

Russell G Foster

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

9,626
citations

47006

47
h-index

40979

93
g-index

126
all docs

126
docs citations

126
times ranked

9394
citing authors

#	ARTICLE	IF	CITATIONS
1	Photic Entrainment of the Circadian System. <i>International Journal of Molecular Sciences</i> , 2022, 23, 729.	4.1	38
2	Rodent models in translational circadian photobiology. <i>Progress in Brain Research</i> , 2022, , 97-116.	1.4	3
3	Chronic Exposure to Dim Light at Night or Irregular Lighting Conditions Impact Circadian Behavior, Motor Coordination, and Neuronal Morphology. <i>Frontiers in Neuroscience</i> , 2022, 16, 855154.	2.8	6
4	The circadian system, sleep, and the health/disease balance: a conceptual review. <i>Journal of Sleep Research</i> , 2022, 31, .	3.2	25
5	Patient fibroblast circadian rhythms predict lithium sensitivity in bipolar disorder. <i>Molecular Psychiatry</i> , 2021, 26, 5252-5265.	7.9	18
6	Modulation of recognition memory performance by light and its relationship with cortical EEG theta and gamma activities. <i>Biochemical Pharmacology</i> , 2021, 191, 114404.	4.4	11
7	Revisiting nocturnal heart rate and heart rate variability in insomnia: A polysomnography-based comparison of young self-reported good and poor sleepers. <i>Journal of Sleep Research</i> , 2021, 30, e13278.	3.2	16
8	The relationship between fasting-induced torpor, sleep, and wakefulness in laboratory mice. <i>Sleep</i> , 2021, 44, .	1.1	10
9	Adenosine integrates light and sleep signalling for the regulation of circadian timing in mice. <i>Nature Communications</i> , 2021, 12, 2113.	12.8	66
10	Do environmental risk factors for the development of psychosis distribute differently across dimensionally assessed psychotic experiences?. <i>Translational Psychiatry</i> , 2021, 11, 226.	4.8	7
11	Circadian Biology and Stroke. <i>Stroke</i> , 2021, 52, 2180-2190.	2.0	38
12	Adverse impact of polyphasic sleep patterns in humans: Report of the National Sleep Foundation sleep timing and variability consensus panel. <i>Sleep Health</i> , 2021, 7, 293-302.	2.5	10
13	Fundamentals of circadian entrainment by light. <i>Lighting Research and Technology</i> , 2021, 53, 377-393.	2.7	9
14	Dystrophin involvement in peripheral circadian SRF signalling. <i>Life Science Alliance</i> , 2021, 4, e202101014.	2.8	1
15	Functional Brain Imaging During Extra-Ocular Light Stimulation in Anophthalmic and Sighted Participants: No Evidence for Extra-Ocular Photosensitive Receptors. <i>Frontiers in Neuroscience</i> , 2021, 15, 744543.	2.8	2
16	Dim light in the evening causes coordinated realignment of circadian rhythms, sleep, and short-term memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	20
17	Dementia in military and veteran populations: a review of risk factors—traumatic brain injury, post-traumatic stress disorder, deployment, and sleep. <i>Military Medical Research</i> , 2021, 8, 55.	3.4	11
18	Light Input to the Mammalian Circadian Clock. <i>Methods in Molecular Biology</i> , 2021, 2130, 233-247.	0.9	7

