Carme Jordi

List of Publications by Year
in descending order

142 papers	24,705 citations	31976 53 h-index	16183 124 g-index
146 all docs	146 docs citations	146 times ranked	11871 citing authors

#	Article	IF	Citations
1	Gaia Data Release 2. Astronomy and Astrophysics, 2018, 616, A1.	5.1	6,364
2	TheGaiamission. Astronomy and Astrophysics, 2016, 595, A1.	5.1	4,509
3	GaiaEarly Data Release 3. Astronomy and Astrophysics, 2021, 649, A1.	5.1	2,429
4	GaiaData Release 1. Astronomy and Astrophysics, 2016, 595, A2.	5.1	1,590
5	Gaia Data Release 2. Astronomy and Astrophysics, 2018, 616, A10.	5.1	638
6	Gaia Data Release 2. Astronomy and Astrophysics, 2018, 616, A4.	5.1	556
7	A Gaia DR2 view of the open cluster population in the Milky Way. Astronomy and Astrophysics, 2018, 618, A93.	5.1	509
8	Gaia Data Release 2. Astronomy and Astrophysics, 2018, 616, A17.	5.1	495
9	GaiaData Release 2. Astronomy and Astrophysics, 2018, 616, A12.	5.1	491
10	GaiaEarly Data Release 3. Astronomy and Astrophysics, 2021, 649, A3.	5.1	421
11	Gaiabroad band photometry. Astronomy and Astrophysics, 2010, 523, A48.	5.1	359
12	GaiaData Release 2. Astronomy and Astrophysics, 2018, 616, A11.	5.1	323
13	Painting a portrait of the Galactic disc with its stellar clusters. Astronomy and Astrophysics, 2020, 640, A1.	5.1	265
14	GaiaEarly Data Release 3. Astronomy and Astrophysics, 2021, 649, A5.	5.1	246
15	Photo-astrometric distances, extinctions, and astrophysical parameters for Gaia DR2 stars brighter than G = 18. Astronomy and Astrophysics, 2019, 628, A94.	5.1	201
16	Gaia Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A6.	5.1	175
17	Effective temperature scale and bolometric corrections from 2MASS photometry. Astronomy and Astrophysics, 2006, 450, 735-746.	5.1	169
18	Age determination for 269 Gaia DR2 open clusters. Astronomy and Astrophysics, 2019, 623, A108.	5.1	167

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19	GaiaUniverse model snapshot. Astronomy and Astrophysics, 2012, 543, A100.	5.1	159
20	ABSOLUTE PROPERTIES OF THE LOW-MASS ECLIPSING BINARY CM DRACONIS. Astrophysical Journal, 2009, 691, 1400-1411.	4.5	145
21	Gaia Data Release 2. Astronomy and Astrophysics, 2018, 616, A14.	5.1	140
22	Hunting for open clusters in Gaia DR2: 582 new open clusters in the Galactic disc. Astronomy and Astrophysics, 2020, 635, A45.	5.1	139
23	Gaia Early Data Release 3. Astronomy and Astrophysics, 2021, 650, C3.	5.1	137
24	A new method for unveiling open clusters in Gaia. Astronomy and Astrophysics, 2018, 618, A59.	5.1	136
25	THE EFFECT OF MAGNETIC ACTIVITY ON LOW-MASS STARS IN ECLIPSING BINARIES. Astrophysical Journal, 2010, 718, 502-512.	4.5	135
26	OMC: An Optical Monitoring Camera for INTEGRAL. Astronomy and Astrophysics, 2003, 411, L261-L268.	5.1	130
27	Open cluster kinematics with Gaia DR2. Astronomy and Astrophysics, 2018, 619, A155.	5.1	128
28	The effect of activity on stellar temperatures and radii. Astronomy and Astrophysics, 2008, 478, 507-512.	5.1	125
29	The mass dependence of the overshooting parameter determined from eclipsing binary data. Monthly Notices of the Royal Astronomical Society, 2000, 318, L55-L59.	4.4	124
30	Gaia Data Release 2. Astronomy and Astrophysics, 2018, 616, A3.	5.1	124
31	First Determination of the Distance and Fundamental Properties of an Eclipsing Binary in the Andromeda Galaxy. Astrophysical Journal, 2005, 635, L37-L40.	4.5	112
32	Photo-astrometric distances, extinctions, and astrophysical parameters for Gaia EDR3 stars brighter than G = 18.5. Astronomy and Astrophysics, 2022, 658, A91.	5.1	106
33	GaiaData Release 2. Astronomy and Astrophysics, 2019, 623, A110.	5.1	101
34	Hunting for open clusters in Gaia DR2: the Galactic anticentre. Astronomy and Astrophysics, 2019, 627, A35.	5.1	94
35	Gaia DR2 unravels incompleteness of nearby cluster population: new open clusters in the direction of Perseus. Astronomy and Astrophysics, 2019, 624, A126.	5.1	87
36	GaiaData Release 1. Astronomy and Astrophysics, 2016, 595, A3.	5.1	85

