

Christopher D Elvidge

List of Publications by Year in descending order

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38
papers

7,201
citations

201575

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315616

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39
all docs

39
docs citations

39
times ranked

4932
citing authors

#	ARTICLE	IF	CITATIONS
1	The VIIRS Day/Night Band: A Flicker Meter in Space?. Remote Sensing, 2022, 14, 1316.	1.8	9
2	Mobility, nightlights and air pollution during the early phases of the SARS-CoV-2 pandemic. Environmental Research Communications, 2022, 4, 041003.	0.9	1
3	Estimating global economic well-being with unlit settlements. Nature Communications, 2022, 13, 2459.	5.8	22
4	The electricity scene from above: Exploring power grid inconsistencies using satellite data in Accra, Ghana. Applied Energy, 2022, 319, 119237.	5.1	7
5	Annual Time Series of Global VIIRS Nighttime Lights Derived from Monthly Averages: 2012 to 2019. Remote Sensing, 2021, 13, 922.	1.8	214
6	The Annual Cycling of Nighttime Lights in India. Remote Sensing, 2021, 13, 1199.	1.8	9
7	Measuring Gas Flaring in Russia with Multispectral VIIRS Nightfire. Remote Sensing, 2021, 13, 3078.	1.8	12
8	Subpixel Analysis of Primary and Secondary Infrared Emitters with Nighttime VIIRS Data. Fire, 2021, 4, 83.	1.2	6
9	Extending the DMSP Nighttime Lights Time Series beyond 2013. Remote Sensing, 2021, 13, 5004.	1.8	22
10	Cross-Sensor Nighttime Lights Image Calibration for DMSP/OLS and SNPP/VIIRS with Residual U-Net. Remote Sensing, 2021, 13, 5026.	1.8	13
11	Remote sensing of night lights: A review and an outlook for the future. Remote Sensing of Environment, 2020, 237, 111443.	4.6	442
12	The Dimming of Lights in India during the COVID-19 Pandemic. Remote Sensing, 2020, 12, 3289.	1.8	27
13	The Dimming of Lights in China during the COVID-19 Pandemic. Remote Sensing, 2020, 12, 2851.	1.8	55
14	Indicators of Electric Power Instability from Satellite Observed Nighttime Lights. Remote Sensing, 2020, 12, 3194.	1.8	35
15	Applications of Satellite Remote Sensing of Nighttime Light Observations: Advances, Challenges, and Perspectives. Remote Sensing, 2019, 11, 1971.	1.8	171
16	Cross-Matching VIIRS Boat Detections with Vessel Monitoring System Tracks in Indonesia. Remote Sensing, 2019, 11, 995.	1.8	43
17	Extending Nighttime Combustion Source Detection Limits with Short Wavelength VIIRS Data. Remote Sensing, 2019, 11, 395.	1.8	33
18	The potential role of natural gas flaring in meeting greenhouse gas mitigation targets. Energy Strategy Reviews, 2018, 20, 156-162.	3.3	103

#	ARTICLE	IF	CITATIONS
19	Mapping Fishing Activities and Suitable Fishing Grounds Using Nighttime Satellite Images and Maximum Entropy Modelling. <i>Remote Sensing</i> , 2018, 10, 1604.	1.8	47
20	Variation of Individual Location Radiance in VIIRS DNB Monthly Composite Images. <i>Remote Sensing</i> , 2018, 10, 1964.	1.8	44
21	Dark Times: nighttime satellite imagery as a detector of regional disparity and the geography of conflict. <i>GIScience and Remote Sensing</i> , 2017, 54, 118-139.	2.4	22
22	Artificially lit surface of Earth at night increasing in radiance and extent. <i>Science Advances</i> , 2017, 3, e1701528.	4.7	560
23	VIIRS night-time lights. <i>International Journal of Remote Sensing</i> , 2017, 38, 5860-5879.	1.3	554
24	Methods for Global Survey of Natural Gas Flaring from Visible Infrared Imaging Radiometer Suite Data. <i>Energies</i> , 2016, 9, 14.	1.6	247
25	The new world atlas of artificial night sky brightness. <i>Science Advances</i> , 2016, 2, e1600377.	4.7	948
26	DMSP-OLS Radiance Calibrated Nighttime Lights Time Series with Intercalibration. <i>Remote Sensing</i> , 2015, 7, 1855-1876.	1.8	164
27	Automatic Boat Identification System for VIIRS Low Light Imaging Data. <i>Remote Sensing</i> , 2015, 7, 3020-3036.	1.8	153
28	Long-wave infrared identification of smoldering peat fires in Indonesia with nighttime Landsat data. <i>Environmental Research Letters</i> , 2015, 10, 065002.	2.2	35
29	Illuminating the Capabilities of the Suomi National Polar-Orbiting Partnership (NPP) Visible Infrared Imaging Radiometer Suite (VIIRS) Day/Night Band. <i>Remote Sensing</i> , 2013, 5, 6717-6766.	1.8	260
30	Development of a 2009 Stable Lights Product using DMSP-OLS data. <i>Proceedings of the Asia-Pacific Advanced Network</i> , 2013, 30, 114.	0.3	158
31	VIIRS Nightfire: Satellite Pyrometry at Night. <i>Remote Sensing</i> , 2013, 5, 4423-4449.	1.8	203
32	Why VIIRS data are superior to DMSP for mapping nighttime lights. <i>Proceedings of the Asia-Pacific Advanced Network</i> , 2013, 35, 62.	0.3	419
33	Using Nighttime Satellite Imagery as a Proxy Measure of Human Well-Being. <i>Sustainability</i> , 2013, 5, 4988-5019.	1.6	139
34	Suomi satellite brings to light a unique frontier of nighttime environmental sensing capabilities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15706-15711.	3.3	217
35	Limiting the impact of light pollution on human health, environment and stellar visibility. <i>Journal of Environmental Management</i> , 2011, 92, 2714-2722.	3.8	419
36	Spectral Identification of Lighting Type and Character. <i>Sensors</i> , 2010, 10, 3961-3988.	2.1	243

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37	A Fifteen Year Record of Global Natural Gas Flaring Derived from Satellite Data. <i>Energies</i> , 2009, 2, 595-622.	1.6	706
38	Night-time lights of the world: 1994â€“1995. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2001, 56, 81-99.	4.9	420