

David V. Martin

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Publications

37 peer reviewed papers h-index = 16

14 first author papers h-index = 10

7 papers with supervised students highlighted in red · 4 with student first author

1 textbook review chapter

700+ citations 100+ max citations

All papers listed are published, accepted or under review (none are “in prep”)

SUPERVISED STUDENT FIRST AUTHOR (4 TOTAL)

The EBLM project X - Benchmark masses, radii and temperatures for twofully convective M-dwarfs using K2

MNRAS (under review, arXiv)

DUCK, A · MARTIN, D V · GILL, S · ARMITAGE, T · RODRÍGUEZ MARTÍNEZ, R · ET AL.

2022

Spectroscopy of TOI-1259 - an unpolluted white dwarf companion to a transiting inflated warm Saturn

MNRAS

FITZMAURICE, E · MARTIN, D V · RODRÍGUEZ MARTÍNEZ, R · VALLELY, P · STEPHAN, A · BOLEY, K · ET AL.

2022

Sculpting the circumbinary planet size distribution through resonant interactions with companion planets

MNRAS

FITZMAURICE, E · MARTIN, D V · FABRYCKY, D

2022

The EBLM project. VII - Spin-orbit alignment for the circumbinary planet host EBLM J0608-59/TOI-1338

MNRAS

HODŽIĆ KUNOVAC, V · TRIAUD, A · MARTIN, D V · ET AL.

2020

FIRST AUTHOR (14 TOTAL)

Revised Temperatures for Two Benchmark M-dwarfs - Outliers No More

MNRAS (under review, arXiv)

MARTIN, D V · ARMITAGE, T · DUCK, A · SWAYNE, M · RODRÍGUEZ MARTÍNEZ, R · SETHI, R · ET AL.

2022

Running the Gauntlet - Survival of Small Circumbinary Planets Migrating Through Destabilising Resonances

MNRAS

MARTIN, D V · FITZMAURICE, E

2022

TOI-1259AB - a gas giant with 2.6% deep transits and a bound white dwarf companion

MNRAS

MARTIN, D V · EL-BADRY, K · KUNOVAC HODŽIĆ, V · ET AL.

2021

Searching for Small Circumbinary Planets I. The STANLEY Automated Algorithm and No New Planets in Existing Systems

AJ

MARTIN, D V · FABRYCKY, D

2021

The BEBOP radial-velocity survey for circumbinary planets I. Eight years of CORALIE observations of 47 single-lined eclipsing binaries and abundance constraints on the masses of circumbinary planets *A&A*
MARTIN, D V · ET AL. 2019

Transit Phenomena of Inclined Exomoons - Hide and Seek and an Application to Kepler-1625 *MNRAS*
MARTIN, D V · FABRYCKY, D · MONTET, B 2019

The binary mass ratios of circumbinary planet hosts *MNRAS*
MARTIN, D V 2019

Populations of planets in multiple star systems *Handbook of Exoplanets*
MARTIN, D V 2018

Transit probability of precessing circumstellar planets in binaries and exomoons *MNRAS*
MARTIN, D V 2017

Circumbinary planets - II. When transits come and go *MNRAS*
MARTIN, D V 2017

Kozai-Lidov cycles towards the limit of circumbinary planets *MNRAS*
MARTIN, D V · TRIAUD, A 2016

No circumbinary planets transiting the tightest Kepler binaries - a possible fingerprint of a third star *MNRAS*
MARTIN, D V · MAZEH, T · FABRYCKY, D 2015

Circumbinary planets - why they are so likely to transit *MNRAS*
MARTIN, D V · TRIAUD, A 2015

Planets transiting non-eclipsing binaries *A&A*
MARTIN, D V · TRIAUD, A 2014

FURTHER PUBLICATIONS (19 TOTAL)

The First Circumbinary Planet Discovered With Radial Velocities *Nature Astronomy (under review)*
STANDING, M · SAIRAM, L · MARTIN, D V · ET AL. 2022

The EBLM Project IX. Five fully convective M-dwarfs, precisely measured with CHEOPS and TESS light curves *MNRAS*
SEBASTIAN, D · ET AL. (INCL MARTIN, D V) 2022

The Giraffe: Discovery of a stripped red giant in an interacting binary with a 2 Msun lower giant *MNRAS*
JAYASINGHE, T · ET AL. (INCL MARTIN, D V) 2022

BEBOP III. Observations and an independent mass measurement of Kepler-16 (AB) b - the first circumbinary planet detected in radial velocities *MNRAS*
TRIAUD, A · STANDING, M · HEIDARI, N · MARTIN, D V 2022

BEBOP II. Sensitivity to sub-Saturn circumbinary planets using radial velocities *MNRAS*
 STANDING, M · TRIAUD, A · FARIA, J · MARTIN, D V 2022

TIC 172900988: A Transiting Circumbinary Planet Detected in One Sector of TESS Data *AJ*
 KOSTOV, V · ET AL. (INCL MARTIN, D V) 2021

The EBLM Project VIII. First results for M-dwarf mass, radius and effective temperature measurements using CHEOPS light curves *AJ*
 SWAYNE, M · ET AL. (INCL MARTIN, D V) 2021

A unicorn in the Monoceros: the 3 Msun dark companion to the bright, nearby red giant V723 is a non-interacting, mass-gap black hole candidate *AJ*
 JAYASINGHE, T · ET AL. (INCL MARTIN, D V) 2021

Multiple Transits during a Single Conjunction: Identifying Transiting Circumbinary Planetary Candidates from TESS *AJ*
 KOSTOV, V · ET AL. (INCL MARTIN, D V) 2021

TOI-1338: TESS' First Transiting Circumbinary Planets *AJ*
 KOSTOV, V · ET AL. (INCL MARTIN, D V) 2020

The EBLM Project. VI. Mass and radius of five low-mass stars in F+M binaries discovered by the WASP survey *A&A*
 GILL, S · ET AL. (INCL MARTIN, D V) 2019

The EBLM Project. V. Physical properties of ten fully convective, very-low-mass stars *A&A*
 VON BOETTICHER, A · ET AL. (INCL MARTIN, D V) 2019

The CORALIE survey for southern extrasolar planets. XVIII. 3 new massive planets and two low-mass brown dwarfs at greater than 5 AU separation *A&A*
 RICKMAN, E · ET AL. (INCL MARTIN, D V) 2019

The EBLM Project. IV. Spectroscopic orbits of over 100 eclipsing M dwarfs masquerading as transiting hot Jupiters *A&A*
 TRIAUD, A · MARTIN, D V · ET AL. 2017

The EBLM Project. III A Saturn-size low-mass star at the hydrogen-burning limit *A&A*
 VON BOETTICHER, A · ET AL. (INCL MARTIN, D V) 2017

Gaia's potential for the discovery of circumbinary planets *MNRAS*
 SAHLMANN, J · TRIAUD, A · MARTIN, D V 2015

On the abundance of circumbinary planets *MNRAS*
 ARMSTRONG, D · OSBORN, H · BROWN, D · FAEDI, F · GÓMEZ MAQUEO CHEW, Y · MARTIN, D V · ET AL. 2014

Placing limits on the transit timing variations of circumbinary exoplanets *MNRAS*
 ARMSTRONG, D · MARTIN, D V · ET AL. 2014

Towards Optimal Colimator Design for the PEDRO Hybrid Imager *IEEE Transactions on Nuclear Science*
 NGUYEN, C · GILLAM, J · BROWN, J · MARTIN, D V · ET AL. 2011