

# Claire L Davies

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

546  
citations

623734

14  
h-index

677142

22  
g-index

27  
all docs

27  
docs citations

27  
times ranked

861  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scattering and sublimation: a multiscale view of $\hat{\mu}$ m-sized dust in the inclined disc of HD145718. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2434-2452.	4.4	2
2	Interferometric Detections of sdO Companions Orbiting Three Classical Be Stars. <i>Astrophysical Journal</i> , 2022, 926, 213.	4.5	19
3	EXPRES. III. Revealing the Stellar Activity Radial Velocity Signature of $\hat{\mu}$ Eridani with Photometry and Interferometry. <i>Astronomical Journal</i> , 2022, 163, 19.	4.7	10
4	The Interferometric Binary $\hat{\mu}$ Cnc in Praesepe: Precise Masses and Age. <i>Astronomical Journal</i> , 2022, 164, 34.	4.7	3
5	Viscous heating in the disk of the outbursting star FU Orionis. <i>Astronomy and Astrophysics</i> , 2021, 646, A102.	5.1	13
6	The First Dynamical Mass Determination of a Nitrogen-rich Wolf-Rayet Star Using a Combined Visual and Spectroscopic Orbit. <i>Astrophysical Journal Letters</i> , 2021, 908, L3.	8.3	8
7	The orbit and stellar masses of the archetype colliding-wind binary WR140. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 5221-5230.	4.4	19
8	Investigating the Relative Gas and Small Dust Grain Surface Heights in Protoplanetary Disks. <i>Astrophysical Journal</i> , 2021, 913, 138.	4.5	21
9	SEDBYS: A python-based SED Builder for Young Stars. <i>SoftwareX</i> , 2021, 14, 100687.	2.6	4
10	$\hat{1}/2$ Gem: A Hierarchical Triple System with an Outer Be Star. <i>Astrophysical Journal</i> , 2021, 916, 24.	4.5	11
11	ARMADA. I. Triple Companions Detected in B-type Binaries $\hat{1}\pm$ Del and $\hat{1}/2$ Gem. <i>Astronomical Journal</i> , 2021, 161, 40.	4.7	10
12	A triple-star system with a misaligned and warped circumstellar disk shaped by disk tearing. <i>Science</i> , 2020, 369, 1233-1238.	12.6	63
13	Spin-Orbit Alignment of the $\hat{1}^2$ Pictoris Planetary System. <i>Astrophysical Journal Letters</i> , 2020, 897, L8.	8.3	19
14	MIRC-X: A Highly Sensitive Six-telescope Interferometric Imager at the CHARA Array. <i>Astronomical Journal</i> , 2020, 160, 158.	4.7	44
15	The Inner Disk of RY Tau: Evidence of Stellar Occultation by the Disk Atmosphere at the Sublimation Rim from K-band Continuum Interferometry. <i>Astrophysical Journal</i> , 2020, 897, 31.	4.5	13
16	The REASONS Survey: Resolved Millimeter Observations of a Large Debris Disk around the Nearby F Star HD 170773. <i>Astrophysical Journal</i> , 2019, 881, 84.	4.5	15
17	Compact gaseous accretion disk in Keplerian rotation around MWC 147. <i>Astronomy and Astrophysics</i> , 2019, 623, A38.	5.1	7
18	Star-disc (mis-)alignment in Rho Oph and Upper Sco: insights from spatially resolved disc systems with K2 rotation periods. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 1926-1935.	4.4	19

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19	Dusty disk winds at the sublimation rim of the highly inclined, low mass young stellar object SU Aurigae. <i>Astronomy and Astrophysics</i> , 2019, 627, A36.	5.1	17
20	A Multi-instrument and Multi-wavelength High Angular Resolution Study of MWC 614: Quantum Heated Particles Inside the Disk Cavity*. <i>Astrophysical Journal</i> , 2018, 855, 44.	4.5	21
21	Probing the Inner Disk Emission of the Herbig Ae Stars HD 163296 and HD 190073. <i>Astrophysical Journal</i> , 2018, 869, 164.	4.5	21
22	Simultaneous Spectral Energy Distribution and Near-infrared Interferometry Modeling of HD 142666. <i>Astrophysical Journal</i> , 2018, 866, 23.	4.5	15
23	Probing the origin of UX Ori-type variability in the YSO binary CO Ori with VLT/GRAVITY. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 5406-5412.	4.4	10
24	SONS: The JCMT legacy survey of debris discs in the submillimetre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 3606-3663.	4.4	106
25	The influence of radiative core growth on coronal X-ray emission from pre-main-sequence stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 3836-3858.	4.4	21
26	Accretion discs as regulators of stellar angular momentum evolution in the ONC and Taurus's Auriga. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 1157-1176.	4.4	34
27	Angular momentum evolution during star and planetary system formation. <i>Proceedings of the International Astronomical Union</i> , 2013, 8, 210-211.	0.0	1