Shigekazu Higuchi

List of Publications by Year
in descending order

73 papers	1,938 citations	279778 23 h-index	276858 41 g-index
73 all docs	73 docs citations	73 times ranked	2410 citing authors

#	Article	IF	Citations
1	Beauty in everyday motion: Electrophysiological correlates of aesthetic preference for human walking. Neuropsychologia, 2022, 170, 108232.	1.6	0
2	Crystalline lens transmittance spectra and pupil sizes as factors affecting lightâ€induced melatonin suppression in children and adults. Ophthalmic and Physiological Optics, 2021, 41, 900-910.	2.0	21
3	Is the use of high correlated color temperature light at night related to delay of sleep timing in university students? A cross-country study in Japan and China. Journal of Physiological Anthropology, 2021, 40, 7.	2.6	14
4	Effects of 2-hour nighttime nap on melatonin concentration and alertness during 12-hour simulated night work. Industrial Health, 2021, 59, 393-402.	1.0	3
5	A Purkinje image-based system for an assessment of the density and transmittance spectra of the human crystalline lens in vivo. Scientific Reports, 2020, 10, 16445.	3.3	9
6	Melatonin suppression during a simulated night shift in medium intensity light is increased by 10-minute breaks in dim light and decreased by 10-minute breaks in bright light. Chronobiology International, 2020, 37, 897-909.	2.0	8
7	A study of EEG mu neurofeedback during action observation. Experimental Brain Research, 2020, 238, 1277-1284.	1.5	2
8	Effects of the differences in mental states on the mirror system activities when observing hand actions. Journal of Physiological Anthropology, 2019, 38, 1.	2.6	8
9	ERP study on the associations of peripheral oxytocin and prolactin with inhibitory processes involving emotional distraction. Journal of Physiological Anthropology, 2019, 38, 5.	2.6	5
10	Melatonin suppression and sleepiness in children exposed to blueâ€enriched white LED lighting at night. Physiological Reports, 2018, 6, e13942.	1.7	41
11	The relationship between inhibition of automatic imitation and personal cognitive styles. Journal of Physiological Anthropology, 2018, 37, 24.	2.6	4
12	Effect of visual orientation on mu suppression in children: a comparative EEG study with adults. Journal of Physiological Anthropology, 2018, 37, 16.	2.6	9
13	Enhanced Nogo-P3 amplitudes of mothers compared with non-mother women during an emotional Go/Nogo task. Journal of Physiological Anthropology, 2018, 37, 8.	2.6	6
14	Association of sleep with emotional and behavioral problems among abused children and adolescents admitted to residential care facilities in Japan. PLoS ONE, 2018, 13, e0198123.	2.5	13
15	l-Serine Enhances Light-Induced Circadian Phase Resetting in Mice and Humans. Journal of Nutrition, 2017, 147, 2347-2355.	2.9	11
16	Reliability and validity of a brief sleep questionnaire for children in Japan. Journal of Physiological Anthropology, 2017, 36, 35.	2.6	22
17	Tangible User Interface and Mu Rhythm Suppression: The Effect of User Interface on the Brain Activity in Its Operator and Observer. Applied Sciences (Switzerland), 2017, 7, 347.	2.5	2
18	An ancestral haplotype of the human PERIOD2 gene associates with reduced sensitivity to light-induced melatonin suppression. PLoS ONE, 2017, 12, e0178373.	2.5	14

