Russell G Foster

List of Publications by Year
in descending order

118 papers	9,626 citations	46918 47 h-index	40881 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. International Journal of Molecular Sciences, 2022, 23, 729.	1.8	38
2	Rodent models in translational circadian photobiology. Progress in Brain Research, 2022, , 97-116.	0.9	3
3	Chronic Exposure to Dim Light at Night or Irregular Lighting Conditions Impact Circadian Behavior, Motor Coordination, and Neuronal Morphology. Frontiers in Neuroscience, 2022, 16, 855154.	1.4	6
4	The circadian system, sleep, and the health/disease balance: a conceptual review. Journal of Sleep Research, 2022, 31, .	1.7	25
5	Patient fibroblast circadian rhythms predict lithium sensitivity in bipolar disorder. Molecular Psychiatry, 2021, 26, 5252-5265.	4.1	18
6	Modulation of recognition memory performance by light and its relationship with cortical EEG theta and gamma activities. Biochemical Pharmacology, 2021, 191, 114404.	2.0	11
7	Revisiting nocturnal heart rate and heart rate variability in insomnia: A polysomnographyâ€based comparison of young selfâ€reported good and poor sleepers. Journal of Sleep Research, 2021, 30, e13278.	1.7	16
8	The relationship between fasting-induced torpor, sleep, and wakefulness in laboratory mice. Sleep, 2021, 44, .	0.6	10
9	Adenosine integrates light and sleep signalling for the regulation of circadian timing in mice. Nature Communications, 2021, 12, 2113.	5.8	66
10	Do environmental risk factors for the development of psychosis distribute differently across dimensionally assessed psychotic experiences?. Translational Psychiatry, 2021, 11, 226.	2.4	7
11	Circadian Biology and Stroke. Stroke, 2021, 52, 2180-2190.	1.0	38
12	Adverse impact of polyphasic sleep patterns in humans: Report of the National Sleep Foundation sleep timing and variability consensus panel. Sleep Health, 2021, 7, 293-302.	1.3	10
13	Fundamentals of circadian entrainment by light. Lighting Research and Technology, 2021, 53, 377-393.	1.2	9
14	Dystrophin involvement in peripheral circadian SRF signalling. Life Science Alliance, 2021, 4, e202101014.	1.3	1
15	Functional Brain Imaging During Extra-Ocular Light Stimulation in Anophthalmic and Sighted Participants: No Evidence for Extra-Ocular Photosensitive Receptors. Frontiers in Neuroscience, 2021, 15, 744543.	1.4	2
16	Dim light in the evening causes coordinated realignment of circadian rhythms, sleep, and short-term memory. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	20
17	Dementia in military and veteran populations: a review of risk factorsâ€"traumatic brain injury, post-traumatic stress disorder, deployment, and sleep. Military Medical Research, 2021, 8, 55.	1.9	11
18	Light Input to the Mammalian Circadian Clock. Methods in Molecular Biology, 2021, 2130, 233-247.	0.4	7

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19	Deletion of AMPA receptor GluA1 subunit gene (Gria1) causes circadian rhythm disruption and aberrant responses to environmental cues. Translational Psychiatry, 2021, 11, 588.	2.4	13
20	Melatonin. Current Biology, 2021, 31, R1456-R1458.	1.8	10
21	Effects of Cage Position and Light Transmission on Home Cage Activity and Circadian Entrainment in Mice. Frontiers in Neuroscience, 2021, 15, 832535.	1.4	5
22	The hypothalamic link between arousal and sleep homeostasis in mice. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	19
23	The Teensleep study: the effectiveness of a school-based sleep education programme at improving early adolescent sleep. Sleep Medicine: X, 2020, 2, 100011.	0.5	24
24	Circadian Photoentrainment in Mice and Humans. Biology, 2020, 9, 180.	1.3	81
25	Sleep, circadian rhythms and health. Interface Focus, 2020, 10, 20190098.	1.5	96
26	Sleep and stress. Interface Focus, 2020, 10, 20200016.	1.5	0
27	Food as a circadian time cue â€" evidence from human studies. Nature Reviews Endocrinology, 2020, 16, 213-223.	4.3	104
28	Perinatal photoperiod and childhood cancer: pooled results from 182,856 individuals in the international childhood cancer cohort consortium (I4C). Chronobiology International, 2020, 37, 1034-1047.	0.9	4
29	What is the â€˜spectral dietâ€™ of humans?. Current Opinion in Behavioral Sciences, 2019, 30, 80-86.	2.0	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. Translational Psychiatry, 2019, 9, 104.	2.4	27
32	Validation of â€˜Somnivoreâ€™, a Machine Learning Algorithm for Automated Scoring and Analysis of Polysomnography Data. Frontiers in Neuroscience, 2019, 13, 207.	1.4	38
33	Challenges in implementing and assessing outcomes of school start time change in the UK: experience of the Oxford Teensleep study. Sleep Medicine, 2019, 60, 89-95.	0.8	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. JAMA Psychiatry, 2019, 76, 21.	6.0	269
35	Ticking time bomb? High time for chronobiological research. EMBO Reports, 2018, 19, .	2.0	13
36	Desynchronization of diurnal rhythms in bipolar disorder and borderline personality disorder. Translational Psychiatry, 2018, 8, 79.	2.4	19

