

# Michael R Meyer

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7768417/michael-r-meyer-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Binary Formation in the Orion Nebula Cluster: Exploring the Substellar Limit. <i>Astrophysical Journal</i> , <b>2022</b> , 925, 112	4.7	1
35	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> , <b>2022</b> , 134, 025002	5	2
34	A Theoretical Framework for the Mass Distribution of Gas Giant Planets Forming through the Core Accretion Paradigm. <i>Astrophysical Journal</i> , <b>2021</b> , 909, 1	4.7	3
33	Characterizing the Protolunar Disk of the Accreting Companion GQ Lupi B*. <i>Astronomical Journal</i> , <b>2021</b> , 162, 286	4.9	1
32	A wide-orbit giant planet in the high-mass $\beta$ Centauri binary system. <i>Nature</i> , <b>2021</b> , 600, 231-234	50.4	3
31	Survival of Primordial Planetary Atmospheres: Photodissociation-driven Mass Loss. <i>Astrophysical Journal</i> , <b>2020</b> , 894, 130	4.7	8
30	High-resolution ALMA Observations of HD 100546: Asymmetric Circumstellar Ring and Circumplanetary Disk Upper Limits. <i>Astrophysical Journal</i> , <b>2019</b> , 871, 48	4.7	35
29	A water budget dichotomy of rocky protoplanets from $^{26}\text{Al}$ -heating. <i>Nature Astronomy</i> , <b>2019</b> , 3, 307-313	12.1	55
28	A Search for Intermediate-separation Low-mass Binaries in the Orion Nebula Cluster. <i>Astrophysical Journal</i> , <b>2019</b> , 886, 95	4.7	6
27	Impact splash chondrule formation during planetesimal recycling. <i>Icarus</i> , <b>2018</b> , 302, 27-43	3.8	63
26	IN-SYNC. VIII. Primordial Disk Frequencies in NGC 1333, IC 348, and the Orion A Molecular Cloud. <i>Astrophysical Journal</i> , <b>2018</b> , 869, 72	4.7	9
25	IN-SYNC. V. Stellar Kinematics and Dynamics in the Orion A Molecular Cloud. <i>Astrophysical Journal</i> , <b>2017</b> , 845, 105	4.7	31
24	Isotopic enrichment of forming planetary systems from supernova pollution. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, 3979-3992	4.3	28
23	IN-SYNC. IV. THE YOUNG STELLAR POPULATION IN THE ORION A MOLECULAR CLOUD. <i>Astrophysical Journal</i> , <b>2016</b> , 818, 59	4.7	65
22	The effects of short-lived radionuclides and porosity on the early thermo-mechanical evolution of planetesimals. <i>Icarus</i> , <b>2016</b> , 274, 350-365	3.8	72
21	IN-SYNC. II. VIRIAL STARS FROM SUBVIRIAL CORES: THE VELOCITY DISPERSION OF EMBEDDED PRE-MAIN-SEQUENCE STARS IN NGC 1333. <i>Astrophysical Journal</i> , <b>2015</b> , 799, 136	4.7	70
20	CONFIRMATION AND CHARACTERIZATION OF THE PROTOPLANET HD 100546 b: DIRECT EVIDENCE FOR GAS GIANT PLANET FORMATION AT 50 AU. <i>Astrophysical Journal</i> , <b>2015</b> , 807, 64	4.7	104

19	Direct detection of exoplanets in the 3000 Å range with E-ELT/METIS. <i>International Journal of Astrobiology</i> , <b>2015</b> , 14, 279-289	1.4	77
18	Fast-moving features in the debris disk around AU Microscopii. <i>Nature</i> , <b>2015</b> , 526, 230-2	50.4	78
17	IN-SYNC. III. THE DYNAMICAL STATE OF IC 348: SUPER-VIRIAL VELOCITY DISPERSION AND A PUZZLING SIGN OF CONVERGENCE. <i>Astrophysical Journal</i> , <b>2015</b> , 807, 27	4.7	39
16	Dynamical evolution of star-forming regions. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 438, 620-638	4.3	111
15	Binaries in the field: fossils of the star formation process?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 442, 3722-3736	4.3	30
14	IN-SYNC I: HOMOGENEOUS STELLAR PARAMETERS FROM HIGH-RESOLUTION APOGEE SPECTRA FOR THOUSANDS OF PRE-MAIN SEQUENCE STARS. <i>Astrophysical Journal</i> , <b>2014</b> , 794, 125	4.7	54
13	DISCOVERY OF A COMPANION CANDIDATE IN THE HD 169142 TRANSITION DISK AND THE POSSIBILITY OF MULTIPLE PLANET FORMATION. <i>Astrophysical Journal Letters</i> , <b>2014</b> , 792, L23	7.9	126
12	RESOLVED IMAGES OF THE PROTOPLANETARY DISK AROUND HD 100546 WITH ALMA. <i>Astrophysical Journal Letters</i> , <b>2014</b> , 788, L34	7.9	63
11	A YOUNG PROTOPLANET CANDIDATE EMBEDDED IN THE CIRCUMSTELLAR DISK OF HD 100546. <i>Astrophysical Journal Letters</i> , <b>2013</b> , 766, L1	7.9	169
10	Characterizing the dynamical state of star clusters from snapshots of their spatial distributions. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 427, 637-650	4.3	64
9	VERY LARGE TELESCOPE/NACO POLARIMETRIC DIFFERENTIAL IMAGING OF HD100546 DISK STRUCTURE AND DUST GRAIN PROPERTIES BETWEEN 10 AND 140 AU. <i>Astrophysical Journal</i> , <b>2011</b> , 738, 23	4.7	100
8	A Universal Stellar Initial Mass Function? A Critical Look at Variations. <i>Annual Review of Astronomy and Astrophysics</i> , <b>2010</b> , 48, 339-389	31.7	717
7	ON THE EMERGENT SPECTRA OF HOT PROTOPLANET COLLISION AFTERGLOWS. <i>Astrophysical Journal</i> , <b>2009</b> , 704, 770-780	4.7	43
6	Evidence for Mass-dependent Circumstellar Disk Evolution in the 5 Myr Old Upper Scorpius OB Association. <i>Astrophysical Journal</i> , <b>2006</b> , 651, L49-L52	4.7	227
5	Low-Mass Stars and Substellar Objects in the NGC 1333 Molecular Cloud. <i>Astronomical Journal</i> , <b>2004</b> , 127, 1131-1146	4.9	56
4	A Resolved Circumstellar Disk around the Herbig Ae Star HD 100546 in the Thermal Infrared. <i>Astrophysical Journal</i> , <b>2003</b> , 598, L111-L114	4.7	40
3	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> , <b>2003</b> , 126, 1665-1676	4.9	11
2	Circumstellar Disks in the Orion Nebula Cluster. <i>Astronomical Journal</i> , <b>1998</b> , 116, 1816-1841	4.9	215

- 1 Intrinsic Near-Infrared Excesses of T Tauri Stars: Understanding the Classical T Tauri Star Locus.  
*Astronomical Journal*, **1997**, 114, 288 4.9 717