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19	Deletion of AMPA receptor GluA1 subunit gene (<i>Gria1</i>) causes circadian rhythm disruption and aberrant responses to environmental cues. <i>Translational Psychiatry</i> , 2021, 11, 588.	4.8	13
20	Melatonin. <i>Current Biology</i> , 2021, 31, R1456-R1458.	3.9	10
21	Effects of Cage Position and Light Transmission on Home Cage Activity and Circadian Entrainment in Mice. <i>Frontiers in Neuroscience</i> , 2021, 15, 832535.	2.8	5
22	The hypothalamic link between arousal and sleep homeostasis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	19
23	The Teensleep study: the effectiveness of a school-based sleep education programme at improving early adolescent sleep. <i>Sleep Medicine: X</i> , 2020, 2, 100011.	1.5	24
24	Circadian Photoentrainment in Mice and Humans. <i>Biology</i> , 2020, 9, 180.	2.8	81
25	Sleep, circadian rhythms and health. <i>Interface Focus</i> , 2020, 10, 20190098.	3.0	96
26	Sleep and stress. <i>Interface Focus</i> , 2020, 10, 20200016.	3.0	0
27	Food as a circadian time cue – evidence from human studies. <i>Nature Reviews Endocrinology</i> , 2020, 16, 213-223.	9.6	104
28	Perinatal photoperiod and childhood cancer: pooled results from 182,856 individuals in the international childhood cancer cohort consortium (I4C). <i>Chronobiology International</i> , 2020, 37, 1034-1047.	2.0	4
29	What is the “spectral diet” of humans?. <i>Current Opinion in Behavioral Sciences</i> , 2019, 30, 80-86.	3.9	46
30	Impact of Diabetic Retinopathy on Sleep, Mood, and Quality of Life. , 2019, 60, 2304.		17
31	Investigation of the impact of total sleep deprivation at home on the number of intrusive memories to an analogue trauma. <i>Translational Psychiatry</i> , 2019, 9, 104.	4.8	27
32	Validation of “Somnivore”, a Machine Learning Algorithm for Automated Scoring and Analysis of Polysomnography Data. <i>Frontiers in Neuroscience</i> , 2019, 13, 207.	2.8	38
33	Challenges in implementing and assessing outcomes of school start time change in the UK: experience of the Oxford Teensleep study. <i>Sleep Medicine</i> , 2019, 60, 89-95.	1.6	20
34	Effect of Digital Cognitive Behavioral Therapy for Insomnia on Health, Psychological Well-being, and Sleep-Related Quality of Life: A Randomized Clinical Trial. <i>JAMA Psychiatry</i> , 2019, 76, 21.	11.0	269
35	Ticking time bomb? High time for chronobiological research. <i>EMBO Reports</i> , 2018, 19, .	4.5	13
36	Desynchronization of diurnal rhythms in bipolar disorder and borderline personality disorder. <i>Translational Psychiatry</i> , 2018, 8, 79.	4.8	19

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37	Cortical region-specific sleep homeostasis in mice: effects of time of day and waking experience. <i>Sleep</i> , 2018, 41, .	1.1	39
38	Effects of Aging on Cortical Neural Dynamics and Local Sleep Homeostasis in Mice. <i>Journal of Neuroscience</i> , 2018, 38, 3911-3928.	3.6	63
39	The interaction between subclinical psychotic experiences, insomnia and objective measures of sleep. <i>Schizophrenia Research</i> , 2018, 193, 204-208.	2.0	26
40	Stabilising sleep for patients admitted at acute crisis to a psychiatric hospital (OWLS): an assessor-blind pilot randomised controlled trial. <i>Psychological Medicine</i> , 2018, 48, 1694-1704.	4.5	58
41	There is no mystery to sleep. <i>PsyCh Journal</i> , 2018, 7, 206-208.	1.1	8
42	Effects of circadian misalignment on sleep in mice. <i>Scientific Reports</i> , 2018, 8, 15343.	3.3	15
43	Differential roles for cryptochromes in the mammalian retinal clock. <i>FASEB Journal</i> , 2018, 32, 4302-4314.	0.5	20
44	Absent sleep EEG spindle activity in GluA1 (Gria1) knockout mice: relevance to neuropsychiatric disorders. <i>Translational Psychiatry</i> , 2018, 8, 154.	4.8	29
45	Chronotype and environmental light exposure in a student population. <i>Chronobiology International</i> , 2018, 35, 1365-1374.	2.0	36
46	Early to bed and early to rise. , 2018, , 22-25.		0
47	Constant Light Desynchronizes Olfactory versus Object and Visuospatial Recognition Memory Performance. <i>Journal of Neuroscience</i> , 2017, 37, 3555-3567.	3.6	13
48	Expression and localisation of two-pore domain (K2P) background leak potassium ion channels in the mouse retina. <i>Scientific Reports</i> , 2017, 7, 46085.	3.3	21
49	A point mutation in the ion conduction pore of AMPA receptor GRIA3 causes dramatically perturbed sleep patterns as well as intellectual disability. <i>Human Molecular Genetics</i> , 2017, 26, 3869-3882.	2.9	35
50	Meta-analysis of transcriptomic datasets identifies genes enriched in the mammalian circadian pacemaker. <i>Nucleic Acids Research</i> , 2017, 45, 9860-9873.	14.5	29
51	The effects of improving sleep on mental health (OASIS): a randomised controlled trial with mediation analysis. <i>Lancet Psychiatry</i> , 2017, 4, 749-758.	7.4	459
52	The genetics of circadian rhythms, sleep and health. <i>Human Molecular Genetics</i> , 2017, 26, R128-R138.	2.9	150
53	Insight into the Role of Photoreception and Light Intervention for Sleep and Neuropsychiatric Behaviour in the Elderly. <i>Current Alzheimer Research</i> , 2017, 14, 1022-1029.	1.4	8
54	Melanopsin Regulates Both Sleep-Promoting and Arousal-Promoting Responses to Light. <i>PLoS Biology</i> , 2016, 14, e1002482.	5.6	129