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37	Cortical regionâ€“specific sleep homeostasis in mice: effects of time of day and waking experience. Sleep, 2018, 41, .	0.6	39
38	Effects of Aging on Cortical Neural Dynamics and Local Sleep Homeostasis in Mice. Journal of Neuroscience, 2018, 38, 3911-3928.	1.7	63
39	The interaction between subclinical psychotic experiences, insomnia and objective measures of sleep. Schizophrenia Research, 2018, 193, 204-208.	1.1	26
40	Stabilising sleep for patients admitted at acute crisis to a psychiatric hospital (OWLS): an assessor-blind pilot randomised controlled trial. Psychological Medicine, 2018, 48, 1694-1704.	2.7	58
41	There is no mystery to sleep. PsyCh Journal, 2018, 7, 206-208.	0.5	8
42	Effects of circadian misalignment on sleep in mice. Scientific Reports, 2018, 8, 15343.	1.6	15
43	Differential roles for cryptochromes in the mammalian retinal clock. FASEB Journal, 2018, 32, 4302-4314.	0.2	20
44	Absent sleep EEG spindle activity in GluA1 (Gria1) knockout mice: relevance to neuropsychiatric disorders. Translational Psychiatry, 2018, 8, 154.	2.4	29
45	Chronotype and environmental light exposure in a student population. Chronobiology International, 2018, 35, 1365-1374.	0.9	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. Journal of Neuroscience, 2017, 37, 3555-3567.	1.7	13
48	Expression and localisation of two-pore domain (K2P) background leak potassium ion channels in the mouse retina. Scientific Reports, 2017, 7, 46085.	1.6	21
49	A point mutation in the ion conduction pore of AMPA receptor GRIA3 causes dramatically perturbed sleep patterns as well as intellectual disability. Human Molecular Genetics, 2017, 26, 3869-3882.	1.4	35
50	Meta-analysis of transcriptomic datasets identifies genes enriched in the mammalian circadian pacemaker. Nucleic Acids Research, 2017, 45, 9860-9873.	6.5	29
51	The effects of improving sleep on mental health (OASIS): a randomised controlled trial with mediation analysis. Lancet Psychiatry,the, 2017, 4, 749-758.	3.7	459
52	The genetics of circadian rhythms, sleep and health. Human Molecular Genetics, 2017, 26, R128-R138.	1.4	150
53	Insight into the Role of Photoreception and Light Intervention for Sleep and Neuropsychiatric Behaviour in the Elderly. Current Alzheimer Research, 2017, 14, 1022-1029.	0.7	8
54	Melanopsin Regulates Both Sleep-Promoting and Arousal-Promoting Responses to Light. PLoS Biology, 2016, 14, e1002482.	2.6	129

