

# Andre Moitinho

## 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.

94  
papers

14,750  
citations

36  
h-index

99  
g-index

99  
ext. papers

18,692  
ext. citations

4.2  
avg, IF

5.19  
L-index

#	Paper	IF	Citations
94	3D kinematics and age distribution of the open cluster population. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 647, A19	5.1	17
93	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 649, A6	5.1	61
92	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 649, A9	5.1	19
91	Updated parameters of 1743 open clusters based on Gaia DR2. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 356-371	4.3	26
90	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 649, A8	5.1	18
89	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 649, A7	5.1	25
88	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 649, A1	5.1	776
87	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 650, C3	5.1	36
86	Hybrid semantic recommender system for chemical compounds in large-scale datasets. <i>Journal of Cheminformatics</i> , <b>2021</b> , 13, 15	8.6	0
85	Faint objects in motion: the new frontier of high precision astrometry. <i>Experimental Astronomy</i> , <b>2021</b> , 51, 845	1.3	3
84	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 637, C3	5.1	4
83	Sixteen overlooked open clusters in the fourth Galactic quadrant. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 637, A95	5.1	8
82	Hybrid Semantic Recommender System for Chemical Compounds. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 94-101	0.9	3
81	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 642, C1	5.1	5
80	Fundamental parameters for 45 open clusters with Gaia DR2, an improved extinction correction and a metallicity gradient prior. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 499, 1874-1889	4.3	19
79	Painting a portrait of the Galactic disc with its stellar clusters. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 640, A1	5.1	99
78	Gaia DR2 unravels incompleteness of nearby cluster population: new open clusters in the direction of Perseus. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 624, A126	5.1	48

77	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 623, A110	5.1	62
76	Age determination for 269 Gaia DR2 open clusters. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 623, A108	5.1	97
75	Solving the distance discrepancy for the open cluster NGC 2453. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 626, A10	5.1	3
74	Open cluster kinematics with Gaia DR2 (Corrigendum). <i>Astronomy and Astrophysics</i> , <b>2019</b> , 623, C2	5.1	3
73	Using Research Literature to Generate Datasets of Implicit Feedback for Recommending Scientific Items. <i>IEEE Access</i> , <b>2019</b> , 7, 176668-176680	3.5	3
72	Characterising open clusters in the solar neighbourhood with the Tycho-Gaia Astrometric Solution. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 615, A49	5.1	39
71	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A10	5.1	438
70	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A1	5.1	4787
69	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, E1	5.1	30
68	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A12	5.1	384
67	3D shape of Orion A from Gaia DR2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 619, A106	5.1	73
66	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 618, A30	5.1	95
65	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A17	5.1	418
64	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A11	5.1	237
63	Open cluster kinematics with Gaia DR2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 619, A155	5.1	82
62	A Gaia DR2 view of the open cluster population in the Milky Way. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 618, A93	5.1	338
61	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A13	5.1	56
60	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A14	5.1	100

59	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 599, A50	5.1	75
58	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 605, A52	5.1	4
57	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 605, A79	5.1	64
56	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 601, A19	5.1	71
55	Survey of Object-Based Data Reduction Techniques in Observational Astronomy. <i>Open Physics</i> , <b>2016</b> , 14, 579-587	1.3	2
54	TheGaiamission. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 595, A1	5.1	2933
53	GaiaData Release 1. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 595, A2	5.1	1364
52	VISION $\square$ Vienna survey in Orion. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 587, A153	5.1	45
51	Evidence of tidal distortions and mass-loss from the old open cluster NGC 6791. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 449, 1811-1818	4.3	35
50	Insights into the properties of the Local (Orion) spiral arm. NGC 2302: First results and description of the program. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 580, A4	5.1	7
49	Selection of Large-Scale 3D Point Cloud Data Using Gesture Recognition. <i>IFIP Advances in Information and Communication Technology</i> , <b>2015</b> , 188-195	0.5	7
48	The OPD photometric survey of open clusters I. Techniques, program details and first results of robust determination of the fundamental parameters. <i>New Astronomy</i> , <b>2015</b> , 38, 31-49	1.8	10
47	OCAAT: automated analysis of star cluster colour-magnitude diagrams for gauging the local distance scale. <i>Proceedings of the International Astronomical Union</i> , <b>2014</b> , 10, 298-300	0.1	
46	UPMASK: unsupervised photometric membership assignment in stellar clusters. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 561, A57	5.1	71
45	The long bar as seen by the VVV Survey. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 559, A11	5.1	10
44	High precision astrometry mission for the detection and characterization of nearby habitable planetary systems with the Nearby Earth Astrometric Telescope (NEAT). <i>Experimental Astronomy</i> , <b>2012</b> , 34, 385-413	1.3	54
43	ESPRESSO: design and analysis of a Coudé train for a stable and efficient simultaneous optical feeding from the four VLT unit telescopes <b>2012</b> ,		2
42	ESPRESSO: the ultimate rocky exoplanets hunter for the VLT <b>2012</b> ,		8

