David M Acreman

List of Publications by Year
in descending order

25	917	567281 15	610901 24
papers	citations	h-index	g-index

25	25	25	1010
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Accuracy tests of radiation schemes used in hot Jupiter global circulation models. Astronomy and Astrophysics, 2014, 564, A59.	5.1	126
2	The unified model, a fully-compressible, non-hydrostatic, deep atmosphere global circulation model, applied to hot Jupiters. Astronomy and Astrophysics, 2014, 561, A1.	5.1	124
3	Exploring the climate of Proxima B with the Met Office Unified Model. Astronomy and Astrophysics, 2017, 601, A120.	5.1	92
4	The UK Met Office global circulation model with a sophisticated radiation scheme applied to the hot Jupiter HD 209458b. Astronomy and Astrophysics, 2016, 595, A36.	5.1	88
5	Galaxies in clusters: the observational characteristics of bow shocks, wakes and tails. Monthly Notices of the Royal Astronomical Society, 1999, 310, 663-676.	4.4	64
6	The morphology of the Milky Way â€“ I. Reconstructing CO maps from simulations in fixed potentials. Monthly Notices of the Royal Astronomical Society, 2014, 444, 919-941.	4.4	54
7	Results from a set of three-dimensional numerical experiments of a hot Jupiter atmosphere. Astronomy and Astrophysics, 2017, 604, A79.	5.1	53
8	Simulations of the effects of stripping and accretion on galaxy haloes in clusters. Monthly Notices of the Royal Astronomical Society, 2003, 341, 1333-1348.	4.4	50
9	The morphology of the Milky Way â€“ II. Reconstructing CO maps from disc galaxies with live stellar distributions. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3911-3926.	4.4	42
10	The Influence of a Substellar Continent on the Climate of a Tidally Locked Exoplanet. Astrophysical Journal, 2018, 854, 171.	4.5	42
11	Three-dimensional molecular line transfer: a simulated star-forming region. Monthly Notices of the Royal Astronomical Society, 2010, 407, 986-1002.	4.4	33
12	Modelling circumstellar discs with three-dimensional radiation hydrodynamics. Monthly Notices of the Royal Astronomical Society, 2010, 403, 1143-1155.	4.4	20
13	Testing diagnostics of triggered star formation. Monthly Notices of the Royal Astronomical Society, 2012, 426, 203-217.	4.4	18
14	Assessing molecular line diagnostics of triggered star formation using synthetic observations. Monthly Notices of the Royal Astronomical Society, 2013, 431, 3470-3484.	4.4	17
15	Modelling multiwavelength observational characteristics of bow shocks from runaway early-type stars. Monthly Notices of the Royal Astronomical Society, 2016, 456, 136-145.	4.4	16
16	A synthetic 21-cm Galactic Plane Survey of a smoothed particle hydrodynamics galaxy simulation. Monthly Notices of the Royal Astronomical Society, 2010, 407, 405-414.	4.4	15
17	Simultaneous Spectral Energy Distribution and Near-infrared Interferometry Modeling of HD 142666. Astrophysical Journal, 2018, 866, 23.	4.5	15
18	The structure of Hâ€ƒi in galactic discs: simulations versus observations. Monthly Notices of the Royal Astronomical Society, 2012, 422, 241-251.	4.4	13

#	Article	IF	Citations
19	Bayesian fitting of Taurus brown dwarf spectral energy distributions. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1775-1804.	4.4	10
20	High-cadence, High-resolution Spectroscopic Observations of Herbig Stars HD 98922 and V1295 Aquila. Astrophysical Journal, 2017, 848, 18.	4.5	10
21	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
22	Radiation Hydrodynamics Simulations of Massive Star Formation Using Monte Carlo Radiation Transfer. Thirty Years of Astronomical Discovery With UKIRT, 2014, , 395-399.	0.3	4
23	Synthetic Hâ€ƒi observations of a simulated spiral galaxy. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	4.4	3
24	Using synthetic emission maps to constrain the structure of the Milky Way. Proceedings of the International Astronomical Union, 2013, 9, 246-252.	0.0	1
25	Testing Models of Triggered Star Formation: Theory and Observation. Thirty Years of Astronomical Discovery With UKIRT, 2014, , 213-214.	0.3	0