

Sergio Pascual

List of Publications by Year in descending order

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42
papers

5,277
citations

623734

14
h-index

501196

28
g-index

42
all docs

42
docs citations

42
times ranked

9063
citing authors

#	ARTICLE	IF	CITATIONS
1	The Astropy Project: Building an Open-science Project and Status of the v2.0 Core Package [*] . <i>Astronomical Journal</i> , 2018, 156, 123.	4.7	4,142
2	The Stellar Mass Assembly of Galaxies from $z = 0$ to $z = 4$: Analysis of a Sample Selected in the Rest-frame Near-Infrared with <i>Spitzer</i> . <i>Astrophysical Journal</i> , 2008, 675, 234-261.	4.5	502
3	Standardized spectral and radiometric calibration of consumer cameras. <i>Optics Express</i> , 2019, 27, 19075.	3.4	86
4	The H α -based Star Formation Rate Density of the Universe at $z = 0.84$. <i>Astrophysical Journal</i> , 2008, 677, 169-185.	4.5	83
5	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.	2.3	66
6	Star Formation in the Local Universe from the CALIFA Sample. II. Activation and Quenching Mechanisms in Bulges, Bars, and Disks. <i>Astrophysical Journal</i> , 2017, 848, 87.	4.5	49
7	H α -emitting galaxies and the star formation rate density at $z \leq 0.24$. <i>Astronomy and Astrophysics</i> , 2001, 379, 798-806.	5.1	48
8	Outer-disk reddening and gas-phase metallicities: The CALIFA connection. <i>Astronomy and Astrophysics</i> , 2016, 585, A47.	5.1	34
9	Atlas of astronaut photos of Earth at night. <i>Astronomy and Geophysics</i> , 2014, 55, 4.36-4.36.	0.2	28
10	STARS4ALL Night Sky Brightness Photometer. <i>International Journal of Sustainable Lighting</i> , 0, 18, 49-54.	1.9	28
11	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.	2.3	26
12	Low-resolution spectroscopy and spectral energy distributions of selected sources towards λ Ori. <i>Astronomy and Astrophysics</i> , 2008, 491, 515-523.	5.1	24
13	Learning from FITS: Limitations in use in modern astronomical research. <i>Astronomy and Computing</i> , 2015, 12, 133-145.	1.7	20
14	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.	3.1	19
15	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.	4.4	15
16	High-resolution MEGARA Integral-field Unit Spectroscopy and Structural Analysis of a Fast-rotating, Disky Bulge in NGC 7025. <i>Astrophysical Journal</i> , 2019, 871, 9.	4.5	13
17	Evolution of Brightness and Color of the Night Sky in Madrid. <i>Remote Sensing</i> , 2021, 13, 1511.	4.0	12
18	MEGARA: the future optical IFU and multi-object spectrograph for the 10.4m GTC telescope. <i>Proceedings of SPIE</i> , 2012, , .	0.8	11

#	ARTICLE	IF	CITATIONS
19	MEGARA, the new intermediate-resolution optical IFU and MOS for GTC: getting ready for the telescope. Proceedings of SPIE, 2016, , .	0.8	9
20	MEGARA: a new generation optical spectrograph for GTC. Proceedings of SPIE, 2014, , .	0.8	8
21	MEGARA, the R=6000-20000 IFU and MOS of GTC. , 2018, , .		8
22	First scientific observations with MEGARA at GTC. , 2018, , .		7
23	Spatially Resolved Analysis of Neutral Winds, Stars, and Ionized Gas Kinematics with MEGARA/GTC: New Insights on the Nearby Galaxy UGC 10205. Astrophysical Journal, 2020, 890, 5.	4.5	6
24	The Star Formation Rate Density of the Universe at $z = 0.24$ and 0.4 from $H\alpha$. Publications of the Astronomical Society of the Pacific, 2005, 117, 120-120.	3.1	5
25	EMIR at the GTC: results on the commissioning at the telescope. , 2016, , .		5
26	Stars and brown dwarfs in the ρ Orionis cluster. Astronomy and Astrophysics, 2012, 546, A59.	5.1	5
27	RGB photometric calibration of 15 million Gaia stars. Monthly Notices of the Royal Astronomical Society, 2021, 507, 318-329.	4.4	4
28	MEGARA observation preparation and Quick Look software. , 2018, , .		4
29	MIRADAS for the Gran Telescopio Canarias: system overview. Proceedings of SPIE, 2012, , .	0.8	3
30	FRIDA, the diffraction limited NIR imager and IFS for the Gran Telescopio Canarias: status report. Proceedings of SPIE, 2014, , .	0.8	3
31	Ammonia observations of the nearby molecular cloud MBM 12. Monthly Notices of the Royal Astronomical Society, 2000, 314, 743-746.	4.4	2
32	Results of the verification of the NIR MOS EMIR. Proceedings of SPIE, 2014, , .	0.8	1
33	Near-IR narrow-band imaging with CIRCE at the Gran Telescopio Canarias: Searching for Ly α -emitters at $z \approx 9.3$. Astronomy and Astrophysics, 2022, 659, A116.	5.1	1
34	The $H\alpha$ SFR of the Universe at $z = 0.24$ and $z = 0.4$. Astrophysics and Space Science, 2001, 277, 583-583.	1.4	0
35	Astronomy and astrophysics communication in the UCM Observatory. EAS Publications Series, 2005, 16, 111-114.	0.3	0
36	The $H\alpha$ -Based Evolution of Star-Forming Galaxies from $z = 0.8$ to Now. , 0, , 384-385.		0

#	ARTICLE	IF	CITATIONS
37	Current status of FRIDA: diffraction limited NIR instrument for the GTC. Proceedings of SPIE, 2012, , .	0.8	0
38	SFR bulge-to-disk ratios from the CALIFA IFS nearby galaxies survey. Proceedings of the International Astronomical Union, 2015, 11, .	0.0	0
39	Understanding biases when fitting disk truncations. Proceedings of the International Astronomical Union, 2016, 11, 303-303.	0.0	0
40	GUAIX: The UCM Group of Extragalactic Astrophysics and Astronomical Instrumentation. Thirty Years of Astronomical Discovery With UKIRT, 2009, , 169-170.	0.3	0
41	Delivery and integration of MEGARA at GTC: the risky process of going from laboratory to the telescope. , 2018, , .		0
42	Understanding Current Star Formation Processes in Galaxies at Different Redshifts. , 0, , 479-480.		0