

Katie M Morzinski

List of Publications by Year in descending order

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77
papers

3,944
citations

136950

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149698

56
g-index

77
all docs

77
docs citations

77
times ranked

2104
citing authors

#	ARTICLE	IF	CITATIONS
1	First light of the Gemini Planet Imager. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12661-12666.	7.1	472
2	The Gemini Planet Imager Exoplanet Survey: Giant Planet and Brown Dwarf Demographics from 10 to 100 au. Astronomical Journal, 2019, 158, 13.	4.7	270
3	FIRST LIGHT LBT AO IMAGES OF HR 8799 bcde AT 1.6 AND 3.3 $\hat{1}$ / ₄ m: NEW DISCREPANCIES BETWEEN YOUNG PLANETS AND OLD BROWN DWARFS. Astrophysical Journal, 2012, 753, 14.	4.5	152
4	HD 106906 b: A PLANETARY-MASS COMPANION OUTSIDE A MASSIVE DEBRIS DISK. Astrophysical Journal Letters, 2014, 780, L4.	8.3	143
5	POLARIMETRY WITH THE GEMINI PLANET IMAGER: METHODS, PERFORMANCE AT FIRST LIGHT, AND THE CIRCUMSTELLAR RING AROUND HR 4796A. Astrophysical Journal, 2015, 799, 182.	4.5	139
6	AN ENIGMATIC POINT-LIKE FEATURE WITHIN THE HD 169142 TRANSITIONAL DISK,. Astrophysical Journal Letters, 2014, 792, L22.	8.3	119
7	DIRECTLY IMAGED L-T TRANSITION EXOPLANETS IN THE MID-INFRARED[,]. Astrophysical Journal, 2014, 792, 17.	4.5	112
8	Characterizing 51 Eri b from 1 to 5 $\hat{1}$ / ₄ m: A Partly Cloudy Exoplanet. Astronomical Journal, 2017, 154, 10.	4.7	110
9	<i> $\hat{1}$ / ₂ </i> PICTORIS \hat{a} ™ INNER DISK IN POLARIZED LIGHT AND NEW ORBITAL PARAMETERS FOR<i> $\hat{1}$ / ₂ </i> PICTORIS<i>b</i>. Astrophysical Journal, 2015, 811, 18.	4.5	108
10	Magellan Adaptive Optics Imaging of PDS 70: Measuring the Mass Accretion Rate of a Young Giant Planet within a Gapped Disk. Astrophysical Journal Letters, 2018, 863, L8.	8.3	107
11	MAGELLAN ADAPTIVE OPTICS FIRST-LIGHT OBSERVATIONS OF THE EXOPLANET<i> $\hat{1}$ / ₂ </i> PIC b. II. 3 \hat{a} ™“5<i> $\hat{1}$ / ₄ </i>m DIRECT IMAGING WITH MagAO+Clio, AND THE EMPIRICAL BOLOMETRIC LUMINOSITY OF A SELF-LUMINOUS GIANT PLANET. Astrophysical Journal, 2015, 815, 108.	4.5	104
12	The Gemini Planet Imager. , 2006, , .		99
13	Complex Spiral Structure in the HD 100546 Transitional Disk as Revealed by GPI and MagAO. Astronomical Journal, 2017, 153, 264.	4.7	99
14	Improving and Assessing Planet Sensitivity of the GPI Exoplanet Survey with a Forward Model Matched Filter. Astrophysical Journal, 2017, 842, 14.	4.5	96
15	1 \hat{a} ™“2.4 $\hat{1}$ / ₄ m Near-IR Spectrum of the Giant Planet $\hat{1}$ / ₂ Pictoris b Obtained with the Gemini Planet Imager. Astronomical Journal, 2017, 153, 182.	4.7	92
16	MAGELLAN ADAPTIVE OPTICS FIRST-LIGHT OBSERVATIONS OF THE EXOPLANET $\hat{1}$ / ₂ PIC b. I. DIRECT IMAGING IN THE FAR-RED OPTICAL WITH MagAO+VisAO AND IN THE NEAR-IR WITH NICI[,]. Astrophysical Journal, 2014, 786, 32.	4.5	88
17	An Optical/Near-infrared Investigation of HD 100546 b with the Gemini Planet Imager and MagAO. Astronomical Journal, 2017, 153, 244.	4.7	81
18	GEMINI PLANET IMAGER SPECTROSCOPY OF THE HR 8799 PLANETS c AND d. Astrophysical Journal Letters, 2014, 794, L15.	8.3	80

