

# The new world atlas of artificial night sky brightness

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Anthropogenic disruption of the night sky darkness in urban and rural areas. <i>Royal Society Open Science</i> , 2016, 3, 160541.	1.1	50
2	Bright light accelerates ageing in mice. <i>Nature</i> , 2016, , .	13.7	0
3	Disentangling the relative effect of light pollution, impervious surfaces and intensive agriculture on bat activity with a national-scale monitoring program. <i>Landscape Ecology</i> , 2016, 31, 2471-2483.	1.9	73
4	The new world atlas of artificial night sky brightness. <i>Science Advances</i> , 2016, 2, e1600377.	4.7	948
5	Testing sky brightness models against radial dependency: A dense two dimensional survey around the city of Madrid, Spain. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 181, 52-66.	1.1	26
6	Timing of light exposure affects mood and brain circuits. <i>Translational Psychiatry</i> , 2017, 7, e1017-e1017.	2.4	211
7	Seabird mortality induced by land-based artificial lights. <i>Conservation Biology</i> , 2017, 31, 986-1001.	2.4	117
8	Adverse effects of artificial illumination on bat drinking activity. <i>Animal Conservation</i> , 2017, 20, 492-501.	1.5	50
9	The spectral and spatial distribution of light pollution in the waters of the northern Gulf of Aqaba (Eilat). <i>Scientific Reports</i> , 2017, 7, 42329.	1.6	55
10	Urban mapping using DMSP/OLS stable night-time light: a review. <i>International Journal of Remote Sensing</i> , 2017, 38, 6030-6046.	1.3	150
11	Negative Luminescence. <i>Annals of the American Association of Geographers</i> , 2017, 107, 1090-1107.	1.5	20
12	Chronic exposure to dim artificial light at night decreases fecundity and adult survival in <i>Drosophila melanogaster</i> . <i>Journal of Insect Physiology</i> , 2017, 100, 15-20.	0.9	52
13	Artificial light at night alters trophic interactions of intertidal invertebrates. <i>Journal of Animal Ecology</i> , 2017, 86, 781-789.	1.3	66
14	Depressive-like behavior is elevated among offspring of parents exposed to dim light at night prior to mating. <i>Psychoneuroendocrinology</i> , 2017, 83, 182-186.	1.3	17
15	The effects of self-selected light-dark cycles and social constraints on human sleep and circadian timing: a modeling approach. <i>Scientific Reports</i> , 2017, 7, 45158.	1.6	117
16	Experimental illumination of a forest: no effects of lights of different colours on the onset of the dawn chorus in songbirds. <i>Royal Society Open Science</i> , 2017, 4, 160638.	1.1	27
17	The impact of seasonal changes on observed nighttime brightness from 2014 to 2015 monthly VIIRS DNB composites. <i>Remote Sensing of Environment</i> , 2017, 193, 150-164.	4.6	126
18	Ground-based hyperspectral analysis of the urban nightscape. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 124, 16-26.	4.9	29