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37	The distance to the Andromeda galaxy from eclipsing binaries. Astronomy and Astrophysics, 2010, 509, A70.	5.1	84
38	GaiaData Release 1. Astronomy and Astrophysics, 2017, 599, A50.	5.1	84
39	Gaia Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A7.	5.1	84
40	Fish-like propulsion of an airship with planar membrane dielectric elastomer actuators. Bioinspiration and Biomimetics, 2010, 5, 026007.	2.9	79
41	GaiaData Release 2. Astronomy and Astrophysics, 2018, 616, A13.	5.1	78
42	Gaia Data Release 1. Astronomy and Astrophysics, 2017, 605, A79.	5.1	78
43	Gaia Data Release 1. Astronomy and Astrophysics, 2017, 601, A19.	5.1	77
44	Chemical composition of eclipsing binaries: a new approach to the helium-to-metal enrichment ratio. Monthly Notices of the Royal Astronomical Society, 2000, 313, 99-111.	4.4	74
45	3D kinematics and age distribution of the open cluster population. Astronomy and Astrophysics, 2021, 647, A19.	5.1	63
46	Eclipsing Binaries as Astrophysical Laboratories: Internal Structure, Core Convection, and Evolution of the Bâ€Star Components of V380 Cygni. Astrophysical Journal, 2000, 544, 409-422.	4.5	63
47	Expanding associations in the Vela-Puppis region. Astronomy and Astrophysics, 2019, 626, A17.	5.1	62
48	TheGaia-ESO Survey: Stellar content and elemental abundances in the massive cluster NGCâ€‰6705. Astronomy and Astrophysics, 2014, 569, A17.	5.1	61
49	GaiaEarly Data Release 3. Astronomy and Astrophysics, 2021, 649, A8.	5.1	60
50	GaiaData Release 1. Astronomy and Astrophysics, 2016, 595, A7.	5.1	59
51	Open clusters in APOGEE and GALAH. Astronomy and Astrophysics, 2019, 623, A80.	5.1	59
52	Characterising open clusters in the solar neighbourhood with the Tycho-Gaia Astrometric Solution. Astronomy and Astrophysics, 2018, 615, A49.	5.1	55
53	GaiaEarly Data Release 3. Astronomy and Astrophysics, 2021, 649, A9.	5.1	55
54	Modelling the photosphere of active stars for planet detection and characterization. Astronomy and Astrophysics, 2016, 586, A131.	5.1	54

