

Manuel Spitschan

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,593
citations

471061

17
h-index

360668

35
g-index

66
all docs

66
docs citations

66
times ranked

1129
citing authors

#	ARTICLE	IF	CITATIONS
1	Auswirkungen von Licht auf zirkadiane Rhythmen, Schlaf und die Stimmung bei Menschen. <i>Somnologie</i> , 2019, 23, 147-156.	0.9	283
2	Opponent melanopsin and S-cone signals in the human pupillary light response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15568-15572.	3.3	161
3	Recommendations for daytime, evening, and nighttime indoor light exposure to best support physiology, sleep, and wakefulness in healthy adults. <i>PLoS Biology</i> , 2022, 20, e3001571.	2.6	158
4	Variation of outdoor illumination as a function of solar elevation and light pollution. <i>Scientific Reports</i> , 2016, 6, 26756.	1.6	131
5	The human visual cortex response to melanopsin-directed stimulation is accompanied by a distinct perceptual experience. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12291-12296.	3.3	87
6	How to Report Light Exposure in Human Chronobiology and Sleep Research Experiments. <i>Clocks & Sleep</i> , 2019, 1, 280-289.	0.9	82
7	Melanopsin contributions to non-visual and visual function. <i>Current Opinion in Behavioral Sciences</i> , 2019, 30, 67-72.	2.0	75
8	The Method of Silent Substitution for Examining Melanopsin Contributions to Pupil Control. <i>Frontiers in Neurology</i> , 2018, 9, 941.	1.1	64
9	Photoreceptor inputs to pupil control. <i>Journal of Vision</i> , 2019, 19, 5.	0.1	57
10	Selective Stimulation of Penumbral Cones Reveals Perception in the Shadow of Retinal Blood Vessels. <i>PLoS ONE</i> , 2015, 10, e0124328.	1.1	47
11	What is the "spectral diet" of humans?. <i>Current Opinion in Behavioral Sciences</i> , 2019, 30, 80-86.	2.0	46
12	No evidence for an S cone contribution to acute neuroendocrine and alerting responses to light. <i>Current Biology</i> , 2019, 29, R1297-R1298.	1.8	45
13	Human Visual Cortex Responses to Rapid Cone and Melanopsin-Directed Flicker. <i>Journal of Neuroscience</i> , 2016, 36, 1471-1482.	1.7	35
14	Chromatic clocks: Color opponency in non-image-forming visual function. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 78, 24-33.	2.9	34
15	Night Matters—Why the Interdisciplinary Field of "Night Studies" Is Needed. <i>J</i> , 2020, 3, 1-6.	0.6	26
16	Demonstrating a multi-primary high dynamic range display system for vision experiments. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020, 37, A271.	0.8	22
17	Individual differences and diversity in human physiological responses to light. <i>EBioMedicine</i> , 2022, 75, 103640.	2.7	20
18	White Paper: Open Digital Health "accelerating transparent and scalable health promotion and treatment. <i>Health Psychology Review</i> , 2022, 16, 475-491.	4.4	16

#	ARTICLE	IF	CITATIONS
19	Sex differences and sex bias in human circadian and sleep physiology research. <i>ELife</i> , 2022, 11, .	2.8	14
20	Binocular facilitation in light-mediated melatonin suppression?. <i>Journal of Pineal Research</i> , 2019, 67, e12602.	3.4	12
21	Principles of open, transparent and reproducible science in author guidelines of sleep research and chronobiology journals. <i>Wellcome Open Research</i> , 2020, 5, 172.	0.9	12
22	Visual and non-visual properties of filters manipulating short-wavelength light. <i>Ophthalmic and Physiological Optics</i> , 2019, 39, 459-468.	1.0	11
23	Transparency and open science principles in reporting guidelines in sleep research and chronobiology journals. <i>Wellcome Open Research</i> , 2020, 5, 172.	0.9	10
24	luox: novel open-access and open-source web platform for calculating and sharing physiologically relevant quantities for light and lighting. <i>Wellcome Open Research</i> , 2021, 6, 69.	0.9	9
25	luox: novel validated open-access and open-source web platform for calculating and sharing physiologically relevant quantities for light and lighting. <i>Wellcome Open Research</i> , 2021, 6, 69.	0.9	9
26	Opinion: Future-proofing circadian research. <i>Lighting Research and Technology</i> , 2019, 51, 818-819.	1.2	8
27	Time-Varying Light Exposure in Chronobiology and Sleep Research Experiments. <i>Frontiers in Neurology</i> , 2021, 12, 654158.	1.1	8
28	Sleep and circadian phenotype in people without cone-mediated vision: a case series of five <i>CNGB3</i> and two <i>CNGA3</i> patients. <i>Brain Communications</i> , 2021, 3, fcab159.	1.5	8
29	Pulses of Melanopsin-Directed Contrast Produce Highly Reproducible Pupil Responses That Are Insensitive to a Change in Background Radiance. , 2018, 59, 5615.		7
30	Auditory psychomotor vigilance testing in older and young adults: a revised threshold setting procedure. <i>Sleep and Breathing</i> , 2019, 23, 1021-1025.	0.9	7
31	luox: validated reference open-access and open-source web platform for calculating and sharing physiologically relevant quantities for light and lighting. <i>Wellcome Open Research</i> , 0, 6, 69.	0.9	7
32	Pupil responses to hidden photoreceptor-specific modulations in movies. <i>PLoS ONE</i> , 2019, 14, e0216307.	1.1	6
33	Duration invariance and intensity dependence of the human circadian system phase shifting response to brief light flashes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20211943.	1.2	6
34	Effects of Cage Position and Light Transmission on Home Cage Activity and Circadian Entrainment in Mice. <i>Frontiers in Neuroscience</i> , 2021, 15, 832535.	1.4	5
35	Comment on "Domestic light at night and breast cancer risk: a prospective analysis of 105000 UK women in the Generations Study". <i>British Journal of Cancer</i> , 2019, 120, 276-277.	2.9	4
36	PyPIr: A versatile, integrated system of hardware and software for researching the human pupillary light reflex. <i>Behavior Research Methods</i> , 2022, 54, 2720-2739.	2.3	4

#	ARTICLE	IF	CITATIONS
37	The <i>Neon Fruit Illusion</i>: A Fresh Recipe for Colour Science Demonstrations. Perception, 2019, 48, 242-247.	0.5	3
38	Perceptual integration across natural monocular regions. Journal of Vision, 2014, 14, 5-5.	0.1	2
39	Towards "Fourth Paradigm"™ Spectral Sensing. Sensors, 2022, 22, 2377.	2.1	2
40	Vision: Melanopsin as a Raumgeber. Current Biology, 2017, 27, R644-R646.	1.8	1
41	Differences in rod sensitivity due to photic history?. Pain, 2019, 160, 2409-2409.	2.0	1
42	The relative amplitude of pupil response to melanopsin stimulation is a stable individual difference. Journal of Vision, 2017, 17, 14.	0.1	1
43	Editorial: Translation and Processing of Light by the Non-image Forming Visual System"Context, Mechanisms and Applications. Frontiers in Neurology, 2021, 12, 727849.	1.1	0
44	The population mean pupil response to melanopsin stimulation is reliable across sessions and background light levels. Journal of Vision, 2018, 18, 878.	0.1	0
45	46"..."The sleep, circadian rhythms and mental health in schools (SCRAMS) feasibility study. , 2021, , .		0