

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	Sleep and circadian rhythm disruption in psychiatric and neurodegenerative disease. <i>Nature Reviews Neuroscience</i> , 2010, 11, 589-599.	10.2	835
2	Regulation of Mammalian Circadian Behavior by Non-rod, Non-cone, Ocular Photoreceptors. <i>Science</i> , 1999, 284, 502-504.	12.6	720
3	Regulation of the Mammalian Pineal by Non-rod, Non-cone, Ocular Photoreceptors. <i>Science</i> , 1999, 284, 505-507.	12.6	470
4	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
5	Sleep and circadian rhythm disruption in schizophrenia. <i>British Journal of Psychiatry</i> , 2012, 200, 308-316.	2.8	352
6	Twilight Times: Light and the Circadian System. <i>Photochemistry and Photobiology</i> , 1997, 66, 549-561.	2.5	324
7	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
8	Human Responses to the Geophysical Daily, Annual and Lunar Cycles. <i>Current Biology</i> , 2008, 18, R784-R794.	3.9	274
9	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
10	The rhythm of rest and excess. <i>Nature Reviews Neuroscience</i> , 2005, 6, 407-414.	10.2	205
11	Calcium Imaging Reveals a Network of Intrinsically Light-Sensitive Inner-Retinal Neurons. <i>Current Biology</i> , 2003, 13, 1290-1298.	3.9	196
12	The CRTCL1-SIK1 Pathway Regulates Entrainment of the Circadian Clock. <i>Cell</i> , 2013, 154, 1100-1111.	28.9	175
13	Sleep and circadian rhythm disruption in neuropsychiatric illness. <i>Current Opinion in Neurobiology</i> , 2013, 23, 888-894.	4.2	170
14	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
15	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
16	Non-rod, non-cone photoreception in the vertebrates. <i>Progress in Retinal and Eye Research</i> , 2002, 21, 507-527.	15.5	161
17	The genetics of circadian rhythms, sleep and health. <i>Human Molecular Genetics</i> , 2017, 26, R128-R138.	2.9	150
18	Shedding Light on the Biological Clock. <i>Neuron</i> , 1998, 20, 829-832.	8.1	136

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19	A novel and ancient vertebrate opsin. FEBS Letters, 1997, 406, 279-283.	2.8	134
20	NMDA receptor antagonists block the effects of light on circadian behavior in the mouse. Brain Research, 1991, 554, 105-110.	2.2	130
21	Rapid Assessment of Sleep-Wake Behavior in Mice. Journal of Biological Rhythms, 2012, 27, 48-58.	2.6	129
22	Melanopsin Regulates Both Sleep-Promoting and Arousal-Promoting Responses to Light. PLoS Biology, 2016, 14, e1002482.	5.6	129
23	Novel retinal photoreceptors. Nature, 1998, 394, 27-28.	27.8	121
24	An extended family of novel vertebrate photopigments is widely expressed and displays a diversity of function. Genome Research, 2015, 25, 1666-1679.	5.5	121
25	Insomnia, Nightmares, and Chronotype as Markers of Risk for Severe Mental Illness: Results from a Student Population. Sleep, 2016, 39, 173-181.	1.1	108
26	Photic Regulation of Clock Systems. Methods in Enzymology, 2015, 552, 125-143.	1.0	104
27	Food as a circadian time cue – evidence from human studies. Nature Reviews Endocrinology, 2020, 16, 213-223.	9.6	104
28	Sleep, circadian rhythms and health. Interface Focus, 2020, 10, 20190098.	3.0	96
29	Sleep and circadian rhythm disturbances: multiple genes and multiple phenotypes. Current Opinion in Genetics and Development, 2009, 19, 237-246.	3.3	92
30	Evaluating the links between schizophrenia and sleep and circadian rhythm disruption. Journal of Neural Transmission, 2012, 119, 1061-1075.	2.8	92
31	The rhythms of life: what your body clock means to you!. Experimental Physiology, 2014, 99, 599-606.	2.0	91
32	Disrupted Circadian Rhythms in a Mouse Model of Schizophrenia. Current Biology, 2012, 22, 314-319.	3.9	86
33	Light detection in a 'blind' mammal. Nature Neuroscience, 1998, 1, 655-656.	14.8	81
34	Circadian Photoentrainment in Mice and Humans. Biology, 2020, 9, 180.	2.8	81
35	Novel gene function revealed by mouse mutagenesis screens for models of age-related disease. Nature Communications, 2016, 7, 12444.	12.8	79
36	Melanopsin phototransduction. Progress in Brain Research, 2012, 199, 19-40.	1.4	75

