

# Thomas M Esposito

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,690  
citations

331670

21  
h-index

315739

38  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1431  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | The TESS-Keck Survey. VIII. Confirmation of a Transiting Giant Planet on an Eccentric 261 Day Orbit with the Automated Planet Finder Telescope*. <i>Astronomical Journal</i> , 2022, 163, 61. | 4.7 | 19        |
| 2  | The Aligned Orbit of WASP-148b, the Only Known Hot Jupiter with a nearby Warm Jupiter Companion, from NEID and HIRES. <i>Astrophysical Journal Letters</i> , 2022, 926, L8.                   | 8.3 | 23        |
| 3  | A Multiwavelength Study of the Highly Asymmetrical Debris Disk around HD 111520. <i>Astrophysical Journal</i> , 2022, 932, 23.  | 4.5 | 4         |
| 4  | A Deep Polarimetric Study of the Asymmetrical Debris Disk HD 106906. <i>Astrophysical Journal</i> , 2021, 915, 58.  | 4.5 | 12        |
| 5  | Giant Outer Transiting Exoplanet Mass (GOT $\hat{=}$ EM) Survey. II. Discovery of a Failed Hot Jupiter on a 2.7 Yr, Highly Eccentric Orbit*. <i>Astronomical Journal</i> , 2021, 162, 154.    | 4.7 | 14        |
| 6  | HD 165054: An Astrometric Calibration Field for High-contrast Imagers in Baade's Window. <i>Astronomical Journal</i> , 2020, 159, 244.  | 4.7 | 1         |
| 7  | The Gemini Planet Imager View of the HD 32297 Debris Disk. <i>Astronomical Journal</i> , 2020, 159, 251.  | 4.7 | 19        |
| 8  | Imaging the 44 au Kuiper Belt Analog Debris Ring around HD 141569A with GPI Polarimetry. <i>Astronomical Journal</i> , 2020, 159, 53.   | 4.7 | 8         |
| 9  | The Gemini Planet Imager Exoplanet Survey: Dynamical Mass of the Exoplanet $\hat{=}$ Pictoris b from Combined Direct Imaging and Astrometry. <i>Astronomical Journal</i> , 2020, 159, 71.     | 4.7 | 29        |
| 10 | An Updated Visual Orbit of the Directly Imaged Exoplanet 51 Eridani b and Prospects for a Dynamical Mass Measurement with Gaia. <i>Astronomical Journal</i> , 2020, 159, 1.                   | 4.7 | 16        |
| 11 | Debris Disk Results from the Gemini Planet Imager Exoplanet Survey's Polarimetric Imaging Campaign. <i>Astronomical Journal</i> , 2020, 160, 24.  | 4.7 | 64        |
| 12 | Revised astrometric calibration of the Gemini Planet Imager. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2020, 6, 1.  | 1.8 | 15        |
| 13 | First Resolved Scattered-light Images of Four Debris Disks in Scorpius-Centaurus with the Gemini Planet Imager. <i>Astronomical Journal</i> , 2020, 159, 31.                                  | 4.7 | 12        |
| 14 | Multiband Polarimetric Imaging of HR 4796A with the Gemini Planet Imager. <i>Astronomical Journal</i> , 2020, 160, 79.  | 4.7 | 22        |
| 15 | Multiband GPI Imaging of the HR 4796A Debris Disk. <i>Astrophysical Journal</i> , 2020, 898, 55.  | 4.5 | 29        |
| 16 | Dynamical Evidence of a Spiral Arm "driving Planet in the MWC 758 Protoplanetary Disk. <i>Astrophysical Journal Letters</i> , 2020, 898, L38.   | 8.3 | 24        |
| 17 | An Exo "Kuiper Belt with an Extended Halo around HD 191089 in Scattered Light. <i>Astrophysical Journal</i> , 2019, 882, 64.  | 4.5 | 34        |
| 18 | The Gemini Planet Imager Exoplanet Survey: Giant Planet and Brown Dwarf Demographics from 10 to 100 au. <i>Astronomical Journal</i> , 2019, 158, 13.  | 4.7 | 270       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | The Possible Astrometric Signature of a Planetary-mass Companion to the Nearby Young Star TW Piscis Austrini (Fomalhaut B): Constraints from Astrometry, Radial Velocities, and Direct Imaging. <i>Astronomical Journal</i> , 2019, 158, 225. | 4.7 | 8         |