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19	The association between artificial light at night and prostate cancer in Gwangju City and South Jeolla Province of South Korea. <i>Chronobiology International</i> , 2017, 34, 203-211.	0.9	34
20	Artificial light at night affects sleep behaviour differently in two closely related songbird species. <i>Environmental Pollution</i> , 2017, 231, 882-889.	3.7	37
21	High-intensity urban light installation dramatically alters nocturnal bird migration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11175-11180.	3.3	192
22	Dawn song in natural and artificial continuous day: Light pollution affects songbirds at high latitudes. <i>Journal of Animal Ecology</i> , 2017, 86, 1283-1285.	1.3	1
23	Disruptive effects of light pollution on sleep in free-living birds: Season and/or light intensity-dependent?. <i>Behavioural Processes</i> , 2017, 144, 13-19.	0.5	34
24	How bright is moonlight?. <i>Astronomy and Geophysics</i> , 2017, 58, 1.31-1.32.	0.1	102
25	Solar insolation in springtime influences age of onset of bipolar I disorder. <i>Acta Psychiatrica Scandinavica</i> , 2017, 136, 571-582.	2.2	24
26	Reducing light-induced mortality of seabirds: High pressure sodium lights decrease the fatal attraction of shearwaters. <i>Journal for Nature Conservation</i> , 2017, 39, 68-72.	0.8	38
27	Seasonal associations with urban light pollution for nocturnally migrating bird populations. <i>Global Change Biology</i> , 2017, 23, 4609-4619.	4.2	94
28	Inventorying and Monitoring Nighttime Light Distribution and Dynamics in the Mediterranean Coast Network of Southern California. <i>Natural Areas Journal</i> , 2017, 37, 350-360.	0.2	3
29	Health consequences of electric lighting practices in the modern world: A report on the National Toxicology Program's workshop on shift work at night, artificial light at night, and circadian disruption. <i>Science of the Total Environment</i> , 2017, 607-608, 1073-1084.	3.9	266
30	Artificial light at night as a new threat to pollination. <i>Nature</i> , 2017, 548, 206-209.	13.7	313
31	Imaging and mapping the impact of clouds on skyglow with all-sky photometry. <i>Scientific Reports</i> , 2017, 7, 6741.	1.6	65
32	Sky Quality Meter measurements in a colour-changing world. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 2966-2979.	1.6	90
33	Singing from North to South: Latitudinal variation in timing of dawn singing under natural and artificial light conditions. <i>Journal of Animal Ecology</i> , 2017, 86, 1286-1297.	1.3	48
34	Artificially lit surface of Earth at night increasing in radiance and extent. <i>Science Advances</i> , 2017, 3, e1701528.	4.7	560
35	Impacts of Artificial Light at Night on Biological Timings. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2017, 48, 49-68.	3.8	174
36	Artificial light at night decreases biomass and alters community composition of benthic primary producers in a subalpine stream. <i>Limnology and Oceanography</i> , 2017, 62, 2799-2810.	1.6	44

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37	VIIRS night-time lights. <i>International Journal of Remote Sensing</i> , 2017, 38, 5860-5879.	1.3	554
38	The Value of Darkness: A Moral Framework for Urban Nighttime Lighting. <i>Science and Engineering Ethics</i> , 2018, 24, 607-628.	1.7	15
39	Effects of lifetime exposure to artificial light at night on cricket ( <i>Teleogryllus commodus</i> ) courtship and mating behaviour. <i>Animal Behaviour</i> , 2017, 129, 181-188.	0.8	45
40	Ambient anthropogenic noise but not light is associated with the ecophysiology of free-living songbird nestlings. <i>Scientific Reports</i> , 2017, 7, 2754.	1.6	37
41	Medical hypothesis: Light at night is a factor worth considering in critical care units. <i>Advances in Integrative Medicine</i> , 2017, 4, 115-120.	0.4	6
42	Retrieval of angular emission function from whole-city light sources using night-sky brightness measurements. <i>Optica</i> , 2017, 4, 255.	4.8	10
43	Assessing Light Pollution in China Based on Nighttime Light Imagery. <i>Remote Sensing</i> , 2017, 9, 135.	1.8	62
44	A Stepwise Calibration of Global DMSP/OLS Stable Nighttime Light Data (1992–2013). <i>Remote Sensing</i> , 2017, 9, 637.	1.8	79
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46	<i>Drosophila</i> : An Emergent Model for Delineating Interactions between the Circadian Clock and Drugs of Abuse. <i>Neural Plasticity</i> , 2017, 2017, 1-28.	1.0	2
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50	Artificial Light at Night (ALAN), an alarm to ovarian physiology: A study of possible chronodisruption on zebrafish ( <i>Danio rerio</i> ). <i>Science of the Total Environment</i> , 2018, 628-629, 1407-1421.	3.9	38
51	Light pollution is greatest within migration passage areas for nocturnally-migrating birds around the world. <i>Scientific Reports</i> , 2018, 8, 3261.	1.6	80
52	PePSS - A portable sky scanner for measuring extremely low night-sky brightness. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 210, 74-81.	1.1	7
53	Artificial light at night causes an unexpected increase in oxalate in developing male songbirds. , 2018, 6, coy005.		21
54	Is light pollution getting better or worse?. <i>Nature Astronomy</i> , 2018, 2, 267-269.	4.2	41

