Timothy Harries

List of Publications by Year
in descending order

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48 papers	2,041 citations	279798 23 h-index	233421 45 g-index
48 all docs	48 docs citations	48 times ranked	1805 citing authors

#	Article	IF	Citations
1	The ancient heritage of water ice in the solar system. Science, 2014, 345, 1590-1593.	12.6	229
2	On the formation of HÂ line emission around classical T Tauri stars. Monthly Notices of the Royal Astronomical Society, 2006, 370, 580-596.	4.4	163
3	Synthetic line profiles of rotationally distorted hot-star winds. Monthly Notices of the Royal Astronomical Society, 2000, 315, 722-734.	4.4	159
4	Ten eclipsing binaries in the Small Magellanic Cloud: fundamental parameters and Cloud distance. Monthly Notices of the Royal Astronomical Society, 2003, 339, 157-172.	4.4	153
5	Probing the circumstellar structure of Herbig Ae/Be stars. Monthly Notices of the Royal Astronomical Society, 2002, 337, 356-368.	4.4	120
6	Three-dimensional dust radiative-transfer models: the Pinwheel Nebula of WR 104. Monthly Notices of the Royal Astronomical Society, 2004, 350, 565-574.	4.4	84
7	Probing the circumstellar structures of T Tauri stars and their relationship to those of Herbig stars. Monthly Notices of the Royal Astronomical Society, 2005, 359, 1049-1064.	4.4	81
8	Radiation hydrodynamics of triggered star formation: the effect of the diffuse radiation field. Monthly Notices of the Royal Astronomical Society, 2012, 420, 562-578.	4.4	73
9	Polarized Disk Emission from Herbig Ae/Be Stars Observed Using Gemini Planet Imager: HD 144432, HD 150193, HD 163296, and HD 169142. Astrophysical Journal, 2017, 838, 20.	4.5	66
10	Dust-trapping Vortices and a Potentially Planet-triggered Spiral Wake in the Pre-transitional Disk of V1247 Orionis. Astrophysical Journal Letters, 2017, 848, L11.	8.3	64
11	A triple-star system with a misaligned and warped circumstellar disk shaped by disk tearing. Science, 2020, 369, 1233-1238.	12.6	63
12	Synthetic infrared images and spectral energy distributions of a young low-mass stellar cluster. Monthly Notices of the Royal Astronomical Society, 2004, 351, 1134-1150.	4.4	61
13	G11.92â€“0.61 MM 1: A Fragmented Keplerian Disk Surrounding a Proto-O Star. Astrophysical Journal Letters, 2018, 869, L24.	8.3	61
14	Directly observing continuum emission from self-gravitating spiral waves. Monthly Notices of the Royal Astronomical Society, 2016, 458, 306-318.	4.4	52
15	Radiation-hydrodynamical simulations of massive star formation using Monte Carlo radiative transfer â€“ I. Algorithms and numerical methods. Monthly Notices of the Royal Astronomical Society, 2015, 448, 3156-3166.	4.4	47
16	Multiple Spiral Arms in the Disk around Intermediate-mass Binary HD 34700A. Astrophysical Journal, 2019, 872, 122.	4.5	46
17	EXPLORING THE ORIGINS OF DEUTERIUM ENRICHMENTS IN SOLAR NEBULAR ORGANICS. Astrophysical Journal, 2016, 819, 13.	4.5	43
18	An algorithm for Monte Carlo time-dependent radiation transfer. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1500-1508.	4.4	34