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37	Circadian vision. <i>Current Biology</i> , 2007, 17, R746-R751.	3.9	72
38	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
39	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
40	Adenosine integrates light and sleep signalling for the regulation of circadian timing in mice. <i>Nature Communications</i> , 2021, 12, 2113.	12.8	66
41	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
42	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
43	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
44	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
45	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
46	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
47	Impact of Cataract Surgery on Sleep in Patients Receiving Either Ultraviolet-Blocking or Blue-Filtering Intraocular Lens Implants. , 2014, 55, 4999.		57
48	Irradiance encoding in the suprachiasmatic nuclei by rod and cone photoreceptors. <i>FASEB Journal</i> , 2013, 27, 4204-4212.	0.5	54
49	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
50	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
51	What is the "spectral diet" of humans?. <i>Current Opinion in Behavioral Sciences</i> , 2019, 30, 80-86.	3.9	46
52	COMPASS: Continuous Open Mouse Phenotyping of Activity and Sleep Status. <i>Wellcome Open Research</i> , 2016, 1, 2.	1.8	45
53	Spectral tuning of a circadian photopigment in a subterranean "blind" mammal (<i>Spalax ehrenbergi</i>). <i>FEBS Letters</i> , 1999, 461, 343-347.	2.8	44
54	Cortical region-specific sleep homeostasis in mice: effects of time of day and waking experience. <i>Sleep</i> , 2018, 41, .	1.1	39

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55	Synchronizing education to adolescent biology: “let teens sleep, start school later”™. <i>Learning, Media and Technology</i> , 2015, 40, 210-226.	3.2	38
56	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
57	Circadian Biology and Stroke. <i>Stroke</i> , 2021, 52, 2180-2190.	2.0	38
58	Photic Entrainment of the Circadian System. <i>International Journal of Molecular Sciences</i> , 2022, 23, 729.	4.1	38
59	Chronotype and environmental light exposure in a student population. <i>Chronobiology International</i> , 2018, 35, 1365-1374.	2.0	36
60	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
61	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
62	COMPASS: Continuous Open Mouse Phenotyping of Activity and Sleep Status. <i>Wellcome Open Research</i> , 0, 1, 2.	1.8	33
63	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
64	Light, Photoreceptors, and Circadian Clocks. <i>Methods in Molecular Biology</i> , 2007, 362, 3-28.	0.9	32
65	Isoforms of Melanopsin Mediate Different Behavioral Responses to Light. <i>Current Biology</i> , 2015, 25, 2430-2434.	3.9	32
66	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
67	“amino acid oxidase knockout (<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
68	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
69	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
70	Absent sleep EEG spindle activity in <i>GluA1</i> (<i>Gria1</i>) knockout mice: relevance to neuropsychiatric disorders. <i>Translational Psychiatry</i> , 2018, 8, 154.	4.8	29
71	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
72	Inner retinal photoreceptors (IRPs) in mammals and teleost fish. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 617.	2.9	26