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55	Novel gene function revealed by mouse mutagenesis screens for models of age-related disease. Nature Communications, 2016, 7, 12444.	5.8	79
56	Modulation of recognition memory performance by light requires both melanopsin and classical photoreceptors. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20162275.	1.2	18
57	Is sleep disruption a trigger for postpartum psychosis?. British Journal of Psychiatry, 2016, 208, 409-411.	1.7	14
58	Insomnia and hallucinations in the general population: Findings from the 2000 and 2007 British Psychiatric Morbidity Surveys. Psychiatry Research, 2016, 241, 141-146.	1.7	54
59	Searching for cognitive enhancement in the Morris water maze: better and worse performance in Dâ€amino acid oxidase knockout (Dao^{â¯/â¯}) mice. European Journal of Neuroscience, 2016, 43, 979-989.	1.2	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. Trials, 2016, 17, 257.	0.7	32
61	Characterisation of light responses in the retina of mice lacking principle components of rod, cone and melanopsin phototransduction signalling pathways. Scientific Reports, 2016, 6, 28086.	1.6	48
62	Insomnia, Nightmares, and Chronotype as Markers of Risk for Severe Mental Illness: Results from a Student Population. Sleep, 2016, 39, 173-181.	0.6	108
63	COMPASS: Continuous Open Mouse Phenotyping of Activity and Sleep Status. Wellcome Open Research, 2016, 1, 2.	0.9	45
64	<scp>d</scp>â€amino acid oxidase knockout (Dao^{â¯/â¯}) mice show enhanced shortâ€term memory performance and heightened anxiety, but no sleep or circadian rhythm disruption. European Journal of Neuroscience, 2015, 41, 1167-1179.	1.2	30
65	Effects of cognitive behavioural therapy for insomnia on the mental health of university students: study protocol for a randomized controlled trial. Trials, 2015, 16, 236.	0.7	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. Lancet Psychiatry,the, 2015, 2, 975-983.	3.7	169
67	Isoforms of Melanopsin Mediate Different Behavioral Responses to Light. Current Biology, 2015, 25, 2430-2434.	1.8	32
68	Photic Regulation of Clock Systems. Methods in Enzymology, 2015, 552, 125-143.	0.4	104
69	Using siRNA to define functional interactions between melanopsin and multiple G Protein partners. Cellular and Molecular Life Sciences, 2015, 72, 165-179.	2.4	29
70	Sleep and Circadian Rhythm Disruption and Recognition Memory in Schizophrenia. Methods in Enzymology, 2015, 552, 325-349.	0.4	12
71	A Colourful Clock. PLoS Biology, 2015, 13, e1002160.	2.6	16
72	Light sensitivity in a vertebrate mechanoreceptor?. Journal of Experimental Biology, 2015, 218, 2826-9.	0.8	15

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73	An extended family of novel vertebrate photopigments is widely expressed and displays a diversity of function. Genome Research, 2015, 25, 1666-1679.	2.4	121
74	Genetic background influences age-related decline in visual and nonvisual retinal responses, circadian rhythms, and sleep. Neurobiology of Aging, 2015, 36, 380-393.	1.5	61
75	The hypothalamic photoreceptors regulating seasonal reproduction in birds: A prime role for VA opsin. Frontiers in Neuroendocrinology, 2015, 37, 13-28.	2.5	65
76	Synchronizing education to adolescent biology: â€˜let teens sleep, start school laterâ€™. Learning, Media and Technology, 2015, 40, 210-226.	2.1	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. PLoS ONE, 2015, 10, e0125523.	1.1	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!. Experimental Physiology, 2014, 99, 599-606.	0.9	91
80	Sleep: A Biological Stimulus from Our Nearest Celestial Neighbor?. Current Biology, 2014, 24, R557-R560.	1.8	8
81	Sleep and Circadian Rhythm Disruption in Social Jetlag and Mental Illness. Progress in Molecular Biology and Translational Science, 2013, 119, 325-346.	0.9	168
82	The CRTC1-SIK1 Pathway Regulates Entrainment of the Circadian Clock. Cell, 2013, 154, 1100-1111.	13.5	175
83	Irradiance encoding in the suprachiasmatic nuclei by rod and cone photoreceptors. FASEB Journal, 2013, 27, 4204-4212.	0.2	54
84	Sleep and circadian rhythm disruption in neuropsychiatric illness. Current Opinion in Neurobiology, 2013, 23, 888-894.	2.0	170
85	Melanopsin phototransduction. Progress in Brain Research, 2012, 199, 19-40.	0.9	75
86	Sleep and circadian rhythm disruption in schizophrenia. British Journal of Psychiatry, 2012, 200, 308-316.	1.7	352
87	Evaluating the links between schizophrenia and sleep and circadian rhythm disruption. Journal of Neural Transmission, 2012, 119, 1061-1075.	1.4	92
88	Rapid Assessment of Sleep-Wake Behavior in Mice. Journal of Biological Rhythms, 2012, 27, 48-58.	1.4	129
89	Ultraviolet Light Provides a Major Input to Non-Image-Forming Light Detection in Mice. Current Biology, 2012, 22, 1397-1402.	1.8	68
90	Disrupted Circadian Rhythms in a Mouse Model of Schizophrenia. Current Biology, 2012, 22, 314-319.	1.8	86

