

Michael R Meyer

List of Publications by Citations

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36
papers

3,493
citations

27
h-index

36
g-index

36
ext. papers

3,843
ext. citations

8.1
avg, IF

5.27
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 36 | A Universal Stellar Initial Mass Function? A Critical Look at Variations. <i>Annual Review of Astronomy and Astrophysics</i> , 2010 , 48, 339-389 | 31.7 | 717 |
| 35 | Intrinsic Near-Infrared Excesses of T Tauri Stars: Understanding the Classical T Tauri Star Locus. <i>Astronomical Journal</i> , 1997 , 114, 288 | 4.9 | 717 |
| 34 | Evidence for Mass-dependent Circumstellar Disk Evolution in the 5 Myr Old Upper Scorpius OB Association. <i>Astrophysical Journal</i> , 2006 , 651, L49-L52 | 4.7 | 227 |
| 33 | Circumstellar Disks in the Orion Nebula Cluster. <i>Astronomical Journal</i> , 1998 , 116, 1816-1841 | 4.9 | 215 |
| 32 | A YOUNG PROTOPLANET CANDIDATE EMBEDDED IN THE CIRCUMSTELLAR DISK OF HD 100546. <i>Astrophysical Journal Letters</i> , 2013 , 766, L1 | 7.9 | 169 |
| 31 | DISCOVERY OF A COMPANION CANDIDATE IN THE HD 169142 TRANSITION DISK AND THE POSSIBILITY OF MULTIPLE PLANET FORMATION. <i>Astrophysical Journal Letters</i> , 2014 , 792, L23 | 7.9 | 126 |
| 30 | Dynamical evolution of star-forming regions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 438, 620-638 | 4.3 | 111 |
| 29 | CONFIRMATION AND CHARACTERIZATION OF THE PROTOPLANET HD 100546 b DIRECT EVIDENCE FOR GAS GIANT PLANET FORMATION AT 50 AU. <i>Astrophysical Journal</i> , 2015 , 807, 64 | 4.7 | 104 |
| 28 | VERY LARGE TELESCOPE/NACO POLARIMETRIC DIFFERENTIAL IMAGING OF HD100546 b DISK STRUCTURE AND DUST GRAIN PROPERTIES BETWEEN 10 AND 140 AU. <i>Astrophysical Journal</i> , 2011 , 738, 23 | 4.7 | 100 |
| 27 | Fast-moving features in the debris disk around AU Microscopii. <i>Nature</i> , 2015 , 526, 230-2 | 50.4 | 78 |
| 26 | Direct detection of exoplanets in the 3-10 μ m range with E-ELT/METIS. <i>International Journal of Astrobiology</i> , 2015 , 14, 279-289 | 1.4 | 77 |
| 25 | The effects of short-lived radionuclides and porosity on the early thermo-mechanical evolution of planetesimals. <i>Icarus</i> , 2016 , 274, 350-365 | 3.8 | 72 |
| 24 | IN-SYNC. II. VIRIAL STARS FROM SUBVIRIAL CORES THE VELOCITY DISPERSION OF EMBEDDED PRE-MAIN-SEQUENCE STARS IN NGC 1333. <i>Astrophysical Journal</i> , 2015 , 799, 136 | 4.7 | 70 |
| 23 | IN-SYNC. IV. THE YOUNG STELLAR POPULATION IN THE ORION A MOLECULAR CLOUD. <i>Astrophysical Journal</i> , 2016 , 818, 59 | 4.7 | 65 |
| 22 | Characterizing the dynamical state of star clusters from snapshots of their spatial distributions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 427, 637-650 | 4.3 | 64 |
| 21 | Impact splash chondrule formation during planetesimal recycling. <i>Icarus</i> , 2018 , 302, 27-43 | 3.8 | 63 |
| 20 | RESOLVED IMAGES OF THE PROTOPLANETARY DISK AROUND HD 100546 WITH ALMA. <i>Astrophysical Journal Letters</i> , 2014 , 788, L34 | 7.9 | 63 |