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73	The interaction between subclinical psychotic experiences, insomnia and objective measures of sleep. <i>Schizophrenia Research</i> , 2018, 193, 204-208.	2.0	26
74	Keeping an eye on the time: the Cogan Lecture. <i>Investigative Ophthalmology and Visual Science</i> , 2002, 43, 1286-98.	3.3	26
75	The circadian system, sleep, and the health/disease balance: a conceptual review. <i>Journal of Sleep Research</i> , 2022, 31, .	3.2	25
76	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
77	Searching for cognitive enhancement in the Morris water maze: better and worse performance in Dâ€ amino acid oxidase knockout (<i>Dao</i>^{âˆ-/âˆ}) mice. <i>European Journal of Neuroscience</i> , 2016, 43, 979-989.	2.6	22
78	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
79	Differential roles for cryptochromes in the mammalian retinal clock. <i>FASEB Journal</i> , 2018, 32, 4302-4314.	0.5	20
80	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
81	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
82	Desynchronization of diurnal rhythms in bipolar disorder and borderline personality disorder. <i>Translational Psychiatry</i> , 2018, 8, 79.	4.8	19
83	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
84	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
85	Patient fibroblast circadian rhythms predict lithium sensitivity in bipolar disorder. <i>Molecular Psychiatry</i> , 2021, 26, 5252-5265.	7.9	18
86	Impact of Diabetic Retinopathy on Sleep, Mood, and Quality of Life. , 2019, 60, 2304.		17
87	A Colourful Clock. <i>PLoS Biology</i> , 2015, 13, e1002160.	5.6	16
88	Revisiting nocturnal heart rate and heart rate variability in insomnia: A polysomnographyâ€based comparison of young selfâ€reported good and poor sleepers. <i>Journal of Sleep Research</i> , 2021, 30, e13278.	3.2	16
89	Light sensitivity in a vertebrate mechanoreceptor?. <i>Journal of Experimental Biology</i> , 2015, 218, 2826-9.	1.7	15
90	Effects of circadian misalignment on sleep in mice. <i>Scientific Reports</i> , 2018, 8, 15343.	3.3	15

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91	Is sleep disruption a trigger for postpartum psychosis?. <i>British Journal of Psychiatry</i> , 2016, 208, 409-411.	2.8	14
92	Constant Light Desynchronizes Olfactory versus Object and Visuospatial Recognition Memory Performance. <i>Journal of Neuroscience</i> , 2017, 37, 3555-3567.	3.6	13
93	Ticking time bomb? High time for chronobiological research. <i>EMBO Reports</i> , 2018, 19, .	4.5	13
94	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
95	Bad light stops play. <i>EMBO Reports</i> , 2011, 12, 380-380.	4.5	12
96	Sleep and Circadian Rhythm Disruption and Recognition Memory in Schizophrenia. <i>Methods in Enzymology</i> , 2015, 552, 325-349.	1.0	12
97	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
98	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
99	The relationship between fasting-induced torpor, sleep, and wakefulness in laboratory mice. <i>Sleep</i> , 2021, 44, .	1.1	10
100	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
101	Melatonin. <i>Current Biology</i> , 2021, 31, R1456-R1458.	3.9	10
102	Clocks, criteria and critical genes. <i>Nature Genetics</i> , 1999, 22, 217-219.	21.4	9
103	Fundamentals of circadian entrainment by light. <i>Lighting Research and Technology</i> , 2021, 53, 377-393.	2.7	9
104	Sleep: A Biological Stimulus from Our Nearest Celestial Neighbor?. <i>Current Biology</i> , 2014, 24, R557-R560.	3.9	8
105	There is no mystery to sleep. <i>PsyCh Journal</i> , 2018, 7, 206-208.	1.1	8
106	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
107	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
108	Light Input to the Mammalian Circadian Clock. <i>Methods in Molecular Biology</i> , 2021, 2130, 233-247.	0.9	7

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109	Biological Clocks: Who in This Place Set Up a Sundial?. <i>Current Biology</i> , 2012, 22, R405-R407.	3.9	6
110	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
111	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
112	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
113	Rodent models in translational circadian photobiology. <i>Progress in Brain Research</i> , 2022, , 97-116.	1.4	3
114	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
115	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
116	Dystrophin involvement in peripheral circadian SRF signalling. <i>Life Science Alliance</i> , 2021, 4, e202101014.	2.8	1
117	Sleep and stress. <i>Interface Focus</i> , 2020, 10, 20200016.	3.0	0
118	Early to bed and early to rise. , 2018, , 22-25.		0