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55	Novel gene function revealed by mouse mutagenesis screens for models of age-related disease. <i>Nature Communications</i> , 2016, 7, 12444.	12.8	79
56	Modulation of recognition memory performance by light requires both melanopsin and classical photoreceptors. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20162275.	2.6	18
57	Is sleep disruption a trigger for postpartum psychosis?. <i>British Journal of Psychiatry</i> , 2016, 208, 409-411.	2.8	14
58	Insomnia and hallucinations in the general population: Findings from the 2000 and 2007 British Psychiatric Morbidity Surveys. <i>Psychiatry Research</i> , 2016, 241, 141-146.	3.3	54
59	Searching for cognitive enhancement in the Morris water maze: better and worse performance in <i>Dao</i> mice. <i>European Journal of Neuroscience</i> , 2016, 43, 979-989.	2.6	22
60	Digital Cognitive Behavioural Therapy for Insomnia versus sleep hygiene education: the impact of improved sleep on functional health, quality of life and psychological well-being. Study protocol for a randomised controlled trial. <i>Trials</i> , 2016, 17, 257.	1.6	32
61	Characterisation of light responses in the retina of mice lacking principle components of rod, cone and melanopsin phototransduction signalling pathways. <i>Scientific Reports</i> , 2016, 6, 28086.	3.3	48
62	Insomnia, Nightmares, and Chronotype as Markers of Risk for Severe Mental Illness: Results from a Student Population. <i>Sleep</i> , 2016, 39, 173-181.	1.1	108
63	COMPASS: Continuous Open Mouse Phenotyping of Activity and Sleep Status. <i>Wellcome Open Research</i> , 2016, 1, 2.	1.8	45
64	<i>Dao</i> mice show enhanced short-term memory performance and heightened anxiety, but no sleep or circadian rhythm disruption. <i>European Journal of Neuroscience</i> , 2015, 41, 1167-1179.	2.6	30
65	Effects of cognitive behavioural therapy for insomnia on the mental health of university students: study protocol for a randomized controlled trial. <i>Trials</i> , 2015, 16, 236.	1.6	33
66	Efficacy of cognitive behavioural therapy for sleep improvement in patients with persistent delusions and hallucinations (BEST): a prospective, assessor-blind, randomised controlled pilot trial. <i>Lancet Psychiatry</i> , 2015, 2, 975-983.	7.4	169
67	Isoforms of Melanopsin Mediate Different Behavioral Responses to Light. <i>Current Biology</i> , 2015, 25, 2430-2434.	3.9	32
68	Photic Regulation of Clock Systems. <i>Methods in Enzymology</i> , 2015, 552, 125-143.	1.0	104
69	Using siRNA to define functional interactions between melanopsin and multiple G Protein partners. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 165-179.	5.4	29
70	Sleep and Circadian Rhythm Disruption and Recognition Memory in Schizophrenia. <i>Methods in Enzymology</i> , 2015, 552, 325-349.	1.0	12
71	A Colourful Clock. <i>PLoS Biology</i> , 2015, 13, e1002160.	5.6	16
72	Light sensitivity in a vertebrate mechanoreceptor?. <i>Journal of Experimental Biology</i> , 2015, 218, 2826-9.	1.7	15

