Roman V Kondratov

List of Publications by Year
in descending order

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44	4,022	172457 29	265206 42
papers	citations	h-index	g-index

44	44	44	4550
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Early aging and age-related pathologies in mice deficient in BMAL1, the core componentof the circadian clock. Genes and Development, 2006, 20, 1868-1873.	5.9	957
2	The circadian clock and pathology of the ageing brain. Nature Reviews Neuroscience, 2012, 13, 325-335.	10.2	406
3	From The Cover: Circadian sensitivity to the chemotherapeutic agent cyclophosphamide depends on the functional status of the CLOCK/BMAL1 transactivation complex. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3407-3412.	7.1	231
4	BMAL1-dependent circadian oscillation of nuclear CLOCK: posttranslational events induced by dimerization of transcriptional activators of the mammalian clock system. Genes and Development, 2003, 17, 1921-1932.	5.9	211
5	BMAL1-dependent regulation of the mTOR signaling pathway delays aging. Aging, 2014, 6, 48-57.	3.1	179
6	Deficiency of circadian protein CLOCK reduces lifespan and increases age-related cataract development in mice. Aging, 2010, 2, 936-944.	3.1	151
7	Disruption of the circadian clock due to theClockmutation has discrete effects on aging and carcinogenesis. Cell Cycle, 2008, 7, 1197-1204.	2.6	136
8	Antioxidant N-acetyl-L-cysteine ameliorates symptoms of premature aging associated with the deficiency of the circadian protein BMAL1. Aging, 2009, 1, 979-987.	3.1	135
9	Circadian clock protein BMAL1 regulates cellular senescence in vivo. Cell Cycle, 2011, 10, 4162-4169.	2.6	127
10	A role of the circadian system and circadian proteins in aging. Ageing Research Reviews, 2007, 6, 12-27.	10.9	121
11	Dual role of the CLOCK/BMAL1 circadian complex in transcriptional regulation. FASEB Journal, 2006, 20, 530-532.	0.5	97
12	Deficiency of circadian clock protein BMAL1 in mice results in a low bone mass phenotype. Bone, 2016, 84, 194-203.	2.9	94
13	Circadian regulation of cell cycle: Molecular connections between aging and the circadian clock. Annals of Medicine, 2010, 42, 404-415.	3.8	92
14	Circadian proteins in the regulation of cell cycle and genotoxic stress responses. Trends in Cell Biology, 2007, 17, 311-317.	7.9	91
15	Calorie restriction regulates circadian clock gene expression through BMAL1 dependent and independent mechanisms. Scientific Reports, 2016, 6, 25970.	3.3	80
16	Posttranslational Regulation of Circadian Transcriptional Clock (NPAS2)/BMAL1 Complex by Cryptochromes. Cell Cycle, 2006, 5, 890-895.	2.6	75
17	Circadian clocks govern calorie restrictionâ€"mediated life span extension through BMAL1â€•and IGFâ€1â€dependent mechanisms. FASEB Journal, 2016, 30, 1634-1642.	0.5	73
18	Transcriptional Control of Antioxidant Defense by the Circadian Clock. Antioxidants and Redox Signaling, 2014, 20, 2997-3006.	5.4	70

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19	Circadian Clock Genes as Modulators of Sensitivity to Genotoxic Stress. Cell Cycle, 2005, 4, 901-907.	2.6	68
20	Circadian transcription factor BMAL1 regulates innate immunity against select RNA viruses. Innate Immunity, 2017, 23, 147-154.	2.4	58
21	Circadian Clock Genes Are Essential for Normal Adult Neurogenesis, Differentiation, and Fate Determination. PLoS ONE, 2015, 10, e0139655.	2.5	56
22	The Role of Mammalian Circadian Proteins in Normal Physiology and Genotoxic Stress Responses. Current Topics in Developmental Biology, 2007, 78, 173-216.	2.2	55
23	Metabolic clock generates nutrient anticipation rhythms in mTOR signaling. Aging, 2014, 6, 675-689.	3.1	49
24	Cryptochromes regulate IGF-1 production and signaling through control of JAK2-dependent STAT5B phosphorylation. Molecular Biology of the Cell, 2017, 28, 834-842.	2.1	47
25	Circadian Proteins and Genotoxic Stress Response. Circulation Research, 2010, 106, 68-78.	4.5	43
26	Circadian clocks, diets and aging. Nutrition and Healthy Aging, 2017, 4, 101-112.	1.1	40
27	Aging and calorie restriction regulate the expression of miR-125a-5p and its target genes Stat3, Casp2 and Stard13. Aging, 2017, 9, 1825-1843.	3.1	39
28	Pharmacological Modulators of the Circadian Clock as Potential Therapeutic Drugs: Focus on Genotoxic/Anticancer Therapy. Handbook of Experimental Pharmacology, 2013, , 289-309.	1.8	35
29	Calorie restriction effects on circadian rhythms in gene expression are sex dependent. Scientific Reports, 2017, 7, 9716.	3.3	33
30	Circadian Control of Mitochondria in Reactive Oxygen Species Homeostasis. Antioxidants and Redox Signaling, 2022, 37, 647-663.	5.4	27
31	Caloric restriction effects on liver mTOR signaling are time-of-day dependent. Aging, 2018, 10, 1640-1648.	3.1	26
32	Reduced caloric intake and periodic fasting independently contribute to metabolic effects of caloric restriction. Aging Cell, 2020, 19, e13138.	6.7	26
33	CR reprograms acetylâ€CoA metabolism and induces longâ€chain acylâ€CoA dehydrogenase and CrAT expression. Aging Cell, 2020, 19, e13266.	6.7	18
34	Rapamycin in preventive (very low) doses. Aging, 2014, 6, 158-159.	3.1	16
35	Calorie restriction reprograms diurnal rhythms in protein translation to regulate metabolism. FASEB Journal, 2019, 33, 4473-4489.	0.5	14
36	eIF2Aâ€knockout mice reveal decreased life span and metabolic syndrome. FASEB Journal, 2021, 35, e21990.	0.5	14

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37	Clock at the Core of Cancer Development. Biology, 2021, 10, 150.	2.8	10
38	Circadian clock and cancer therapy: an unexpected journey. Annals of Medicine, 2014, 46, 189-190.	3.8	9
39	Twoâ€meal caloric restriction induces 12â€hour rhythms and improves glucose homeostasis. FASEB Journal, 2021, 35, e21342.	0.5	5
40	It's about time; divergent circadian clocks in livers of mice and naked moleâ€rats. FASEB Journal, 2021, 35, e21590.	0.5	5
41	Cell-autonomous circadian DNA damage response. Cell Cycle, 2012, 11, 3720-3720.	2.6	2
42	Regulation of glucose homeostasis by calorie restriction and periodic fasting. Aging, 2020, 12, 23422-23424.	3.1	1
43	Circadian Clock Mechanisms Link Aging and Inflammation. , 2014, , 145-155.		0
44	Circadian Clocks and mTOR Signaling. Healthy Ageing and Longevity, 2017, , 193-210.	0.2	0