Alejandro SÃ¡nchez de Miguel

List of Publications by Year
in descending order

37 papers	2,176 citations	361413 20 h-index	330143 37 g-index
40 all docs	40 docs citations	40 times ranked	1712 citing authors

#	Article	IF	Citations
1	Artificially lit surface of Earth at night increasing in radiance and extent. Science Advances, 2017, 3, e1701528.	10.3	560
2	Remote sensing of night lights: A review and an outlook for the future. Remote Sensing of Environment, 2020, 237, 111443.	11.0	442
3	High-Resolution Imagery of Earth at Night: New Sources, Opportunities and Challenges. Remote Sensing, 2015, 7, 1-23.	4.0	168
4	Evaluating the Association between Artificial Light-at-Night Exposure and Breast and Prostate Cancer Risk in Spain (MCC-Spain Study). Environmental Health Perspectives, 2018, 126, 047011.	6.0	125
5	Sky Quality Meter measurements in a colour-changing world. Monthly Notices of the Royal Astronomical Society, 2017, 467, 2966-2979.	4.4	90
6	Colour remote sensing of the impact of artificial light at night (I): The potential of the International Space Station and other DSLR-based platforms. Remote Sensing of Environment, 2019, 224, 92-103.	11.0	85
7	Evolution of the energy consumed by street lighting in Spain estimated with DMSP-OLS data. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 139, 109-117.	2.3	66
8	First Estimation of Global Trends in Nocturnal Power Emissions Reveals Acceleration of Light Pollution. Remote Sensing, 2021, 13, 3311.	4.0	55
9	Accounting for artificial light impact on bat activity for a biodiversity-friendly urban planning. Landscape and Urban Planning, 2019, 183, 12-25.	7.5	49
10	The nature of the diffuse light near cities detected in nighttime satellite imagery. Scientific Reports, 2020, 10, 7829.	3.3	47
11	Pervasiveness of Biological Impacts of Artificial Light at Night. Integrative and Comparative Biology, 2021, 61, 1098-1110.	2.0	43
12	Estimating the relative contribution of streetlights, vehicles, and residential lighting to the urban night sky brightness. Lighting Research and Technology, 2019, 51, 1092-1107.	2.7	40
13	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
14	Effects of the COVID-19 Lockdown on Urban Light Emissions: Ground and Satellite Comparison. Remote Sensing, 2021, 13, 258.	4.0	33
15	Association Between Outdoor Light-at-night Exposure and Colorectal Cancer in Spain. Epidemiology, 2020, 31, 718-727.	2.7	31
16	Atlas of astronaut photos of Earth at night. Astronomy and Geophysics, 2014, 55, 4.36-4.36.	0.2	28
17	STARS4ALL Night Sky Brightness Photometer. International Journal of Sustainable Lighting, 0, 18, 49-54.	1.9	28
18	Testing sky brightness models against radial dependency: A dense two dimensional survey around the city of Madrid, Spain. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 181, 52-66.	2.3	26

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19	Statistical modelling and satellite monitoring of upward light from public lighting. Lighting Research and Technology, 2016, 48, 810-822.	2.7	24
20	The 2011 October Draconids outburst â€“ I. Orbital elements, meteoroid fluxes and 21P/Giacobiniâ€“Zinner delivered mass to Earth. Monthly Notices of the Royal Astronomical Society, 2013, 433, 560-570.	4.4	23
21	Colour remote sensing of the impact of artificial light at night (II): Calibration of DSLR-based images from the International Space Station. Remote Sensing of Environment, 2021, 264, 112611.	11.0	23
22	National Scale Spatial Variation in Artificial Light at Night. Remote Sensing, 2020, 12, 1591.	4.0	17
23	Synthetic RGB photometry of bright stars: definition of the standard photometric system and UCM library of spectrophotometric spectra. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3730-3748.	4.4	15
24	Multiple Angle Observations Would Benefit Visible Band Remote Sensing Using Night Lights. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	15
25	Orbits and emission spectra from the 2014 Camelopardalids. Monthly Notices of the Royal Astronomical Society, 2014, 445, 3309-3314.	4.4	12
26	Analysis of two superbolides with a cometary origin observed over the Iberian Peninsula. Icarus, 2014, 233, 27-35.	2.5	12
27	Evolution of Brightness and Color of the Night Sky in Madrid. Remote Sensing, 2021, 13, 1511.	4.0	12
28	Trajectory, orbit, and spectroscopic analysis of a bright fireball observed over Spain on April 13, 2013. Astronomy and Astrophysics, 2014, 569, A104.	5.1	11
29	Zernike power spectra of clear and cloudy light-polluted urban night skies. Applied Optics, 2015, 54, 4120.	2.1	9
30	Evaluating Human Photoreceptoral Inputs from Night-Time Lights Using RGB Imaging Photometry. Journal of Imaging, 2019, 5, 49.	3.0	9
31	Zernike analysis of all-sky night brightness maps. Applied Optics, 2014, 53, 2677.	1.8	8
32	Analysis of the September Îµ-Perseid outburst in 2013. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2501-2507.	4.4	8
33	A New Approach to Identify On-Ground Lamp Types from Night-Time ISS Images. Remote Sensing, 2021, 13, 4413.	4.0	6
34	Analysis of a superbolide from a damocloid observed over Spain on 2012 July 13. Monthly Notices of the Royal Astronomical Society, 2013, 436, 3656-3662.	4.4	5
35	RGB photometric calibration of 15 million Gaia stars. Monthly Notices of the Royal Astronomical Society, 2021, 507, 318-329.	4.4	4
36	Low cost multi-purpose balloon-borne platform for wide-field imaging and video observation. Proceedings of SPIE, 2016, , .	0.8	3

#	Article	IF	Citations
37	NIXNOX project: Sites in Spain where citizens can enjoy dark starry skies. Proceedings of the International Astronomical Union, 2012, 10, 739-739.	0.0	1