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55	TheGaia-ESO Survey: open clusters inGaia-DR1. Astronomy and Astrophysics, 2018, 612, A99.	5.1	53
56	TheGaiaspectrophotometric standard stars survey - I. Preliminary results. Monthly Notices of the Royal Astronomical Society, 2012, 426, 1767-1781.	4.4	47
57	GaiaData Release 1. Astronomy and Astrophysics, 2017, 599, A32.	5.1	47
58	Internal calibration of Gaia BP/RP low-resolution spectra. Astronomy and Astrophysics, 2021, 652, A86.	5.1	47
59	The Gaia mission: science, organization and present status. Proceedings of the International Astronomical Union, 2007, 3, 217-223.	0.0	46
60	Gaiaphotometry for white dwarfs. Astronomy and Astrophysics, 2014, 565, A11.	5.1	45
61	The design and performance of the Gaia photometric system. Monthly Notices of the Royal Astronomical Society, 2006, 367, 290-314.	4.4	42
62	An all-sky proper-motion map of the Sagittarius stream usingGaiaDR2. Astronomy and Astrophysics, 2020, 635, L3.	5.1	42
63	Overview and stellar statistics of the expectedGaiaCatalogue using theGaiaObject Generator. Astronomy and Astrophysics, 2014, 566, A119.	5.1	39
64	OCCASO â€“ II. Physical parameters and Fe abundances of red clump stars in 18 open clusters. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4363-4381.	4.4	39
65	A ring in a shell: the large-scale 6D structure of the Vela OB2 complex. Astronomy and Astrophysics, 2019, 621, A115.	5.1	39
66	The OCCASO survey: presentation and radial velocities of 12 Milky Way open clusters. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3150-3167.	4.4	38
67	Extended halo of NGC 2682 (M 67) from Gaia DR2. Astronomy and Astrophysics, 2019, 627, A119.	5.1	37
68	Eclipsing binaries suitable for distance determination inÂtheÂAndromedaÂgalaxy. Astronomy and Astrophysics, 2006, 459, 321-331.	5.1	37
69	Abundanceâ€“age relations with red clump stars in open clusters. Astronomy and Astrophysics, 2021, 652, A25.	5.1	34
70	Milky Way spiral arms from open clusters in Gaia EDR3. Astronomy and Astrophysics, 2021, 652, A162.	5.1	33
71	A comprehensive study of Cepheid variables in the Andromeda galaxy. Astronomy and Astrophysics, 2007, 473, 847-855.	5.1	33
72	OCCASO â€“ III. Iron peak and Î± elements of 18 open clusters. Comparison with chemical evolution models and field stars. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1821-1842.	4.4	29

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73	Fluctuations in the Earth's rotation since 1830 from high-resolution astronomical data. Geophysical Journal International, 1994, 117, 811-818.	2.4	28
74	New membership determination and proper motions of NGCÂ1817. Parametric and non-parametric approach. Astronomy and Astrophysics, 2004, 426, 819-826.	5.1	28
75	Scaling of planar dielectric elastomer actuators in an agonist-antagonist configuration. Sensors and Actuators A: Physical, 2010, 161, 182-190.	4.1	28
76	Secondary ${oldmath UBVRI}$-CCD standard stars in the neighbourhood of Landolt standard stars. Astronomy and Astrophysics, 2000, 146, 169-177.	2.1	28
77	Determination of proper motions and membership of the open star cluster NGCÂ2548. Astronomy and Astrophysics, 2002, 381, 464-471.	5.1	25
78	uvby â€“ H$mathsf{_{eta}}$ CCD photometry and membership segregation of the open cluster NGCÂ2682 (MÂ67). Astronomy and Astrophysics, 2007, 470, 585-596.	5.1	24
79	Performance evaluation of cutting-edge dielectric elastomers for large-scale actuator applications. Smart Materials and Structures, 2011, 20, 075003.	3.5	24
80	TheGaiaspectrophotometric standard stars survey â€“ III. Short-term variability monitoring. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3616-3627.	4.4	24
81	GaiaData Release 1. Astronomy and Astrophysics, 2017, 600, A51.	5.1	21
82	CD Tau: a detached eclipsing binary with a solar-mass companion. Monthly Notices of the Royal Astronomical Society, 1999, 309, 199-207.	4.4	20
83	Optimizing exoplanet transit searches around low-mass stars with inclination constraints. Astronomy and Astrophysics, 2012, 537, A147.	5.1	20
84	The Gaia spectrophotometric standard stars survey: II. Instrumental effects of six groundâ€based observing campaigns. Astronomische Nachrichten, 2015, 336, 515-529.	1.2	19
85	Observation of SN2011fe with INTEGRAL. Astronomy and Astrophysics, 2013, 552, A97.	5.1	19
86	The star cluster age function in the Galactic disc with Gaia DR2. Astronomy and Astrophysics, 2021, 645, L2.	5.1	19
87	The Gaia-ESO Survey: Target selection of open cluster stars. Astronomy and Astrophysics, 2022, 659, A200.	5.1	19
88	NGC 6705 a young Î±-enhanced open cluster from OCCASO data. Astronomy and Astrophysics, 2018, 610, A66.	5.1	18
89	Faint objects in motion: the new frontier of high precision astrometry. Experimental Astronomy, 2021, 51, 845-886.	3.7	17
90	Optical flares from the faint midâ€dM star 2MASS J00453912+4140395. Astronomische Nachrichten, 2007, 328, 904-908.	1.2	15

