

# CITATION REPORT

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## The World's Appetite for Light: Empirical Data and Trends Spanning Three Centuries and Six Continents

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#	Paper	IF	Citations
44	Solid-state lighting: an energy-economics perspective. <i>Journal Physics D: Applied Physics</i> , <b>2010</b> , 43, 35400-35405	1.8	112
43	Advances in the LED Materials and Architectures for Energy-Saving Solid-State Lighting Toward Lighting Revolution <i>IEEE Photonics Journal</i> , <b>2012</b> , 4, 613-619	1.8	129
42	Comparison between blue lasers and light-emitting diodes for future solid-state lighting. <i>Laser and Photonics Reviews</i> , <b>2013</b> , 7, 963-993	8.3	309
41	Introduction Part B. Ultra-efficient Solid-State Lighting: Likely Characteristics, Economic Benefits, Technological Approaches. <i>Topics in Applied Physics</i> , <b>2013</b> , 11-26	0.5	2
40	III-Nitride Based Light Emitting Diodes and Applications. <i>Topics in Applied Physics</i> , <b>2013</b> ,	0.5	65
39	Ultra-efficient solid-state lighting: Likely characteristics, economic benefits, technological approaches. <b>2013</b> ,		
38	Potential of new lighting technologies in reducing household lighting energy use and CO2 emissions in Finland. <i>Energy Efficiency</i> , <b>2014</b> , 7, 559-570	3	10
37	An agent based approach to the potential for rebound resulting from evolution of residential lighting technologies. <i>International Journal of Life Cycle Assessment</i> , <b>2014</b> , 19, 370-376	4.6	22
36	Residential energy-efficient lighting adoption survey. <i>Energy Efficiency</i> , <b>2014</b> , 7, 323-333	3	7
35	A brighter future? Quantifying the rebound effect in energy efficient lighting. <i>Energy Policy</i> , <b>2014</b> , 72, 35-42	7.2	52
34	Energy Frontier Research Center for Solid-State Lighting Science: Exploring New Materials Architectures and Light Emission Phenomena. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 13330-13345	3.8	12
33	Solid-State Lighting: Toward Smart and Ultraefficient Materials, Devices, Lamps, and Systems. <b>2015</b> , 1-56		1
32	The Blue LED Nobel Prize: Historical context, current scientific understanding, human benefit. <i>Annalen Der Physik</i> , <b>2015</b> , 527, A53-A61	2.6	27
31	Reducing energy demand: A review of issues, challenges and approaches. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 47, 74-82	16.2	391
30	Emergent Effects of Residential Lighting Choices: Prospects for Energy Savings. <i>Journal of Industrial Ecology</i> , <b>2015</b> , 19, 285-295	7.2	27
29	Beyond unsustainable eco-innovation: The role of narratives in the evolution of the lighting sector. <i>Technological Forecasting and Social Change</i> , <b>2015</b> , 92, 69-83	9.5	41
28	Constitutive Explanations as a Methodological Framework for Integrating Thermodynamics and Economics. <i>Entropy</i> , <b>2016</b> , 18, 18	2.8	3

27	Potential Long-Term Global Environmental Implications of Efficient Light-Source Technologies. <i>Journal of Industrial Ecology</i> , <b>2016</b> , 20, 263-275	7.2	20
26	Ultra-Efficient Solid-State Lighting: Likely Characteristics, Economic Benefits, Technological Approaches. <i>Topics in Applied Physics</i> , <b>2017</b> , 11-28	0.5	2
25	Artificially lit surface of Earth at night increasing in radiance and extent. <i>Science Advances</i> , <b>2017</b> , 3, e1701128	14.8	352
24	Skyglow changes over Tucson, Arizona, resulting from a municipal LED street lighting conversion. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2018</b> , 212, 10-23	2.1	20
23	Future indoor light and associated energy consumption based on professionals' visions: A practice- and network-oriented analysis. <i>Technological Forecasting and Social Change</i> , <b>2018</b> , 129, 1-11	9.5	4
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21	LEDs for photons, physiology and food. <i>Nature</i> , <b>2018</b> , 563, 493-500	50.4	158
20	. <b>2018</b> ,		5
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17	Industrial Opportunities and Challenges for Perovskite Photovoltaic Technology. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900144	14.4	29
16	Calibration of an Autonomous Instrument for Monitoring Light Pollution from Drones. <i>Sensors</i> , <b>2019</b> , 19,	3.8	11
15	The Energy and Exergy of Light with Application to Societal Exergy Analysis. <i>Energies</i> , <b>2020</b> , 13, 5489	3.1	2
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13	Artificial light: traditional and new sources, their potential impact on health, and coping strategies: preliminary spectral analysis. <b>2021</b> ,		1
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11	The Critical Challenge of Climate Change for Psychology. <i>European Psychologist</i> , <b>2014</b> , 19, 96-106	4.4	60
10	A linear systems approach to protect the night sky: implications for current and future regulations. <i>Royal Society Open Science</i> , <b>2020</b> , 7, 201501	3.3	7

9	Direct measurement of the contribution of street lighting to satellite observations of nighttime light emissions from urban areas. <i>Lighting Research and Technology</i> , <b>2021</b> , 53, 189-211	2	18
8	Constitutive Explanations as a Methodological Framework for Integrating Thermodynamics and Economics. <i>SSRN Electronic Journal</i> ,	1	1
7	Economics of the Anthropocene: An Exploratory Essay. <i>SSRN Electronic Journal</i> ,	1	
6	A New Approach to Identify On-Ground Lamp Types from Night-Time ISS Images. <i>Remote Sensing</i> , <b>2021</b> , 13, 4413	5	0
5	Instrument assessment and atmospheric phenomena in relation to the night sky brightness time series. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2022</b> , 191, 110823	4.6	1
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3	Amber is not yet the white knight for sustainable outdoor light. <b>2022</b> , 1099, 012045		0
2	Specifying Non-White Light Sources in Outdoor Applications to Reduce Light Pollution. 1-25		0
1	Citizen scientists report global rapid reductions in the visibility of stars from 2011 to 2022. <b>2023</b> , 379, 265-268		2