

Jaime Zamorano

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

107
papers

3,685
citations

33
h-index

58
g-index

134
ext. papers

3,990
ext. citations

3.6
avg, IF

4.97
L-index

#	Paper	IF	Citations
107	Evolution of Brightness and Color of the Night Sky in Madrid. <i>Remote Sensing</i> , 2021 , 13, 1511	5	4
106	Synthetic RGB photometry of bright stars: definition of the standard photometric system and UCM library of spectrophotometric spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 504, 3730-3748 ⁸	4.3	8
105	RGB photometric calibration of 15 million Gaia stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 507, 318-329	4.3	2
104	Colour remote sensing of the impact of artificial light at night (II): Calibration of DSLR-based images from the International Space Station. <i>Remote Sensing of Environment</i> , 2021 , 264, 112611	13.2	9
103	Effects of the COVID-19 Lockdown on Urban Light Emissions: Ground and Satellite Comparison. <i>Remote Sensing</i> , 2021 , 13, 258	5	21
102	Mapping the Melatonin Suppression, Star Light and Induced Photosynthesis Indices with the LANcube. <i>Remote Sensing</i> , 2020 , 12, 3954	5	2
101	The nature of the diffuse light near cities detected in nighttime satellite imagery. <i>Scientific Reports</i> , 2020 , 10, 7829	4.9	27
100	Magnitude to luminance conversions and visual brightness of the night sky. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 493, 2429-2437	4.3	12
99	Monitoring Long-Term Trends in the Anthropogenic Night Sky Brightness. <i>Sustainability</i> , 2019 , 11, 3070	3.6	17
98	Evaluating Human Photoreceptor Inputs from Night-Time Lights Using RGB Imaging Photometry. <i>Journal of Imaging</i> , 2019 , 5,	3.1	8
97	Absolute Radiometric Calibration of TESS-W and SQM Night Sky Brightness Sensors. <i>Sensors</i> , 2019 , 19,	3.8	18
96	Colour remote sensing of the impact of artificial light at night (I): The potential of the International Space Station and other DSLR-based platforms. <i>Remote Sensing of Environment</i> , 2019 , 224, 92-103	13.2	55
95	Standardized spectral and radiometric calibration of consumer cameras. <i>Optics Express</i> , 2019 , 27, 19075-19101 ⁴⁶	3.9	46
94	Multispectral estimation of retinal photoreceptor inputs. <i>Photonics Letters of Poland</i> , 2019 , 11, 60	2.1	2
93	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	2.1	15
92	LICA AstroCalc, a software to analyze the impact of artificial light: Extracting parameters from the spectra of street and indoor lamps. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018 , 214, 33-38	2.1	2
91	<i>Pseudomonas syringae</i> pv. tomato exploits light signals to optimize virulence and colonization of leaves. <i>Environmental Microbiology</i> , 2018 , 20, 4261-4280	5.2	14

90	Analysis of the September \mathbb{P} Perseid outburst in 2013. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 480, 2501-2507	4.3	5
89	MEGARA, the R=6000-20000 IFU and MOS of GTC 2018 ,		5
88	First scientific observations with MEGARA at GTC 2018 ,		5
87	Sky Quality Meter measurements in a colour-changing world. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 467, 2966-2979	4.3	68
86	Creating lenticular galaxies with mergers. <i>Proceedings of the International Astronomical Union</i> , 2016 , 11, 114-116	0.1	1
85	Statistical modelling and satellite monitoring of upward light from public lighting. <i>Lighting Research and Technology</i> , 2016 , 48, 810-822	2	17
84	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	2.1	22
83	The spectral amplification effect of clouds to the night sky radiance in Madrid. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016 , 181, 11-23	2.1	32
82	MEGARA, the new intermediate-resolution optical IFU and MOS for GTC: getting ready for the telescope 2016 ,		6
81	Zernike power spectra of clear and cloudy light-polluted urban night skies 2015 , 54, 4120		9
80	High-Resolution Imagery of Earth at Night: New Sources, Opportunities and Challenges. <i>Remote Sensing</i> , 2015 , 7, 1-23	5	126
79	Formation of S0 galaxies through mergers. <i>Astronomy and Astrophysics</i> , 2015 , 573, A78	5.1	47
78	Creating S0s with Major Mergers: A 3D View. <i>Galaxies</i> , 2015 , 3, 202-211	2	2
77	Worldwide variations in artificial skyglow. <i>Scientific Reports</i> , 2015 , 5, 8409	4.9	103
76	Analysis of two superbolides with a cometary origin observed over the Iberian Peninsula. <i>Icarus</i> , 2014 , 233, 27-35	3.8	10
75	Evolution of the energy consumed by street lighting in Spain estimated with DMSP-OLS data. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014 , 139, 109-117	2.1	55
74	Trajectory, orbit, and spectroscopic analysis of a bright fireball observed over Spain on April 13, 2013. <i>Astronomy and Astrophysics</i> , 2014 , 569, A104	5.1	9
73	MEGARA: a new generation optical spectrograph for GTC 2014 ,		2