41	G0.253 + 0.016: A MOLECULAR CLOUD PROGENITOR OF AN ARCHES-LIKE CLUSTER. <i>Astrophysical Journal</i> , <b>2012</b> , 746, 117	4.7	132
40	GALExtin: A VO-Service for Estimating Galactic Interstellar Extinction. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , <b>2012</b> , 93-95	0.3	1
39	UBV(RI)Cphotometry of the open clusters Be 15, Be 80 and NGC 2192. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 401, 621-632	4.3	8
38	MK-means - Modified K-means clustering algorithm <b>2010</b> ,		1
37	ESPRESSO: the Echelle spectrograph for rocky exoplanets and stable spectroscopic observations <b>2010</b> ,		98
36	THE EDGE OF THE YOUNG GALACTIC DISK. <i>Astrophysical Journal</i> , <b>2010</b> , 718, 683-694	4.7	32
35	Open clusters in the Third Galactic Quadrant III. Alleged binary clusters. <i>Astronomy and Astrophysics</i> , <b>2010</b> , 511, A38	5.1	23
34	Uncovering the kiloparsec-scale stellar ring of NGC 5128. <i>Astronomy and Astrophysics</i> , <b>2009</b> , 502, L5-L8	5.1	12
33	Observational properties of the open cluster system of the Milky Way and what they tell us about our Galaxy. <i>Proceedings of the International Astronomical Union</i> , <b>2009</b> , 5, 106-116	0.1	2
32	Milli-arcsecond Astrophysics with VSI, the VLTI Spectro-imager in the ELT Era. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , <b>2009</b> , 343-348	0.3	
31	Stellar populations in the Canis Major overdensity. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2008</b> , 385, 1597-1604	4.3	15
30	VSI: the VLTI spectro-imager <b>2008</b> ,		4
29	Blue straggler stars in Galactic open clusters and the effect of field star contamination. <i>Astronomy and Astrophysics</i> , <b>2008</b> , 482, 777-781	5.1	15
28	Spiral Structure in the Outer Galactic Disk. I. The Third Galactic Quadrant. <i>Astrophysical Journal</i> , <b>2008</b> , 672, 930-939	4.7	70
27	Photometry of a Galactic Field at $l = 232^\circ, b = -6^\circ$ : The Old Open Cluster Auner 1, the Norma-Cygnus Spiral Arm, and the Signature of the Warped Galactic Thick Disk. <i>Astronomical Journal</i> , <b>2007</b> , 133, 1058-1066	4.9	15
26	The young star cluster NGC 2362: low-mass population and initial mass function from a Chandra X-ray observation. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 460, 133-144	5.1	14
25	Open clusters in the Third Galactic Quadrant. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 445, 493-501	5.1	10
24	The San Pedro Mair Open Cluster Survey: Progress, Techniques, Preliminary Results. <i>Proceedings of the International Astronomical Union</i> , <b>2006</b> , 2, 331-331	0.1	1

23	Spiral structure of the third galactic quadrant and the solution to the Canis Major debate. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2006</b> , 368, L77-L81	4.3	76
22	NGC 2401: a template of the young population of the Norma/Tygnus arm in the Third Galactic Quadrant*. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2006</b> , 367, 1441-1449	4.3	9
21	uvby-photometry of high-velocity and metal-poor stars. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 445, 939-958	5.1	57
20	On the difference between nuclear and contraction ages. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 453, 101-119	5.1	52
19	Detection of a Young Stellar Population in the Background of Open Clusters in the Third Galactic Quadrant. <i>Astrophysical Journal</i> , <b>2005</b> , 630, L153-L156	4.7	48
18	The intermediate-age open clusters Ruprecht 4, Ruprecht 7 and Pismis 15. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2005</b> , 360, 655-661	4.3	12
17	The intermediate-age open clusters Ruprecht 61, Czernik 32, NGC 2225 and 2262. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2005</b> , 362, 649-656	4.3	4
16	A photometric study of the old open clusters Berkeley 73, Berkeley 75 and Berkeley 25. <i>Astronomy and Astrophysics</i> , <b>2005</b> , 442, 917-924	5.1	19
15	NGC 2580 and NGC 2588. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 417, 961-972	5.1	18
14	New catalogue of optically visible open clusters and candidates. <i>EAS Publications Series</i> , <b>2003</b> , 10, 195-195	5.2	9
13	A study of 11 newly discovered and 11 poorly known open clusters in the solar vicinity. <i>EAS Publications Series</i> , <b>2003</b> , 10, 141-141	0.2	2
12	Searching for unknown open clusters in the Tycho-2 catalog. <i>Astronomy and Astrophysics</i> , <b>2003</b> , 410, 565-575	5.1	23
11	NGC 2362: The Shape of the Pre-Main-Sequence from A-Stars to Brown Dwarfs <b>2003</b> , 47-54		
10	X-ray Emission from NGC 2362 <b>2003</b> , 199-204		
9	New catalogue of optically visible open clusters and candidates. <i>Astronomy and Astrophysics</i> , <b>2002</b> , 389, 871-873	5.1	662
8	Fundamental parameters and new variables of the galactic open cluster NGC 7128. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2001</b> , 323, 872-886	4.3	4
7	Open clusters in the third galactic quadrant. <i>Astronomy and Astrophysics</i> , <b>2001</b> , 370, 436-446	5.1	37
6	NGC 2362: A Template for Early Stellar Evolution. <i>Astrophysical Journal</i> , <b>2001</b> , 563, L73-L76	4.7	48

- 5 Discovery of New Be Stars in the Galactic Open Cluster NGC7128. *International Astronomical Union Colloquium*, **2000**, 175, 67-70
- 4 Pre-Main-Sequence Stars in the Young Galactic Cluster IC 4996: A CCD Photometric Study. *Astronomical Journal*, **1998**, 116, 1801-1809 4.9 14
- 3 CCD UBV Photometry of the Young Open Cluster NGC 3766. *Astronomical Journal*, **1997**, 113, 1359 4.9 18
- 2 pyUPMASK: an improved unsupervised clustering algorithm. *Astronomy and Astrophysics*, 5.1 5
- 1 GALExtin: an alternative online tool to determine the interstellar extinction in the Milky Way. *Monthly Notices of the Royal Astronomical Society*, 4.3 5