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73	An extended family of novel vertebrate photopigments is widely expressed and displays a diversity of function. <i>Genome Research</i> , 2015, 25, 1666-1679.	5.5	121
74	Genetic background influences age-related decline in visual and nonvisual retinal responses, circadian rhythms, and sleep. <i>Neurobiology of Aging</i> , 2015, 36, 380-393.	3.1	61
75	The hypothalamic photoreceptors regulating seasonal reproduction in birds: A prime role for VA opsin. <i>Frontiers in Neuroendocrinology</i> , 2015, 37, 13-28.	5.2	65
76	Synchronizing education to adolescent biology: "let teens sleep, start school later"™. <i>Learning, Media and Technology</i> , 2015, 40, 210-226.	3.2	38
77	Deletion of Metabotropic Glutamate Receptors 2 and 3 (mGlu2 & mGlu3) in Mice Disrupts Sleep and Wheel-Running Activity, and Increases the Sensitivity of the Circadian System to Light. <i>PLoS ONE</i> , 2015, 10, e0125523.	2.5	33
78	Impact of Cataract Surgery on Sleep in Patients Receiving Either Ultraviolet-Blocking or Blue-Filtering Intraocular Lens Implants. , 2014, 55, 4999.		57
79	The rhythms of life: what your body clock means to you!. <i>Experimental Physiology</i> , 2014, 99, 599-606.	2.0	91
80	Sleep: A Biological Stimulus from Our Nearest Celestial Neighbor?. <i>Current Biology</i> , 2014, 24, R557-R560.	3.9	8
81	Sleep and Circadian Rhythm Disruption in Social Jetlag and Mental Illness. <i>Progress in Molecular Biology and Translational Science</i> , 2013, 119, 325-346.	1.7	168
82	The CRTCL1-SIK1 Pathway Regulates Entrainment of the Circadian Clock. <i>Cell</i> , 2013, 154, 1100-1111.	28.9	175
83	Irradiance encoding in the suprachiasmatic nuclei by rod and cone photoreceptors. <i>FASEB Journal</i> , 2013, 27, 4204-4212.	0.5	54
84	Sleep and circadian rhythm disruption in neuropsychiatric illness. <i>Current Opinion in Neurobiology</i> , 2013, 23, 888-894.	4.2	170
85	Melanopsin phototransduction. <i>Progress in Brain Research</i> , 2012, 199, 19-40.	1.4	75
86	Sleep and circadian rhythm disruption in schizophrenia. <i>British Journal of Psychiatry</i> , 2012, 200, 308-316.	2.8	352
87	Evaluating the links between schizophrenia and sleep and circadian rhythm disruption. <i>Journal of Neural Transmission</i> , 2012, 119, 1061-1075.	2.8	92
88	Rapid Assessment of Sleep-Wake Behavior in Mice. <i>Journal of Biological Rhythms</i> , 2012, 27, 48-58.	2.6	129
89	Ultraviolet Light Provides a Major Input to Non-Image-Forming Light Detection in Mice. <i>Current Biology</i> , 2012, 22, 1397-1402.	3.9	68
90	Disrupted Circadian Rhythms in a Mouse Model of Schizophrenia. <i>Current Biology</i> , 2012, 22, 314-319.	3.9	86