72	Evolution induced by dry minor mergers onto fast-rotator S0 galaxies. <i>Astronomy and Astrophysics</i> , 2014 , 565, A31	5.1	24
71	Atlas of astronaut photos of Earth at night. <i>Astronomy and Geophysics</i> , 2014 , 55, 4.36-4.36	0.2	22
70	Zernike analysis of all-sky night brightness maps. <i>Applied Optics</i> , 2014 , 53, 2677-86	1.7	8
69	Formation of S0 galaxies through mergers. <i>Astronomy and Astrophysics</i> , 2014 , 570, A103	5.1	49
68	Orbits and emission spectra from the 2014 Camelopardalids. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 445, 3309-3314	4.3	11
67	A randomized controlled trial to prevent post-operative atrial fibrillation by antioxidant reinforcement. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 1457-65	15.1	99
66	Analysis of a superbolide from a damocloid observed over Spain on 2012 July 13. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 436, 3656-3662	4.3	5
65	Evolutionary paths among different red galaxy types at 0.3 Monthly Notices of the Royal Astronomical Society, 2013 , 428, 999-1019	4.3	26
64	The 2011 October Draconids outburst II. Orbital elements, meteoroid fluxes and 21P/Giacobini-Zinner delivered mass to Earth. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 433, 560-570	4.3	20
63	SHARDS: AN OPTICAL SPECTRO-PHOTOMETRIC SURVEY OF DISTANT GALAXIES. <i>Astrophysical Journal</i> , 2013 , 762, 46	4.7	70
62	Evolution along the sequence of S0 Hubble types induced by dry minor mergers. <i>Astronomy and Astrophysics</i> , 2013 , 552, A67	5.1	23
61	MEGARA: the future optical IFU and multi-object spectrograph for the 10.4m GTC telescope 2012 ,		2
60	Evolution along the sequence of S0 Hubble types induced by dry minor mergers. <i>Astronomy and Astrophysics</i> , 2012 , 547, A48	5.1	30
59	NIXNOX project: Sites in Spain where citizens can enjoy dark starry skies. <i>Proceedings of the International Astronomical Union</i> , 2012 , 10, 739-739	0.1	1
58	INTEGRAL FIELD SPECTROSCOPY AND MULTI-WAVELENGTH IMAGING OF THE NEARBY SPIRAL GALAXY NGC 5668: AN UNUSUAL FLATTENING IN METALLICITY GRADIENT. <i>Astrophysical Journal</i> , 2012 , 754, 61	4.7	28
57	Evolutionary paths among different red galaxy types at 0.3 z 1.5 and the build-up of massive E-S0s. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 176-176	0.1	1
56	A minor merger origin for stellar inner discs and rings in spiral galaxies. <i>Astronomy and Astrophysics</i> , 2011 , 533, A104	5.1	54
55	STAR FORMATION RATES AND STELLAR MASSES OF SELECTED STAR-FORMING GALAXIES AT $z=0.84$: A QUANTIFICATION OF THE DOWNSIZING. <i>Astrophysical Journal</i> , 2011 , 740, 47	4.7	14