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19	Effect of the Hand-Omitted Tool Motion on mu Rhythm Suppression. Frontiers in Human Neuroscience, 2016, 10, 266.	2.0	6
20	Late circadian phase in adults and children is correlated with use of high color temperature light at home at night. Chronobiology International, 2016, 33, 448-452.	2.0	20
21	Influence of light exposure at nighttime on sleep development and body growth of preterm infants. Scientific Reports, 2016, 6, 21680.	3.3	14
22	Modeling circadian and sleep-homeostatic effects on short-term interval timing. Frontiers in Integrative Neuroscience, 2015, 9, 15.	2.1	2
23	Association Between Extraversion and Exercise Performance Among Elderly Persons Receiving a Videogame Intervention. Games for Health Journal, 2015, 4, 375-380.	2.0	4
24	Nighttime sleep is correlated with effectiveness of inpatient rehabilitation for hemiplegia patients after stroke. Sleep and Biological Rhythms, 2014, 12, 220-223.	1.0	4
25	Influence of Light at Night on Melatonin Suppression in Children. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 3298-3303.	3.6	124
26	Sleepiness induced by sleep-debt enhanced amygdala activity for subliminal signals of fear. BMC Neuroscience, 2014, 15, 97.	1.9	30
27	Association between the melanopsin gene polymorphism OPN4*Ile394Thr and sleep/wake timing in Japanese university students. Journal of Physiological Anthropology, 2014, 33, 9.	2.6	18
28	Validity of the Japanese version of the Munich ChronoType Questionnaire. Chronobiology International, 2014, 31, 845-850.	2.0	116
29	Evaluation of the physiological and psychological effects of video game for sit to stand exercise. Japanese Journal of Physical Fitness and Sports Medicine, 2014, 63, 469-473.	0.0	1
30	Association between melanopsin gene polymorphism (I394T) and pupillary light reflex is dependent on light wavelength. Journal of Physiological Anthropology, 2013, 32, 16.	2.6	18
31	Sleep Debt Elicits Negative Emotional Reaction through Diminished Amygdala-Anterior Cingulate Functional Connectivity. PLoS ONE, 2013, 8, e56578.	2.5	152
32	Intrinsic Circadian Period of Sighted Patients with Circadian Rhythm Sleep Disorder, Free-Running Type. Biological Psychiatry, 2013, 73, 63-69.	1.3	40
33	Activity in the action observation network enhances emotion regulation during observation of risk-taking: an fMRI study. Neurological Research, 2013, 35, 22-28.	1.3	5
34	In vitro circadian period is associated with circadian/sleep preference. Scientific Reports, 2013, 3, 2074.	3.3	35
35	Melanopsin Gene Polymorphism I394T Is Associated with Pupillary Light Responses in a Dose-Dependent Manner. PLoS ONE, 2013, 8, e60310.	2.5	23
36	Rhythmic expression of circadian clock genes in human leukocytes and beard hair follicle cells. Biochemical and Biophysical Research Communications, 2012, 425, 902-907.	2.1	38

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37	Increased cerebral blood flow in the right frontal lobe area during sleep precedes self-awakening in humans. BMC Neuroscience, 2012, 13, 153.	1.9	6
38	Distinct responses of cones and melanopsin-expressing retinal ganglion cells in the human electroretinogram. Journal of Physiological Anthropology, 2012, 31, 20.	2.6	13
39	Comparison of cardiovascular response to sinusoidal and constant lower body negative pressure with reference to very mild whole-body heating. Journal of Physiological Anthropology, 2012, 31, 30.	2.6	4
40	Neural Network Development in Late Adolescents during Observation of Risk-Taking Action. PLoS ONE, 2012, 7, e39527.	2.5	15
41	Effectiveness of a Red-visor Cap for Preventing Light-induced Melatonin Suppression during Simulated Night Work. Journal of Physiological Anthropology, 2011, 30, 251-258.	2.6	16
42	Sleep-related problems and use of hypnotics in inpatients of acute hospital wards. General Hospital Psychiatry, 2010, 32, 276-283.	2.4	20
43	THERMOREGULATORY EFFECT IN HUMANS OF SUPPRESSED ENDOGENOUS MELATONIN BY PRE-SLEEP BRIGHT-LIGHT EXPOSURE IN A COLD ENVIRONMENT. Chronobiology International, 2010, 27, 782-806.	2.0	26
44	The ERG responses to light stimuli of melanopsin-expressing retinal ganglion cells that are independent of rods and cones. Neuroscience Letters, 2010, 479, 282-286.	2.1	16
45	Diurnal fluctuations in subjective sleep time in humans. Neuroscience Research, 2010, 68, 225-231.	1.9	6
46	Newly developed waist actigraphy and its sleep/wake scoring algorithm. Sleep and Biological Rhythms, 2009, 7, 17-22.	1.0	52
47	Expression profiles of PERIOD1, 2, and 3 in peripheral blood mononuclear cells from older subjects. Life Sciences, 2009, 84, 33-37.	4.3	28
48	Time estimation during sleep relates to the amount of slow wave sleep in humans. Neuroscience Research, 2009, 63, 115-121.	1.9	15
49	Work schedule differences in sleep problems of nursing home caregivers. Applied Ergonomics, 2008, 39, 597-604.	3.1	22
50	Inter-individual difference in pupil size correlates to suppression of melatonin by exposure to light. Neuroscience Letters, 2008, 440, 23-26.	2.1	38
51	Less Exposure to Daily Ambient Light in Winter Increases Sensitivity of Melatonin to Light Suppression. Chronobiology International, 2007, 24, 31-43.	2.0	52
52	Influence of eye colors of Caucasians and Asians on suppression of melatonin secretion by light. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R2352-R2356.	1.8	64
53	Involvement of Basal Metabolic Rate in Determination of Type of Cold Tolerance. Journal of Physiological Anthropology, 2007, 26, 415-418.	2.6	11
54	Relationship between Individual Difference in Melatonin Suppression by Light and Habitual Bedtime. Journal of Physiological Anthropology and Applied Human Science, 2005, 24, 419-423.	0.4	23

