

# Daniel Mata Sanchez

## 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.

40  
papers

487  
citations

12  
h-index

21  
g-index

44  
ext. papers

649  
ext. citations

5.6  
avg, IF

3.53  
L-index

#	Paper	IF	Citations
40	Hard-state Optical Wind during the Discovery Outburst of the Black Hole X-Ray Dipper MAXI J1803098. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 926, L10	7.9	3
39	Einstein@Home discovery of the gamma-ray millisecond pulsar PSR J20398617 confirms its predicted redback nature. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 915-934	4.3	11
38	Accretion disc cooling and narrow absorption lines in the tidal disruption event AT 2019dsg. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 792-815	4.3	9
37	Transient-optimized real-bogus classification with Bayesian convolutional neural networks lifting the GOTO candidate stream. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 503, 4838-4854	4.3	3
36	Spectroscopic Monitoring of the Candidate Tidal Disruption Event in F01004237. <i>Astrophysical Journal</i> , <b>2021</b> , 909, 159	4.7	1
35	Light-curve classification with recurrent neural networks for GOTO: dealing with imbalanced data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 4345-4361	4.3	2
34	Optical nebular emission following the most luminous outburst of Aquila X-1. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 650, A135	5.1	2
33	Dynamical confirmation of a stellar mass black hole in the transient X-ray dipping binary MAXI J1305-704. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 581-594	4.3	6
32	Optical photometry of two transitional millisecond pulsars in the radio pulsar state. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 2174-2191	4.3	2
31	Processing GOTO survey data with the Rubin Observatory LSST Science Pipelines II: Forced Photometry and lightcurves. <i>Publications of the Astronomical Society of Australia</i> , <b>2021</b> , 38,	5.5	1
30	Evidence that short-period AM CVn systems are diverse in outburst behaviour. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 4953-4962	4.3	6
29	Searching for Fermi GRB optical counterparts with the prototype Gravitational-wave Optical Transient Observer (GOTO). <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 5463-5476	4.3	1
28	Host galaxy line diagnostics for the candidate tidal disruption events XMMSL1J11527.3+180638 and PTF09axc. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 6196-6204	4.3	
27	Processing GOTO data with the Rubin Observatory LSST Science Pipelines I: Production of coadded frames. <i>Publications of the Astronomical Society of Australia</i> , <b>2021</b> , 38,	5.5	1
26	The Changing-look Optical Wind of the Flaring X-Ray Transient Swift J1858.6-0814. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 893, L19	7.9	12
25	Optical, X-ray, and $\gamma$ -ray observations of the candidate transitional millisecond pulsar 4FGL J0427.8-6704. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 3912-3926	4.3	5
24	PSR J1012+5307: a millisecond pulsar with an extremely low-mass white dwarf companion. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 4031-4042	4.3	10

23	Searching for electromagnetic counterparts to gravitational-wave merger events with the prototype Gravitational-Wave Optical Transient Observer (GOTO-4). <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 497, 726-738	4.3	41
22	Machine learning for transient recognition in difference imaging with minimum sampling effort. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 499, 6009-6017	4.3	4
21	First measurement of the total gravitational quadrupole moment of a black widow companion. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 4448-4453	4.3	1
20	A model for redistributing heat over the surface of irradiated spider companions. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 499, 1758-1768	4.3	8
19	Discovery of optical outflows and inflows in the black hole candidate GRS J1716-49. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 25-32	4.3	3
18	Hard-state Accretion Disk Winds from Black Holes: The Revealing Case of MAXI J1820+070. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 879, L4	7.9	32
17	Accretion and outflow in V404 Cyg. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 1356-1365	4.3	12
16	Black hole masses of tidal disruption event host galaxies II. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 4136-4152	4.3	48
15	Detection and Timing of Gamma-Ray Pulsations from the 707 Hz Pulsar J0952-0607. <i>Astrophysical Journal</i> , <b>2019</b> , 883, 42	4.7	12
14	The complex evolution of the X-ray binary transient MAXI J1807+132 along the decay of its discovery outburst. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 2078-2088	4.3	8
13	Bowen emission from Aquila X-1: evidence for multiple components and constraint on the accretion disc vertical structure. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 474, 4717-4722	4.3	5
12	The 1989 and 2015 outbursts of V404 Cygni: a global study of wind-related optical features. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 2646-2665	4.3	14
11	The long-term optical evolution of the black hole candidate MAXI J1659-152. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 1036-1045	4.3	4
10	Flares, wind and nebulae: the 2015 December mini-outburst of V404 Cygni. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2017</b> , 465, L124-L128	4.3	29
9	Spectroscopic classification of X-ray sources in the Galactic Bulge Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 470, 4512-4529	4.3	1
8	Swift and SALT observations of the multiple outbursts of MAXI J1957+032. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 564-569	4.3	6
7	The donor of Aquila X-1 revealed by high-angular resolution near-infrared spectroscopy. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2017</b> , 464, L41-L45	4.3	24
6	Transient X-ray Binaries in the Magellanic Clouds and Milky Way. <i>Proceedings of the International Astronomical Union</i> , <b>2017</b> , 14, 127-130	0.1	

5	Regulation of black-hole accretion by a disk wind during a violent outburst of V404 Cygni. <i>Nature</i> , <b>2016</b> , 534, 75-8	50.4	71
4	Mass constraints to Sco X-1 from Bowen fluorescence and deep near-infrared spectroscopy. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2015</b> , 449, L1-L5	4.3	18
3	Swift J1357.20933: a massive black hole in the Galactic thick disc. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 454, 2199-2204	4.3	33
2	Chemical abundances of stars with brown-dwarf companions. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 566, A83	5.1	9
1	A CAUTIONARY TALE: MARVELS BROWN DWARF CANDIDATE REVEALS ITSELF TO BE A VERY LONG PERIOD, HIGHLY ECCENTRIC SPECTROSCOPIC STELLAR BINARY. <i>Astronomical Journal</i> , <b>2013</b> , 145, 139	4.9	26