54	RADIAL DISTRIBUTION OF STARS, GAS, AND DUST IN SINGS GALAXIES. III. MODELING THE EVOLUTION OF THE STELLAR COMPONENT IN GALAXY DISKS. <i>Astrophysical Journal</i> , 2011 , 731, 10	4.7	57
53	Integral field spectroscopy of local LCBGs: NGC 7673, a case study. Physical properties of star-forming regions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 411, 1819-1832	4.3	3
52	Antioxidant therapy reduces oxidative and inflammatory tissue damage in patients subjected to cardiac surgery with extracorporeal circulation. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2011 , 108, 256-62	3.1	48
51	Three-dimensional spectroscopy of local luminous compact blue galaxies: kinematic maps of a sample of 22 objects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 418, 2350-2366	4.3	10
50	UV-TO-FIR ANALYSIS OF SPITZER /IRAC SOURCES IN THE EXTENDED GROTH STRIP. II. PHOTOMETRIC REDSHIFTS, STELLAR MASSES, AND STAR FORMATION RATES. <i>Astrophysical Journal, Supplement Series</i> , 2011 , 193, 30	8	86
49	UV-TO-FIR ANALYSIS OF SPITZER /IRAC SOURCES IN THE EXTENDED GROTH STRIP. I. MULTI-WAVELENGTH PHOTOMETRY AND SPECTRAL ENERGY DISTRIBUTIONS. <i>Astrophysical Journal, Supplement Series</i> , 2011 , 193, 13	8	86
48	Reconciling a Significant Hierarchical Assembly of Massive Early-Type Galaxies at $z \sim 1$ with Mass Downsizing. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2011 , 211-213	0.3	
47	3D spectroscopy of local luminous compact blue galaxies: kinematics of NGC 7673. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 402, 1397-1406	4.3	10
46	Use of vitamins C and E as a prophylactic therapy to prevent postoperative atrial fibrillation. <i>International Journal of Cardiology</i> , 2010 , 138, 221-8	3.2	41
45	Spectro-photometric close pairs in GOODS-S: major and minor companions of intermediate-mass galaxies. <i>Astronomy and Astrophysics</i> , 2010 , 518, A20	5.1	25
44	On the buildup of massive early-type galaxies at $z \sim 1$. <i>Astronomy and Astrophysics</i> , 2010 , 519, A55	5.1	27
43	THE MINOR ROLE OF GAS-RICH MAJOR MERGERS IN THE RISE OF INTERMEDIATE-MASS EARLY TYPES AT $z \sim 1$. <i>Astrophysical Journal</i> , 2010 , 710, 1170-1178	4.7	34
42	RADIAL DISTRIBUTION OF STARS, GAS AND DUST IN SINGS GALAXIES. I. SURFACE PHOTOMETRY AND MORPHOLOGY. <i>Astrophysical Journal</i> , 2009 , 703, 1569-1596	4.7	112
41	On the nature of the extragalactic number counts in the K-band. <i>Astronomy and Astrophysics</i> , 2009 , 494, 63-79	5.1	18
40	Puerto Lbice eucrite fall: Strewn field, physical description, probable fireball trajectory, and orbit. <i>Meteoritics and Planetary Science</i> , 2009 , 44, 175-186	2.8	6
39	The Evolution of Passive Galaxies since $z=1$: Major Mergers vs Secular Processes. <i>Proceedings of the International Astronomical Union</i> , 2009 , 5, 209-212	0.1	
38	RADIAL DISTRIBUTION OF STARS, GAS, AND DUST IN SINGS GALAXIES. II. DERIVED DUST PROPERTIES. <i>Astrophysical Journal</i> , 2009 , 701, 1965-1991	4.7	174
37	The galaxy major merger fraction to $z \sim 1$. <i>Astronomy and Astrophysics</i> , 2009 , 501, 505-518	5.1	61

