperiod. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1987, 160, 593-597.	1.6	30
15	Age and oestrus cycle-related changes in glucocorticoid excretion and wheel-running activity in female mice carrying mutations in the circadian clock genes <i>Per1</i> and <i>Per2</i> . Physiology and Behavior, 2009, 96, 57-63.	2.1	30
16	Cardiac dynamics during daily torpor in the Djungarian hamster ( <i>Phodopus sungorus</i> ). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R639-R650.	1.8	24
17	Daily Torpor Alters Multiple Gene Expression in the Suprachiasmatic Nucleus and Pineal Gland of the Djungarian Hamster ( <i>Phodopus sungorus</i> ). Chronobiology International, 2006, 23, 269-276.	2.0	19
18	Somatostatin receptor activation is involved in the control of daily torpor in a seasonal mammal. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R668-R674.	1.8	18

#	ARTICLE	IF	CITATIONS
19	Influence of torpor on cardiac expression of genes involved in the circadian clock and protein turnover in the Siberian hamster ( <i>Phodopus sungorus</i> ). <i>Physiological Genomics</i> , 2007, 31, 521-530.	2.3	17
20	Effects of wheel running on photoperiodic responses of Djungarian hamsters ( <i>Phodopus sungorus</i> ). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2008, 178, 607-615.	1.5	16
21	Effect of Exercise on Photoperiod-Regulated Hypothalamic Gene Expression and Peripheral Hormones in the Seasonal Dwarf Hamster <i>Phodopus sungorus</i> . <i>PLoS ONE</i> , 2014, 9, e90253.	2.5	15
22	Wheel running affects seasonal acclimatization of physiological and morphological traits in the Djungarian hamster ( <i>Phodopus sungorus</i> ). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R1368-R1375.	1.8	12
23	The Annual Activity Pattern of Djungarian Hamsters ( <i>Phodopus sungorus</i> ) Is Affected by Wheel-Running Activity. <i>Chronobiology International</i> , 2008, 25, 905-922.	2.0	11
24	Interstrain differences in activity pattern, pineal function, and SCN melatonin receptor density of rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999, 276, R1078-R1086.	1.8	10
25	Robust Circadian Rhythmicity of <i>Per1</i> and <i>Per2</i> Mutant Mice in Constant Light, and Dynamics of <i>Per1</i> and <i>Per2</i> Gene Expression under Long and Short Photoperiods. <i>Journal of Biological Rhythms</i> , 2002, 17, 202-209.	2.6	10
26	Daily torpor affects the molecular machinery of the circadian clock in Djungarian hamsters ( <i>Phodopus sungorus</i> ). <i>European Journal of Neuroscience</i> , 2007, 26, 2739-2746.	2.6	8
27	The Daily Melatonin Pattern in Djungarian Hamsters Depends on the Circadian Phenotype. <i>Chronobiology International</i> , 2011, 28, 873-882.	2.0	8
28	Effects of unsaturated fatty acids on torpor frequency and diet selection in Djungarian hamsters ( <i>Phodopus sungorus</i> ). <i>Journal of Experimental Biology</i> , 2014, 217, 4313-9.	1.7	8
29	Voluntary exercise at the expense of reproductive success in Djungarian hamsters ( <i>Phodopus</i> ) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 T</i>	1.8	6
30	Acclimation of intestinal morphology and function in djungarian hamsters ( <i>Phodopus</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (</i> 224, .	1.7	6
31	Trans-pineal microdialysis in the Djungarian hamster ( <i>Phodopus sungorus</i> ): a tool to study seasonal changes of circadian clock activities. <i>Journal of Pineal Research</i> , 2006, 40, 177-183.	7.4	4
32	Torpor expression in juvenile and adult Djungarian hamsters ( <i>Phodopus sungorus</i> ) differs in frequency, duration and onset in response to a daily cycle in ambient temperature. <i>Journal of Thermal Biology</i> , 2015, 53, 23-32.	2.5	3
33	Biological Rhythms of the Mouse. , 2012, , 383-407.		2
34	Djungarian hamsters ( <i>Phodopus sungorus</i> ) are not susceptible to stimulating effects of 6-methoxy-2-benzoxazolinone on reproductive organs. <i>Die Naturwissenschaften</i> , 2014, 101, 115-121.	1.6	2
35	Djungarian Hamsters: A Species with a Labile Circadian Pacemaker? Arrhythmicity under a Light-Dark Cycle Induced by Short Light Pulses. <i>Journal of Biological Rhythms</i> , 2002, 17, 248-258.	2.6	2