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19	Three-dimensional molecular line transfer: a simulated star-forming region. Monthly Notices of the Royal Astronomical Society, 2010, 407, 986-1002.	4.4	33
20	A High-mass Protobinary System with Spatially Resolved Circumstellar Accretion Disks and Circumbinary Disk*. Astrophysical Journal Letters, 2017, 835, L5.	8.3	33
21	Radiation-hydrodynamical simulations of massive star formation using Monte Carlo radiative transfer â€“ II. The formation of a 25 solar-mass star. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4111-4120.	4.4	31
22	Modelling massive star feedback with Monte Carlo radiation hydrodynamics: photoionization and radiation pressure in a turbulent cloud. Monthly Notices of the Royal Astronomical Society, 2018, 477, 5422-5436.	4.4	27
23	Massive star feedback in clusters: variation of the FUV interstellar radiation field in time and space. Monthly Notices of the Royal Astronomical Society, 2019, 487, 4890-4900.	4.4	26
24	The Temporal Requirements of Directly Observing Self-gravitating Spiral Waves in Protoplanetary Disks with ALMA. Astrophysical Journal, 2019, 871, 228.	4.5	24
25	A Multi-instrument and Multi-wavelength High Angular Resolution Study of MWC 614: Quantum Heated Particles Inside the Disk Cavity*. Astrophysical Journal, 2018, 855, 44.	4.5	21
26	Irregular Dust Features around Intermediate-mass Young Stars with GPI: Signs of Youth or Misaligned Disks?. Astrophysical Journal, 2020, 888, 7.	4.5	21
27	Investigating the Relative Gas and Small Dust Grain Surface Heights in Protoplanetary Disks. Astrophysical Journal, 2021, 913, 138.	4.5	21
28	Modelling circumstellar discs with three-dimensional radiation hydrodynamics. Monthly Notices of the Royal Astronomical Society, 2010, 403, 1143-1155.	4.4	20
29	Testing diagnostics of triggered star formation. Monthly Notices of the Royal Astronomical Society, 2012, 426, 203-217.	4.4	18
30	Evidence for high accretion rates in weak-line T Tauri stars?. Monthly Notices of the Royal Astronomical Society, 2004, 347, 937-941.	4.4	17
31	Dusty disk winds at the sublimation rim of the highly inclined, low mass young stellar object SU Aurigae. Astronomy and Astrophysics, 2019, 627, A36.	5.1	17
32	Linking Signatures of Accretion with Magnetic Field Measurementsâ€“Line Profiles are not Significantly Different in Magnetic and Non-magnetic Herbig Ae/Be Stars. Astrophysical Journal, 2018, 852, 5.	4.5	16
33	Simultaneous Spectral Energy Distribution and Near-infrared Interferometry Modeling of HD 142666. Astrophysical Journal, 2018, 866, 23.	4.5	15
34	Monte Carlo Simulations of Heat Deposition During Photothermal Skin Cancer Therapy Using Nanoparticles. Biomolecules, 2019, 9, 343.	4.0	13
35	The Inner Disk of RY Tau: Evidence of Stellar Occultation by the Disk Atmosphere at the Sublimation Rim from K-band Continuum Interferometry. Astrophysical Journal, 2020, 897, 31.	4.5	13
36	On the properties of discs around accreting brown dwarfs. Monthly Notices of the Royal Astronomical Society, 2010, 409, 1307-1329.	4.4	11

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37	The observational impact of dust trapping in self-gravitating discs. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4256-4271.	4.4	11
38	Bayesian fitting of Taurus brown dwarf spectral energy distributions. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1775-1804.	4.4	10
39	High-cadence, High-resolution Spectroscopic Observations of Herbig Stars HD 98922 and V1295 Aquila. Astrophysical Journal, 2017, 848, 18.	4.5	10
40	What can the SEDs of first hydrostatic core candidates reveal about their nature?. Monthly Notices of the Royal Astronomical Society, 2018, 474, 800-823.	4.4	9
41	Synthetic molecular line observations of the first hydrostatic core from chemical calculations. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2853-2873.	4.4	7
42	A Dust Trap in the Young Multiple System HD 34700. Astrophysical Journal, 2020, 905, 120.	4.5	5
43	Halpha spectropolarimetry of the Herbig Ae star AB Aurigae. Monthly Notices of the Royal Astronomical Society, 2000, 319, L19-L23.	4.4	4
44	An experimental and numerical modelling investigation of the optical properties of Intralipid using deep Raman spectroscopy. Analyst, The, 2021, 146, 7601-7610.	3.5	3
45	Discovery of a 500 au Protobinary in the Massive Prestellar Core G11.92â€“0.61 MM2. Astrophysical Journal Letters, 2022, 931, L31.	8.3	3
46	Scattering and sublimation: a multiscale view of Âµm-sized dust in the inclined disc of HDÂ145718. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2434-2452.	4.4	2
47	Eclipsing Spectroscopic Binaries in the SMC. Highlights of Astronomy, 2005, 13, 455-455.	0.0	1
48	Radiative-transfer modelling of funnel flows. Proceedings of the International Astronomical Union, 2007, 3, 83-94.	0.0	0