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56	Nature, extent and ecological implications of nighttime light from road vehicles. <i>Journal of Applied Ecology</i> , 2018, 55, 2296-2307.	1.9	34
57	Skyglow changes over Tucson, Arizona, resulting from a municipal LED street lighting conversion. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 212, 10-23.	1.1	31
58	Emerging threat of the 21st century lightscape to global biodiversity. <i>Global Change Biology</i> , 2018, 24, 2315-2324.	4.2	49
59	Tracking the dynamics of skyglow with differential photometry using a digital camera with fisheye lens. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 209, 212-223.	1.1	72
60	How animals follow the stars. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172322.	1.2	39
61	Light pollution offshore: Zenithal sky glow measurements in the mediterranean coastal waters. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 210, 91-100.	1.1	23
62	Artificial light at night confounds broad-scale habitat use by migrating birds. <i>Ecology Letters</i> , 2018, 21, 356-364.	3.0	132
63	Circadian rhythms, refractive development, and myopia. <i>Ophthalmic and Physiological Optics</i> , 2018, 38, 217-245.	1.0	133
64	Limited evidence for affective and diurnal rhythm responses to dim light-at-night in male and female C57Bl/6 mice. <i>Physiology and Behavior</i> , 2018, 189, 78-85.	1.0	11
65	Hormonally mediated effects of artificial light at night on behavior and fitness: linking endocrine mechanisms with function. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	96
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67	The emission function of ground-based light sources: State of the art and research challenges. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 211, 35-43.	1.1	17
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70	Artificial light at night alters grassland vegetation species composition and phenology. <i>Journal of Applied Ecology</i> , 2018, 55, 442-450.	1.9	86
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72	Towards a comprehensive city emission function (CCEF). <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 205, 253-266.	1.1	22

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74	The light pollution as a surrogate for urban population of the US cities. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 492, 1088-1096.	1.2	15
75	A pigment composition analysis reveals community changes in pre-established stream periphyton under low-level artificial light at night. <i>Limnologia</i> , 2018, 69, 55-58.	0.7	9
76	Three-Degree-of-Freedom Estimation of Agile Space Objects Using Marginalized Particle Filters. <i>Journal of Guidance, Control, and Dynamics</i> , 2018, 41, 388-400.	1.6	5
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79	On-Orbit Relative Radiometric Calibration of the Night-Time Sensor of the Luojia1-01 Satellite. <i>Sensors</i> , 2018, 18, 4225.	2.1	36
80	More-than-Human Media Architecture. , 2018, , .		36
81	Public Lighting, <i>Public Health</i> . , 2018, , .		4
82	No effect of artificial light of different colors on commuting Daubenton's bats ( <i>Myotis</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 <i>Integrative Physiology</i> , 2018, 329, 506-510.	0.9	15
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85	Patterns of wild carnivore attacks on humans in urban areas. <i>Scientific Reports</i> , 2018, 8, 17728.	1.6	60
86	Orienting to polarized light at nightâ€”matching lunar skylight to performance in a nocturnal beetle. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	15
87	Artificial Light at Night Affects Emergence from a Refuge and Space Use in Guppies. <i>Scientific Reports</i> , 2018, 8, 14131.	1.6	38
88	Experimentally manipulating light spectra reveals the importance of dark corridors for commuting bats. <i>Global Change Biology</i> , 2018, 24, 5909-5918.	4.2	37
89	The impact of artificial light at night on nocturnal insects: A review and synthesis. <i>Ecology and Evolution</i> , 2018, 8, 11337-11358.	0.8	212
90	MINLU: An Instrumental Suite for Monitoring Light Pollution from Drones or Airballoons. , 2018, , .		8