36	GUAIX: The UCM Group of Extragalactic Astrophysics and Astronomical Instrumentation. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2009 , 169-170	0.3	
35	Prevention of atrial fibrillation following cardiac surgery: basis for a novel therapeutic strategy based on non-hypoxic myocardial preconditioning 2008 , 118, 104-27		47
34	The Stellar Mass Assembly of Galaxies from $z=0$ to $z=4$: Analysis of a Sample Selected in the Rest-Frame Near-Infrared with Spitzer. <i>Astrophysical Journal</i> , 2008 , 675, 234-261	4.7	458
33	The H α -based Star Formation Rate Density of the Universe at $z=0.84$. <i>Astrophysical Journal</i> , 2008 , 677, 169-185	4.7	79
32	Exploring the Evolutionary Paths of the Most Massive Galaxies since $z\sim 2$. <i>Astrophysical Journal</i> , 2008 , 687, 50-58	4.7	56
31	A Contribution to the Selection of Emission-Line Galaxies Using Narrowband Filters in the Optical Airglow Windows. <i>Publications of the Astronomical Society of the Pacific</i> , 2007 , 119, 30-49	5	18
30	Specific Star Formation Rate Profiles in Nearby Spiral Galaxies: Quantifying the Inside-Out Formation of Disks. <i>Astrophysical Journal</i> , 2007 , 658, 1006-1026	4.7	136
29	Non-hypoxic preconditioning of myocardium against postoperative atrial fibrillation: mechanism based on enhancement of the antioxidant defense system. <i>Medical Hypotheses</i> , 2007 , 69, 1242-8	3.8	9
28	Luminosity and Stellar Mass Functions of Local Star-forming Galaxies. <i>Astrophysical Journal</i> , 2003 , 587, L27-L30	4.7	16
27	Stellar populations in local star-forming galaxies -- I. Data and modelling procedure. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003 , 338, 508-524	4.3	18
26	Stellar populations in local star-forming galaxies -- II. Recent star formation properties and stellar masses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003 , 338, 525-543	4.3	45
25	Spatial Analysis of the H α Emission in the Local Star-forming UCM Galaxies. <i>Astrophysical Journal</i> , 2003 , 591, 827-842	4.7	73
24	Proper handling of random errors and distortions in astronomical data analysis 2002 , 4847, 297		2
23	The [O III] λ 727 Luminosity Function of the Local Universe. <i>Astrophysical Journal</i> , 2002 , 570, L1-L4	4.7	46
22	[TSUP]12/[TSUP]CO Mapping of the Low-Metallicity Blue Compact Dwarf Galaxy Markarian 86. <i>Astrophysical Journal</i> , 2002 , 573, L101-L105	4.7	9
21	The H α SFR of the Universe at $z=0.24$ and $z=0.4$. <i>Astrophysics and Space Science</i> , 2001 , 277, 583-583	1.6	
20	H α -emitting galaxies and the star formation rate density at $z\sim 0.24$. <i>Astronomy and Astrophysics</i> , 2001 , 379, 798-806	5.1	48
19	Star formation properties of Universidad Complutense de Madrid survey galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000 , 316, 357-373	4.3	23

18	EMIR: cryogenic NIR multi-object spectrograph for GTC 2000 , 4008, 797		6
17	Multifrequency observations of the interacting galaxy NGC 4922 (UCM 1259 + 2934). <i>Monthly Notices of the Royal Astronomical Society</i> , 1999 , 302, 561-570	4.3	7
16	Global velocity field and bubbles in the blue compact dwarf galaxy Mrk 86. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999 , 306, 975-987	4.3	9
15	Survey for Emission-Line Galaxies: Universidad Complutense de Madrid List 3*. <i>Astrophysical Journal, Supplement Series</i> , 1999 , 122, 415-430	8	17
14	Optimizing Results from Automatic Objective-Prism Surveys. <i>Astrophysics and Space Science</i> , 1998 , 263, 95-98	1.6	1
13	NIR Properties of the UCM Star-Forming Galaxies. <i>Astrophysics and Space Science</i> , 1998 , 263, 147-150	1.6	
12	Mrk86: A Not-So-Dark Galaxy. <i>Astrophysics and Space Science</i> , 1998 , 263, 151-154	1.6	
11	Spectroscopic Properties and Luminosity Distribution of the Universidad Complutense de Madrid Survey Galaxies. <i>Astrophysical Journal</i> , 1997 , 475, 502-511	4.7	59
10	Survey for Emission-Line Galaxies: Universidad Complutense de Madrid List 2. <i>Astrophysical Journal, Supplement Series</i> , 1996 , 105, 343	8	34
9	The spectrum of fireball light taken with a 2-m telescope. <i>Earth, Moon and Planets</i> , 1995 , 68, 217-222	0.6	6
8	The Current Star Formation Rate of the Local Universe. <i>Astrophysical Journal</i> , 1995 , 455,	4.7	257
7	Survey of emission-line galaxies: Universidad Complutense de Madrid list. <i>Astrophysical Journal, Supplement Series</i> , 1994 , 95, 387	8	57
6	IRAS observations of H-alpha selected emission-line galaxies. <i>Astronomical Journal</i> , 1993 , 105, 427	4.9	6
5	UCM 2257 + 2438, a new narrow-line Seyfert 1 galaxy. <i>Astronomical Journal</i> , 1992 , 104, 1000	4.9	7
4	New emission-line galaxies identified from an objective prism survey. <i>Astrophysics and Space Science</i> , 1990 , 170, 353-360	1.6	3
3	The mass-radius relation in binary systems. <i>Astrophysics and Space Science</i> , 1985 , 114, 259-269	1.6	16
2	STARS4ALL Night Sky Brightness Photometer. <i>International Journal of Sustainable Lighting</i> , 18 , 49-54	1.5	16
1	On the Relation between the Astronomical and Visual Photometric Systems in Specifying the Brightness of the Night Sky for Mesopically Adapted Observers. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 1-12	3.5	2