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55	Effects of playing a computer game using a bright display on presleep physiological variables, sleep latency, slow wave sleep and REM sleep. Journal of Sleep Research, 2005, 14, 267-273.	3.2	266
56	Error and Individual Difference in Cardiovascular Responses to Orthostatic Stress in Humans. Journal of Physiological Anthropology and Applied Human Science, 2005, 24, 339-343.	0.4	3
57	Effects of Lifestyle, Body Composition, and Physical Fitness on Cold Tolerance in Humans. Journal of Physiological Anthropology and Applied Human Science, 2005, 24, 439-443.	0.4	24
58	Sleep time and working conditions of office workers. Sleep and Biological Rhythms, 2003, 1, 131-132.	1.0	1
59	Effects of VDT tasks with a bright display at night on melatonin, core temperature, heart rate, and sleepiness. Journal of Applied Physiology, 2003, 94, 1773-1776.	2.5	122
60	Lower Extremity Function in Terms of Shock Absorption when Landing with Unsynchronized Feet. Journal of Physiological Anthropology and Applied Human Science, 2003, 22, 279-283.	0.4	3
61	Diurnal variations in alpha power density and subjective sleepiness while performing repeated vigilance tasks. Clinical Neurophysiology, 2001, 112, 997-1000.	1.5	24
62	Quantitative EEG Data and Comprehensive ADL (Activities of Daily Living) Evaluation of Stroke Survivors Residing in the Community.. Journal of Physiological Anthropology and Applied Human Science, 2001, 20, 37-41.	0.4	12
63	Postural Sway During Cane Use by Patients with Stroke. American Journal of Physical Medicine and Rehabilitation, 2001, 80, 903-908.	1.4	16
64	Reliability and Validity of the Questionnaire to Determine the Biosocial Rhyihms of Daily Living in the Disabled Elderly.. Journal of Physiological Anthropology and Applied Human Science, 2000, 19, 263-269.	0.4	7
65	Physical Performance Tests After Stroke. American Journal of Physical Medicine and Rehabilitation, 2000, 79, 519-525.	1.4	47
66	Time-of-day Effects of Ethanol Consumption on EEG Topography and Cognitive Event-related Potential in Adult Males.. Journal of Physiological Anthropology and Applied Human Science, 2000, 19, 249-254.	0.4	11
67	DIURNAL VARIATION IN THE P300 COMPONENT OF HUMAN COGNITIVE EVENT-RELATED POTENTIAL. Chronobiology International, 2000, 17, 669-678.	2.0	39
68	Sleep-wake rhythm and physical fitness in relation to activities of daily living in stroke survivors residing at home. Environmental Health and Preventive Medicine, 1999, 3, 218-222.	3.4	5
69	Body support effect on standing balance in the visually impaired elderly. Archives of Physical Medicine and Rehabilitation, 1998, 79, 994-997.	0.9	42
70	Men's time, women's time. Sex differences in biological time structure.. Applied Human Science: Journal of Physiological Anthropology, 1998, 17, 157-159.	0.2	7
71	Usefulness of Computer-Assisted Portable EEG Recorder for Field Work in Applied Human Science.. Applied Human Science: Journal of Physiological Anthropology, 1998, 17, 149-150.	0.2	1
72	Effects of Changes in Arousal Level by Continuous Light Stimulus on Contingent Negative Variation (CNV).. Applied Human Science: Journal of Physiological Anthropology, 1997, 16, 55-60.	0.2	22

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73	Effects of Reduction in Arousal Level Caused by Long-Lasting Task on CNV.. Applied Human Science: Journal of Physiological Anthropology, 1997, 16, 29-34.	0.2	17