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91	Biological Clocks: Who in This Place Set Up a Sundial?. <i>Current Biology</i> , 2012, 22, R405-R407.	3.9	6
92	Bad light stops play. <i>EMBO Reports</i> , 2011, 12, 380-380.	4.5	12
93	Sleep and circadian rhythm disruption in psychiatric and neurodegenerative disease. <i>Nature Reviews Neuroscience</i> , 2010, 11, 589-599.	10.2	835
94	Sleep and circadian rhythm disturbances: multiple genes and multiple phenotypes. <i>Current Opinion in Genetics and Development</i> , 2009, 19, 237-246.	3.3	92
95	Human Responses to the Geophysical Daily, Annual and Lunar Cycles. <i>Current Biology</i> , 2008, 18, R784-R794.	3.9	274
96	Light, Photoreceptors, and Circadian Clocks. <i>Methods in Molecular Biology</i> , 2007, 362, 3-28.	0.9	32
97	Circadian vision. <i>Current Biology</i> , 2007, 17, R746-R751.	3.9	72
98	Short-Wavelength Light Sensitivity of Circadian, Pupillary, and Visual Awareness in Humans Lacking an Outer Retina. <i>Current Biology</i> , 2007, 17, 2122-2128.	3.9	296
99	The suitability of actigraphy, diary data, and urinary melatonin profiles for quantitative assessment of sleep disturbances in schizophrenia: A case report. <i>Chronobiology International</i> , 2006, 23, 485-495.	2.0	62
100	The rhythm of rest and excess. <i>Nature Reviews Neuroscience</i> , 2005, 6, 407-414.	10.2	205
101	Inner retinal photoreceptors (IRPs) in mammals and teleost fish. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 617.	2.9	26
102	Calcium Imaging Reveals a Network of Intrinsically Light-Sensitive Inner-Retinal Neurons. <i>Current Biology</i> , 2003, 13, 1290-1298.	3.9	196
103	Non-rod, non-cone photoreception in the vertebrates. <i>Progress in Retinal and Eye Research</i> , 2002, 21, 507-527.	15.5	161
104	Keeping an eye on the time: the Cogan Lecture. <i>Investigative Ophthalmology and Visual Science</i> , 2002, 43, 1286-98.	3.3	26
105	A novel rod-like opsin isolated from the extra-retinal photoreceptors of teleost fish. <i>FEBS Letters</i> , 2000, 468, 181-188.	2.8	67
106	Corrigendum to: A novel rod-like opsin isolated from the extra-retinal photoreceptors of teleost fish. <i>FEBS Letters</i> , 2000, 473, 125-126.	2.8	2
107	Neither Functional Rod Photoreceptors nor Rod or Cone Outer Segments Are Required for the Photic Inhibition of Pineal Melatonin*. <i>Endocrinology</i> , 1999, 140, 1520-1524.	2.8	65
108	Clocks, criteria and critical genes. <i>Nature Genetics</i> , 1999, 22, 217-219.	21.4	9

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109	Regulation of Mammalian Circadian Behavior by Non-rod, Non-cone, Ocular Photoreceptors. Science, 1999, 284, 502-504.	12.6	720
110	Regulation of the Mammalian Pineal by Non-rod, Non-cone, Ocular Photoreceptors. Science, 1999, 284, 505-507.	12.6	470
111	Spectral tuning of a circadian photopigment in a subterranean "blind" mammal (<i>Spalax ehrenbergi</i>). FEBS Letters, 1999, 461, 343-347.	2.8	44
112	Novel retinal photoreceptors. Nature, 1998, 394, 27-28.	27.8	121
113	Light detection in a 'blind' mammal. Nature Neuroscience, 1998, 1, 655-656.	14.8	81
114	Shedding Light on the Biological Clock. Neuron, 1998, 20, 829-832.	8.1	136
115	A novel and ancient vertebrate opsin. FEBS Letters, 1997, 406, 279-283.	2.8	134
116	Twilight Times: Light and the Circadian System. Photochemistry and Photobiology, 1997, 66, 549-561.	2.5	324
117	NMDA receptor antagonists block the effects of light on circadian behavior in the mouse. Brain Research, 1991, 554, 105-110.	2.2	130
118	COMPASS: Continuous Open Mouse Phenotyping of Activity and Sleep Status. Wellcome Open Research, 0, 1, 2.	1.8	33