

# Roman V Kondratov

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40 papers	3,197 citations	27 h-index	44 g-index
44 ext. papers	3,693 ext. citations	5.6 avg, IF	5.39 L-index

#	Paper	IF	Citations
40	Early aging and age-related pathologies in mice deficient in BMAL1, the core component of the circadian clock. <i>Genes and Development</i> , <b>2006</b> , 20, 1868-73	12.6	759
39	The circadian clock and pathology of the ageing brain. <i>Nature Reviews Neuroscience</i> , <b>2012</b> , 13, 325-35	13.5	323
38	Circadian sensitivity to the chemotherapeutic agent cyclophosphamide depends on the functional status of the CLOCK/BMAL1 transactivation complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 3407-12	11.5	201
37	BMAL1-dependent circadian oscillation of nuclear CLOCK: posttranslational events induced by dimerization of transcriptional activators of the mammalian clock system. <i>Genes and Development</i> , <b>2003</b> , 17, 1921-32	12.6	195
36	BMAL1-dependent regulation of the mTOR signaling pathway delays aging. <i>Aging</i> , <b>2014</b> , 6, 48-57	5.6	137
35	Disruption of the circadian clock due to the Clock mutation has discrete effects on aging and carcinogenesis. <i>Cell Cycle</i> , <b>2008</b> , 7, 1197-204	4.7	124
34	Deficiency of circadian protein CLOCK reduces lifespan and increases age-related cataract development in mice. <i>Aging</i> , <b>2010</b> , 2, 936-44	5.6	119
33	Antioxidant N-acetyl-L-cysteine ameliorates symptoms of premature aging associated with the deficiency of the circadian protein BMAL1. <i>Aging</i> , <b>2009</b> , 1, 979-87	5.6	113
32	Circadian clock protein BMAL1 regulates cellular senescence in vivo. <i>Cell Cycle</i> , <b>2011</b> , 10, 4162-9	4.7	103
31	A role of the circadian system and circadian proteins in aging. <i>Ageing Research Reviews</i> , <b>2007</b> , 6, 12-27	12	95
30	Dual role of the CLOCK/BMAL1 circadian complex in transcriptional regulation. <i>FASEB Journal</i> , <b>2006</b> , 20, 530-2	0.9	88
29	Circadian regulation of cell cycle: Molecular connections between aging and the circadian clock. <i>Annals of Medicine</i> , <b>2010</b> , 42, 404-15	1.5	82
28	Circadian proteins in the regulation of cell cycle and genotoxic stress responses. <i>Trends in Cell Biology</i> , <b>2007</b> , 17, 311-7	18.3	82
27	Post-translational regulation of circadian transcriptional CLOCK(NPAS2)/BMAL1 complex by CRYPTOCHROMES. <i>Cell Cycle</i> , <b>2006</b> , 5, 890-5	4.7	70
26	Deficiency of circadian clock protein BMAL1 in mice results in a low bone mass phenotype. <i>Bone</i> , <b>2016</b> , 84, 194-203	4.7	69
25	Circadian clock genes as modulators of sensitivity to genotoxic stress. <i>Cell Cycle</i> , <b>2005</b> , 4, 901-7	4.7	60
24	Circadian clocks govern calorie restriction-mediated life span extension through BMAL1- and IGF-1-dependent mechanisms. <i>FASEB Journal</i> , <b>2016</b> , 30, 1634-42	0.9	55

23	Transcriptional control of antioxidant defense by the circadian clock. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 20, 2997-3006	8.4	55
22	Calorie restriction regulates circadian clock gene expression through BMAL1 dependent and independent mechanisms. <i>Scientific Reports</i> , <b>2016</b> , 6, 25970	4.9	53
21	The role of mammalian circadian proteins in normal physiology and genotoxic stress responses. <i>Current Topics in Developmental Biology</i> , <b>2007</b> , 78, 173-216	5.3	50
20	Metabolic clock generates nutrient anticipation rhythms in mTOR signaling. <i>Aging</i> , <b>2014</b> , 6, 675-89	5.6	43
19	Circadian proteins and genotoxic stress response. <i>Circulation Research</i> , <b>2010</b> , 106, 68-78	15.7	39
18	Circadian Clock Genes Are Essential for Normal Adult Neurogenesis, Differentiation, and Fate Determination. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139655	3.7	38
17	Circadian transcription factor BMAL1 regulates innate immunity against select RNA viruses. <i>Innate Immunity</i> , <b>2017</b> , 23, 147-154	2.7	34
16	Circadian clocks, diets and aging. <i>Nutrition and Healthy Aging</i> , <b>2017</b> , 4, 101-112	1.3	32
15	Pharmacological modulators of the circadian clock as potential therapeutic drugs: focus on genotoxic/anticancer therapy. <i>Handbook of Experimental Pharmacology</i> , <b>2013</b> , 289-309	3.2	30
14	Cryptochromes regulate IGF-1 production and signaling through control of JAK2-dependent STAT5B phosphorylation. <i>Molecular Biology of the Cell</i> , <b>2017</b> , 28, 834-842	3.5	29
13	Aging and calorie restriction regulate the expression of miR-125a-5p and its target genes Stat3, Casp2 and Stard13. <i>Aging</i> , <b>2017</b> , 9, 1825-1843	5.6	23
12	Calorie restriction effects on circadian rhythms in gene expression are sex dependent. <i>Scientific Reports</i> , <b>2017</b> , 7, 9716	4.9	21
11	Caloric restriction effects on liver mTOR signaling are time-of-day dependent. <i>Aging</i> , <b>2018</b> , 10, 1640-1648	5.6	16
10	Reduced caloric intake and periodic fasting independently contribute to metabolic effects of caloric restriction. <i>Aging Cell</i> , <b>2020</b> , 19, e13138	9.9	13
9	Calorie restriction reprograms diurnal rhythms in protein translation to regulate metabolism. <i>FASEB Journal</i> , <b>2019</b> , 33, 4473-4489	0.9	11
8	CR reprograms acetyl-CoA metabolism and induces long-chain acyl-CoA dehydrogenase and CrAT expression. <i>Aging Cell</i> , <b>2020</b> , 19, e13266	9.9	6
7	Cell-autonomous circadian DNA damage response: is the case closed?. <i>Cell Cycle</i> , <b>2012</b> , 11, 3720-1	4.7	2
6	It's about time; divergent circadian clocks in livers of mice and naked mole-rats. <i>FASEB Journal</i> , <b>2021</b> , 35, e21590	0.9	2

- 5 Clock at the Core of Cancer Development. *Biology*, **2021**, 10, 4.9 2
- 4 Two-meal caloric restriction induces 12-hour rhythms and improves glucose homeostasis. *FASEB Journal*, **2021**, 35, e21342 0.9 1
- 3 eIF2A-knockout mice reveal decreased life span and metabolic syndrome. *FASEB Journal*, **2021**, 35, e21900 0.9 0
- 2 Circadian Clocks and mTOR Signaling. *Healthy Ageing and Longevity*, **2017**, 193-210 0.5
- 1 Circadian Clock Mechanisms Link Aging and Inflammation **2014**, 145-155