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91	Clusterix 2.0: a virtual observatory tool to estimate cluster membership probability. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5811-5843.	4.4	14
92	CP2 stars as viewed by the $uvby ,H_{eta}$ system. Astronomy and Astrophysics, 1998, 128, 265-275.	2.1	14
93	A program to determine a direct and accurate distance to M31 from eclipsing binaries. New Astronomy Reviews, 2004, 48, 755-758.	12.8	13
94	All-sky visible and near infrared space astrometry. Experimental Astronomy, 2021, 51, 783-843.	3.7	13
95	uvbyâ€‰â€“â€‰H$_{eta}$ CCD photometry and membership segregation ofÂtheÂopenÂcluster NGCÂ2548; gaps in the Main Sequence ofÂopenÂclusters. Astronomy and Astrophysics, 2005, 437, 457-466.	5.1	12
96	The Gaia spectrophotometric standard stars survey â€“ V. Preliminary flux tables for the calibration of Gaia DR2 and (E)DR3. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3660-3676.	4.4	12
97	uvbyâ€“H$_{eta}$ CCD photometry of NGCÂ1817 and NGCÂ1807. Astronomy and Astrophysics, 2004, 426, 827-834.	5.1	12
98	The Gaia spectrophotometric standard stars survey â€“ IV. Results of the absolute photometry campaign. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2848-2861.	4.4	11
99	Corrections to the FK5 reference frame. Monthly Notices of the Royal Astronomical Society, 1987, 225, 723-730.	4.4	10
100	An analysis of the currently available calibrations in StrÃ¶mgren photometry by using open clusters. Astronomy and Astrophysics, 1997, 123, 83-92.	2.1	10
101	Photospheric activity, rotation, and magnetic interaction in LHS 6343 A. Astronomy and Astrophysics, 2013, 553, A66.	5.1	9
102	Passband reconstruction from photometry. Astronomy and Astrophysics, 2018, 615, A24.	5.1	9
103	Open cluster kinematics with Gaia DR2â€†(Corrigendum). Astronomy and Astrophysics, 2019, 623, C2.	5.1	9
104	The open cluster King 1 in the second quadrant. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4285-4297.	4.4	8
105	The Input Catalogue for the OMC camera onboard INTEGRAL. Astronomy and Astrophysics, 2003, 411, L281-L289.	5.1	8
106	Radial velocities and metallicities from infrared Caâ€‰ii triplet spectroscopy of open clusters. Astronomy and Astrophysics, 2015, 578, A27.	5.1	7
107	Doppler-beaming in theKeplerlight curve of LHS 6343 A. Astronomy and Astrophysics, 2014, 563, A104.	5.1	6
108	Gaia on-board metrology: basic angle and best focus. Proceedings of SPIE, 2014, , .	0.8	6

