# HÃ©ctor Antonio Solano lamphar

List of Publications by Year
in descending order



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|---|---|---|---|
| 19 papers | 321 citations | 759233 12 h-index | 888059 17 g-index |
| 19 all docs | 19 docs citations | 19 times ranked | 223 citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 1 | The spectral amplification effect of clouds to the night sky radiance in Madrid. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 181, 11-23. | 2.3 | 38 |
| 2 | Night-sky radiometry can revolutionize the characterization of light-pollution sources globally. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7712-7717. | 7.1 | 33 |
| 3 | Quantitative analysis of night skyglow amplification under cloudy conditions. Monthly Notices of the Royal Astronomical Society, 2014, 443, 3665-3674. | 4.4 | 26 |
| 4 | Light Pollution in Ultraviolet and Visible Spectrum: Effect on Different Visual Perceptions. PLoS ONE, 2013, 8, e56563. | 2.5 | 25 |
| 5 | Light pollution as a factor in breast and prostate cancer. Science of the Total Environment, 2022, 806, 150918. | 8.0 | 24 |
| 6 | Retrieval of Garstang's emission function from all-sky camera images. Monthly Notices of the Royal Astronomical Society, 2015, 453, 819-827. | 4.4 | 19 |
| 7 | On the relation between zenith sky brightness and horizontal illuminance. Monthly Notices of the Royal Astronomical Society, 2015, 446, 2895-2901. | 4.4 | 19 |
| 8 | The emission function of ground-based light sources: State of the art and research challenges. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 211, 35-43. | 2.3 | 17 |
| 9 | Multiple Angle Observations Would Benefit Visible Band Remote Sensing Using Night Lights. Journal of Geophysical Research D: Atmospheres, 2022, 127, . | 3.3 | 15 |
| 10 | Measuring Critical Success Factors for Six Sigma in Higher Education Institutions: Development and Validation of a Surveying Instrument. IEEE Access, 2020, 8, 1813-1823. | 4.2 | 14 |
| 11 | Skyglow effects in UV and visible spectra: Radiative fluxes. Journal of Environmental Management, 2013, 127, 300-307. | 7.8 | 13 |
| 12 | Skyglow: a retrieval of the approximate radiant intensity function of ground-based light sources. Monthly Notices of the Royal Astronomical Society, 2014, 439, 3405-3413. | 4.4 | 13 |
| 13 | Urban night-sky luminance due to different cloud types: A numerical experiment. Lighting Research and Technology, 2016, 48, 1017-1033. | 2.7 | 13 |
| 14 | Urban artificial light emission function determined experimentally using night sky images. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 181, 87-95. | 2.3 | 12 |
| 15 | A microcontroller-based system for automated and continuous sky glow measurements with the use of digital single-lens reflex cameras. Lighting Research and Technology, 2014, 46, 20-30. | 2.7 | 9 |
| 16 | Angular Emission Function of a City and Skyglow Modeling: A Critical Perspective. Publications of the Astronomical Society of the Pacific, 2016, 128, 124001. | 3.1 | 9 |
| 17 | An asymptotic formula for skyglow modelling over a large territory. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2214-2224. | 4.4 | 9 |
| 18 | Spatio-temporal association of light pollution and urban sprawl using remote sensing imagery and GIS: A simple method based in Otsu's algorithm. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 251, 107060. | 2.3 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Numerical research on the effects the skyglow could have in phytochromes and RQE photoreceptors of plants. Journal of Environmental Management, 2018, 209, 484-494. | 7.8 | 5 |