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91	Multi-Level Relationships between Satellite-Derived Nighttime Lighting Signals and Social Mediaâ€‘Derived Human Population Dynamics. <i>Remote Sensing</i> , 2018, 10, 1128.	1.8	34
92	Quantitative Responses of Satellite-Derived Nighttime Lighting Signals to Anthropogenic Land-Use and Land-Cover Changes across China. <i>Remote Sensing</i> , 2018, 10, 1447.	1.8	9
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97	Spatial and seasonal patterns of night-time lights in global ocean derived from VIIRS DNB images. <i>International Journal of Remote Sensing</i> , 2018, 39, 8151-8181.	1.3	18
98	Mapping ambient light at night using field observations and high-resolution remote sensing imagery for studies of urban environments. <i>Building and Environment</i> , 2018, 145, 104-114.	3.0	22
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102	A transition to white LED increases ecological impacts of nocturnal illumination on aquatic primary producers in a lowland agricultural drainage ditch. <i>Environmental Pollution</i> , 2018, 240, 630-638.	3.7	37
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104	Light at night disrupts nocturnal rest and elevates glucocorticoids at cool color temperatures. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2018, 329, 465-472.	0.9	35
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112	From global radiance to an increased local political awareness of light pollution. <i>Environmental Science and Policy</i> , 2018, 89, 142-152.	2.4	10
113	Characterizing Light Pollution Trends across Protected Areas in China Using Nighttime Light Remote Sensing Data. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 243.	1.4	21
114	Enlightening Butterfly Conservation Efforts: The Importance of Natural Lighting for Butterfly Behavioral Ecology and Conservation. <i>Insects</i> , 2018, 9, 22.	1.0	17
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119	Migratory bats are attracted by red light but not by warm-white light: Implications for the protection of nocturnal migrants. <i>Ecology and Evolution</i> , 2018, 8, 9353-9361.	0.8	37
120	Dose-response effects of light at night on the reproductive physiology of great tits ( <i>Parus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 <i>Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2018, 329, 473-487.	0.9	31
121	Waters under Artificial Lights: Does Light Pollution Matter for Aquatic Primary Producers?. <i>Limnology and Oceanography Bulletin</i> , 2018, 27, 76-81.	0.2	24
122	The dark side of light: how artificial lighting is harming the natural world. <i>Nature</i> , 2018, 553, 268-270.	13.7	63
123	Impacts of artificial light at night on sleep: A review and prospectus. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2018, 329, 409-418.	0.9	49
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126	Insect declines and agroecosystems: does light pollution matter?. <i>Annals of Applied Biology</i> , 2018, 173, 180-189.	1.3	137
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128	The reaction distance of a planktivorous fish ( <i>Scardinius erythrophthalmus</i> ) and the evasiveness of its prey ( <i>Daphnia pulex</i> and <i>Daphnia pulex</i> ) under different artificial light spectra. <i>Limnology</i> , 2018, 19, 311-319. <sup>0.8</sup>	0.8	16



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130	Mapping the consequences of artificial light at night for intertidal ecosystems. <i>Science of the Total Environment</i> , 2019, 691, 760-768.	3.9	35
131	Artificial Light at Night Promotes Activity Throughout the Night in Nesting Common Swifts ( <i>Apus Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50</i> )	1.6	31
132	Light pollution increases West Nile virus competence of a ubiquitous passerine reservoir species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191051.	1.2	42
133	Medicine in the Fourth Dimension. <i>Cell Metabolism</i> , 2019, 30, 238-250.	7.2	245
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144	Electrophysiology and transcriptomics reveal two photoreceptor classes and complex visual integration in <i>Hirudo verbana</i> . <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	4
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148	How dark is a river? Artificial light at night in aquatic systems and the need for comprehensive night-time light measurements. <i>Wiley Interdisciplinary Reviews: Water</i> , 2019, 6, e1388.	2.8	45
149	Practical Astronomy Education at the National University of Singapore (NUS). <i>The Physics Educator</i> , 2019, 01, 1950004.	0.1	1
150	A Multifactorial Approach to Sleep and Its Association with Health-Related Quality of Life in a Multiethnic Asian Working Population: A Cross-Sectional Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4147.	1.2	6
151	Decline in beetle abundance and diversity in an intact temperate forest linked to climate warming. <i>Biological Conservation</i> , 2019, 240, 108219.	1.9	70
152	The LED Paradox: How Light Pollution Challenges Experts to Reconsider Sustainable Lighting. <i>Sustainability</i> , 2019, 11, 6160.	1.6	39
153	Mate choice decisions of female serrate-legged small treefrogs are affected by ambient light under natural, but not enhanced artificial nocturnal light conditions. <i>Behavioural Processes</i> , 2019, 169, 103997.	0.5	8
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155	Two-index model for characterizing site-specific night sky brightness patterns. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 1953-1960.	1.6	6
156	Red Sea corals under Artificial Light Pollution at Night (ALAN) undergo oxidative stress and photosynthetic impairment. <i>Global Change Biology</i> , 2019, 25, 4194-4207.	4.2	58
157	Applications of Satellite Remote Sensing of Nighttime Light Observations: Advances, Challenges, and Perspectives. <i>Remote Sensing</i> , 2019, 11, 1971.	1.8	171
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