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|----|---|-------|----|
| 19 | Low-Mass Stars and Substellar Objects in the NGC 1333 Molecular Cloud. <i>Astronomical Journal</i> , 2004 , 127, 1131-1146 | 4.9 | 56 |
| 18 | A water budget dichotomy of rocky protoplanets from ²⁶ Al-heating. <i>Nature Astronomy</i> , 2019 , 3, 307-313 | 4.2.1 | 55 |
| 17 | IN-SYNC I: HOMOGENEOUS STELLAR PARAMETERS FROM HIGH-RESOLUTION APOGEE SPECTRA FOR THOUSANDS OF PRE-MAIN SEQUENCE STARS. <i>Astrophysical Journal</i> , 2014 , 794, 125 | 4.7 | 54 |
| 16 | ON THE EMERGENT SPECTRA OF HOT PROTOPLANET COLLISION AFTERGLOWS. <i>Astrophysical Journal</i> , 2009 , 704, 770-780 | 4.7 | 43 |
| 15 | A Resolved Circumstellar Disk around the Herbig Ae Star HD 100546 in the Thermal Infrared. <i>Astrophysical Journal</i> , 2003 , 598, L111-L114 | 4.7 | 40 |
| 14 | IN-SYNC. III. THE DYNAMICAL STATE OF IC 348: A SUPER-VIRIAL VELOCITY DISPERSION AND A PUZZLING SIGN OF CONVERGENCE. <i>Astrophysical Journal</i> , 2015 , 807, 27 | 4.7 | 39 |
| 13 | High-resolution ALMA Observations of HD 100546: Asymmetric Circumstellar Ring and Circumplanetary Disk Upper Limits. <i>Astrophysical Journal</i> , 2019 , 871, 48 | 4.7 | 35 |
| 12 | IN-SYNC. V. Stellar Kinematics and Dynamics in the Orion A Molecular Cloud. <i>Astrophysical Journal</i> , 2017 , 845, 105 | 4.7 | 31 |
| 11 | Binaries in the field: fossils of the star formation process?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 442, 3722-3736 | 4.3 | 30 |
| 10 | Isotopic enrichment of forming planetary systems from supernova pollution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 462, 3979-3992 | 4.3 | 28 |
| 9 | Hubble Space Telescope/NICMOS Observations of the Embedded Cluster in NGC 2024: Constraints on the Initial Mass Function and Binary Fraction. <i>Astronomical Journal</i> , 2003 , 126, 1665-1676 | 4.9 | 11 |
| 8 | IN-SYNC. VIII. Primordial Disk Frequencies in NGC 1333, IC 348, and the Orion A Molecular Cloud. <i>Astrophysical Journal</i> , 2018 , 869, 72 | 4.7 | 9 |
| 7 | Survival of Primordial Planetary Atmospheres: Photodissociation-driven Mass Loss. <i>Astrophysical Journal</i> , 2020 , 894, 130 | 4.7 | 8 |
| 6 | A Search for Intermediate-separation Low-mass Binaries in the Orion Nebula Cluster. <i>Astrophysical Journal</i> , 2019 , 886, 95 | 4.7 | 6 |
| 5 | A Theoretical Framework for the Mass Distribution of Gas Giant Planets Forming through the Core Accretion Paradigm. <i>Astrophysical Journal</i> , 2021 , 909, 1 | 4.7 | 3 |
| 4 | A wide-orbit giant planet in the high-mass β Centauri binary system. <i>Nature</i> , 2021 , 600, 231-234 | 50.4 | 3 |
| 3 | The Near-infrared Imager and Slitless Spectrograph for the James Webb Space Telescope. II. Wide Field Slitless Spectroscopy. <i>Publications of the Astronomical Society of the Pacific</i> , 2022 , 134, 025002 | 5 | 2 |
| 2 | Binary Formation in the Orion Nebula Cluster: Exploring the Substellar Limit. <i>Astrophysical Journal</i> , 2022 , 925, 112 | 4.7 | 1 |

1 Characterizing the Protolunar Disk of the Accreting Companion GQ Lupi B*. *Astronomical Journal*,
2021, 162, 286

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