| 20 | Detection of a Low-mass Stellar Companion to the Accelerating A2IV Star HR 1645. <i>Astronomical Journal</i> , 2019, 158, 226.  | 4.7 | 5         |
| 21 | Asymmetries in adaptive optics point spread functions. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019, 5, 1.  | 1.8 | 6         |
| 22 | Dynamical Constraints on the HR 8799 Planets with GPI. <i>Astronomical Journal</i> , 2018, 156, 192.  | 4.7 | 95        |
| 23 | The Eccentric Cavity, Triple Rings, Two-armed Spirals, and Double Clumps of the MWC 758 Disk. <i>Astrophysical Journal</i> , 2018, 860, 124.  | 4.5 | 126       |
| 24 | A Decade of MWC 758 Disk Images: Where Are the Spiral-arm-driving Planets?. <i>Astrophysical Journal Letters</i> , 2018, 857, L9.   | 8.3 | 22        |
| 25 | Direct Imaging of the HD 35841 Debris Disk: A Polarized Dust Ring from Gemini Planet Imager and an Outer Halo from HST/STIS. <i>Astronomical Journal</i> , 2018, 156, 47.   | 4.7 | 28        |
| 26 | Characterizing 51 Eri b from 1 to 5 $\mu$ m: A Partly Cloudy Exoplanet. <i>Astronomical Journal</i> , 2017, 154, 10.  | 4.7 | 110       |
| 27 | An Optical/Near-infrared Investigation of HD 100546 b with the Gemini Planet Imager and MagAO. <i>Astronomical Journal</i> , 2017, 153, 244.  | 4.7 | 81        |
| 28 | Evidence That the Directly Imaged Planet HD 131399 Ab Is a Background Star. <i>Astronomical Journal</i> , 2017, 154, 218.   | 4.7 | 52        |
| 29 | High contrast observations of circumstellar disks with the Gemini Planet Imager's polarimetry mode. , 2017, , .   |     | 3         |
| 30 | CONSTRAINTS ON THE ARCHITECTURE OF THE HD 95086 PLANETARY SYSTEM WITH THE GEMINI PLANET IMAGER. <i>Astrophysical Journal Letters</i> , 2016, 822, L29.  | 8.3 | 55        |
| 31 | DISCOVERY OF A SUBSTELLAR COMPANION TO THE NEARBY DEBRIS DISK HOST HR 2562. <i>Astrophysical Journal Letters</i> , 2016, 829, L4.   | 8.3 | 60        |
| 32 | BRINGING "THE MOTH" TO LIGHT: A PLANET-SCULPTING SCENARIO FOR THE HD 61005 DEBRIS DISK. <i>Astronomical Journal</i> , 2016, 152, 85.  | 4.7 | 33        |
| 33 | IMAGING AN 80 au RADIUS DUST RING AROUND THE F5V STAR HD 157587. <i>Astronomical Journal</i> , 2016, 152, 128.  | 4.7 | 19        |
| 34 | GEMINI PLANET IMAGER OBSERVATIONS OF THE AU MICROSCOPII DEBRIS DISK: ASYMMETRIES WITHIN ONE ARCSECOND. <i>Astrophysical Journal Letters</i> , 2015, 811, L19.   | 8.3 | 41        |
| 35 | $\beta$ PICTORIS <sup>TM</sup> INNER DISK IN POLARIZED LIGHT AND NEW ORBITAL PARAMETERS FOR $\beta$ PICTORIS. <i>Astrophysical Journal</i> , 2015, 811, 18.   | 4.5 | 108       |
| 36 | FIRST SCATTERED-LIGHT IMAGE OF THE DEBRIS DISK AROUND HD 131835 WITH THE GEMINI PLANET IMAGER. <i>Astrophysical Journal Letters</i> , 2015, 815, L14.   | 8.3 | 54        |

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|----|--|-----|-----------|
| 37 | ASTROMETRIC CONFIRMATION AND PRELIMINARY ORBITAL PARAMETERS OF THE YOUNG EXOPLANET 51 ERIDANI b WITH THE GEMINI PLANET IMAGER. <i>Astrophysical Journal Letters</i> , 2015, 814, L3. | 8.3 | 77        |
| 38 | MODELING SELF-SUBTRACTION IN ANGULAR DIFFERENTIAL IMAGING: APPLICATION TO THE HD 32297 DEBRIS DISK. <i>Astrophysical Journal</i> , 2014, 780, 25.                                    | 4.5 | 58        |
| 39 | Gemini planet imager observational calibrations V: astrometry and distortion. <i>Proceedings of SPIE</i> , 2014, , .   | 0.8 | 34        |