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91	Biological Clocks: Who in This Place Set Up a Sundial?. Current Biology, 2012, 22, R405-R407.	1.8	6
92	Bad light stops play. EMBO Reports, 2011, 12, 380-380.	2.0	12
93	Sleep and circadian rhythm disruption in psychiatric and neurodegenerative disease. Nature Reviews Neuroscience, 2010, 11, 589-599.	4.9	835
94	Sleep and circadian rhythm disturbances: multiple genes and multiple phenotypes. Current Opinion in Genetics and Development, 2009, 19, 237-246.	1.5	92
95	Human Responses to the Geophysical Daily, Annual and Lunar Cycles. Current Biology, 2008, 18, R784-R794.	1.8	274
96	Light, Photoreceptors, and Circadian Clocks. Methods in Molecular Biology, 2007, 362, 3-28.	0.4	32
97	Circadian vision. Current Biology, 2007, 17, R746-R751.	1.8	72
98	Short-Wavelength Light Sensitivity of Circadian, Pupillary, and Visual Awareness in Humans Lacking an Outer Retina. Current Biology, 2007, 17, 2122-2128.	1.8	296
99	The suitability of actigraphy, diary data, and urinary melatonin profiles for quantitative assessment of sleep disturbances in schizophrenia: A case report. Chronobiology International, 2006, 23, 485-495.	0.9	62
100	The rhythm of rest and excess. Nature Reviews Neuroscience, 2005, 6, 407-414.	4.9	205
101	Inner retinal photoreceptors (IRPs) in mammals and teleost fish. Photochemical and Photobiological Sciences, 2004, 3, 617.	1.6	26
102	Calcium Imaging Reveals a Network of Intrinsically Light-Sensitive Inner-Retinal Neurons. Current Biology, 2003, 13, 1290-1298.	1.8	196
103	Non-rod, non-cone photoreception in the vertebrates. Progress in Retinal and Eye Research, 2002, 21, 507-527.	7.3	161
104	Keeping an eye on the time: the Cogan Lecture. Investigative Ophthalmology and Visual Science, 2002, 43, 1286-98.	3.3	26
105	A novel rod-like opsin isolated from the extra-retinal photoreceptors of teleost fish. FEBS Letters, 2000, 468, 181-188.	1.3	67
106	Corrigendum to: A novel rod-like opsin isolated from the extra-retinal photoreceptors of teleost fish. FEBS Letters, 2000, 473, 125-126.	1.3	2
107	Neither Functional Rod Photoreceptors nor Rod or Cone Outer Segments Are Required for the Photic Inhibition of Pineal Melatonin*. Endocrinology, 1999, 140, 1520-1524.	1.4	65
108	Clocks, criteria and critical genes. Nature Genetics, 1999, 22, 217-219.	9.4	9

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109	Regulation of Mammalian Circadian Behavior by Non-rod, Non-cone, Ocular Photoreceptors. Science, 1999, 284, 502-504.	6.0	720
110	Regulation of the Mammalian Pineal by Non-rod, Non-cone, Ocular Photoreceptors. Science, 1999, 284, 505-507.	6.0	470
111	Spectral tuning of a circadian photopigment in a subterranean â€˜blindâ€™ mammal (Spalax ehrenbergi). FEBS Letters, 1999, 461, 343-347.	1.3	44
112	Novel retinal photoreceptors. Nature, 1998, 394, 27-28.	13.7	121
113	Light detection in a 'blind' mammal. Nature Neuroscience, 1998, 1, 655-656.	7.1	81
114	Shedding Light on the Biological Clock. Neuron, 1998, 20, 829-832.	3.8	136
115	A novel and ancient vertebrate opsin. FEBS Letters, 1997, 406, 279-283.	1.3	134
116	Twilight Times: Light and the Circadian System. Photochemistry and Photobiology, 1997, 66, 549-561.	1.3	324
117	NMDA receptor antagonists block the effects of light on circadian behavior in the mouse. Brain Research, 1991, 554, 105-110.	1.1	130
118	COMPASS: Continuous Open Mouse Phenotyping of Activity and Sleep Status. Wellcome Open Research, 0, 1, 2.	0.9	33