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109	Spectrophotometric calibration of low-resolution spectra. Astronomy and Astrophysics, 2020, 637, A85.	5.1	6
110	Gaia Data Release 2. Astronomy and Astrophysics, 2020, 642, C1.	5.1	6
111	One Star to Tag Them All (OSTTA). Astronomy and Astrophysics, 2022, 663, A148.	5.1	6
112	The young open cluster NGC 7067 using StrÃ¶mgren photometry. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3636-3647.	4.4	5
113	OCCASO IV. Radial velocities and open cluster kinematics. Astronomy and Astrophysics, 0, , .	5.1	5
114	Gaia Data Release 2. Astronomy and Astrophysics, 2020, 637, C3.	5.1	4
115	The overlapping open clusters NGCÂ1750 and NGCÂ1758. Astronomy and Astrophysics, 1998, 131, 239-258.	2.1	4
116	NGC 1605 is not a Binary Cluster. Research Notes of the AAS, 2022, 6, 58.	0.7	3
117	Astrometry and Photometry of Open Clusters: NGC 1746, NGC 1750 and NGC 1758. Astrophysics and Space Science, 1998, 263, 307-310.	1.4	2
118	Gaia photometry: methods, performances and problems. EAS Publications Series, 2010, 45, 149-154.	0.3	2
119	Correcting EChO data for stellar activity by direct scaling of activity signals. Experimental Astronomy, 2015, 40, 695-710.	3.7	2
120	Metal Abundance of the Eclipsing Binary YZ Cas. Astrophysics and Space Science Library, 2001, , 575-576.	2.7	2
121	Corrections to Watts' datum from photoelectric occultations. The Moon and the Planets, 1982, 27, 131-134.	0.5	1
122	Corrections to Watts' charts varying with libration. Astrophysics and Space Science, 1991, 177, 331-338.	1.4	1
123	Gaia Data Release 1 (Corrigendum). Astronomy and Astrophysics, 2017, 601, C1.	5.1	1
124	Passband reconstruction from photometry. Proceedings of the International Astronomical Union, 2018, 14, 472-479.	0.0	1
125	Spectrophotometry with Gaia. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 147-154.	0.3	1
126	The Existence of Moving Groups and the Disk Heating Problem. , 1996, , 513-514.		1

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127	Strï¿½mgren photometry of a-stars: A test of physical parameter determination. Astrophysics and Space Science, 1990, 170, 251-255.	1.4	0
128	Fluctuations of the Earth's Rotation by Stellar Occultations. Symposium - International Astronomical Union, 1990, 141, 203-204.	0.1	0
129	GAIA: Fundamental Parameters from the Space. Astrophysics and Space Science, 1998, 263, 315-318.	1.4	0
130	Robotic design of the Montsec Astronomical Observatory. Astronomische Nachrichten, 2004, 325, 658-658.	1.2	0
131	First Results from ROTES: The ROtse Telescope Eclipsing-binary Survey. Astrophysics and Space Science, 2006, 304, 231-233.	1.4	0
132	A Roadmap for Delivering the Promise of Gaia. Proceedings of the International Astronomical Union, 2008, 4, 483-486.	0.0	0
133	Fundamental properties of low-mass stars in eclipsing binary systems. EAS Publications Series, 2013, 64, 103-110.	0.3	0
134	Characterisation of the Gaia photometry. EAS Publications Series, 2014, 67-68, 359-359.	0.3	0
135	Gaia and the Planetary Nebulae. Proceedings of the International Astronomical Union, 2016, 12, 305-308.	0.0	0
136	Gaia Photometric Data: DR1 results and DR2 expectations. Proceedings of the International Astronomical Union, 2017, 12, 30-34.	0.0	0
137	Chemical and dynamical analysis of Open Clusters from OCCASO data. The case of NGC 6705. Proceedings of the International Astronomical Union, 2017, 13, 124-127.	0.0	0
138	Low-Mass Stars as Tests for Stellar Models. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 431-431.	0.3	0
139	Spectroscopy of Pre-CV Candidates in the Open Cluster M 67. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 373-373.	0.3	0
140	Calibration Model for Gaia Photometry and Spectrophotometry. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 385-385.	0.3	0
141	Effects of Shutter Timing on CCD Photometry. , 1995, , 327-327.		0
142	Gaia: A Major Step in the Knowledge of Our Galaxy. , 0, , 255-262.		0