#	ARTICLE	IF	CITATIONS
19	DIRECT IMAGING OF AN ASYMMETRIC DEBRIS DISK IN THE HD 106906 PLANETARY SYSTEM. <i>Astrophysical Journal</i> , 2015, 814, 32.	4.5	79
20	SPECTROSCOPIC CHARACTERIZATION OF HD 95086 b WITH THE GEMINI PLANET IMAGER. <i>Astrophysical Journal</i> , 2016, 824, 121.	4.5	78
21	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
22	THE LEECH EXOPLANET IMAGING SURVEY: CHARACTERIZATION OF THE COLDEST DIRECTLY IMAGED EXOPLANET, GJ 504 b, AND EVIDENCE FOR SUPERSTELLAR METALLICITY*. <i>Astrophysical Journal</i> , 2016, 817, 166.	4.5	68
23	The Orbit of the Companion to HD 100453A: Binary-driven Spiral Arms in a Protoplanetary Disk. <i>Astrophysical Journal</i> , 2018, 854, 130.	4.5	62
24	THE FIRST <i>H</i> -BAND SPECTRUM OF THE GIANT PLANET $\hat{\iota}^2$ PICTORIS b. <i>Astrophysical Journal Letters</i> , 2015, 798, L3.	8.3	61
25	ADAPTIVE OPTICS IMAGING OF VHS 1256-1257: A LOW MASS COMPANION TO A BROWN DWARF BINARY SYSTEM. <i>Astrophysical Journal Letters</i> , 2016, 818, L12.	8.3	61
26	THE GEMINI NICI PLANET-FINDING CAMPAIGN: THE ORBIT OF THE YOUNG EXOPLANET $\hat{\iota}^2$ PICTORIS b. <i>Astrophysical Journal</i> , 2014, 794, 158.	4.5	59
27	ON-SKY PERFORMANCE ANALYSIS OF THE VECTOR APODIZING PHASE PLATE CORONAGRAPH ON MagAO/Clio2. <i>Astrophysical Journal</i> , 2017, 834, 175.	4.5	59
28	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
29	Evidence That the Directly Imaged Planet HD 131399 Ab Is a Background Star. <i>Astronomical Journal</i> , 2017, 154, 218.	4.7	52
30	DISCOVERY AND VALIDATION OF A HIGH-DENSITY SUB-NEPTUNE FROM THE K2 MISSION. <i>Astrophysical Journal</i> , 2016, 830, 43.	4.5	49
31	An ALMA and MagAO Study of the Substellar Companion GQ Lup B ⁺ . <i>Astrophysical Journal</i> , 2017, 836, 223.	4.5	49
32	ON THE MORPHOLOGY AND CHEMICAL COMPOSITION OF THE HR 4796A DEBRIS DISK. <i>Astrophysical Journal</i> , 2015, 798, 96.	4.5	45
33	The LEECH Exoplanet Imaging Survey: Limits on Planet Occurrence Rates under Conservative Assumptions. <i>Astronomical Journal</i> , 2018, 156, 286.	4.7	44
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	THE LEECH EXOPLANET IMAGING SURVEY: ORBIT AND COMPONENT MASSES OF THE INTERMEDIATE-AGE, LATE-TYPE BINARY NO UMa*. <i>Astrophysical Journal</i> , 2016, 818, 1.	4.5	41
36	First closed-loop visible AO test results for the advanced adaptive secondary AO system for the Magellan Telescope: MagAO's performance and status. <i>Proceedings of SPIE</i> , 2012, , .	0.8	40

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37	MagAO IMAGING OF LONG-PERIOD OBJECTS (MILO). I. A BENCHMARK M DWARF COMPANION EXCITING A MASSIVE PLANET AROUND THE SUN-LIKE STAR HD 7449*. <i>Astrophysical Journal</i> , 2016, 818, 106.	4.5	40
38	MAGELLAN AO SYSTEM γ , δ , AND ϵ OBSERVATIONS OF THE VERY WIDE 650 AU HD 106906 PLANETARY SYSTEM*. <i>Astrophysical Journal</i> , 2016, 823, 24.	4.5	35
39	Gemini planet imager observational calibrations V: astrometry and distortion. <i>Proceedings of SPIE</i> , 2014, , .	0.8	34
40	DIRECT EXOPLANET DETECTION WITH BINARY DIFFERENTIAL IMAGING. <i>Astrophysical Journal</i> , 2015, 811, 157.	4.5	33
41	MagAO: Status and on-sky performance of the Magellan adaptive optics system. <i>Proceedings of SPIE</i> , 2014, , .	0.8	30
42	NEW EXTINCTION AND MASS ESTIMATES FROM OPTICAL PHOTOMETRY OF THE VERY LOW MASS BROWN DWARF COMPANION CT CHAMAELEONTIS B WITH THE MAGELLAN AO SYSTEM. <i>Astrophysical Journal</i> , 2015, 801, 4.	4.5	23
43	NEW EXTINCTION AND MASS ESTIMATES OF THE LOW-MASS COMPANION 1RXS 1609 B WITH THE MAGELLAN AO SYSTEM: EVIDENCE OF AN INCLINED DUST DISK. <i>Astrophysical Journal Letters</i> , 2015, 807, L13.	8.3	22
44	NEW SPATIALLY RESOLVED OBSERVATIONS OF THE T Cha TRANSITION DISK AND CONSTRAINTS ON THE PREVIOUSLY CLAIMED SUBSTELLAR COMPANION. <i>Astrophysical Journal</i> , 2015, 801, 85.	4.5	21
45	The TWA 3 Young Triple System: Orbits, Disks, Evolution. <i>Astrophysical Journal</i> , 2017, 844, 168.	4.5	20
46	The Gemini planet imager: first light and commissioning. <i>Proceedings of SPIE</i> , 2014, , .	0.8	14
47	The Multiplicity of M Dwarfs in Young Moving Groups. <i>Astrophysical Journal</i> , 2017, 846, 93.	4.5	14
48	THE FIRST CIRCUMSTELLAR DISK IMAGED IN SILHOUETTE AT VISIBLE WAVELENGTHS WITH ADAPTIVE OPTICS: MagAO IMAGING OF ORION 218-354. <i>Astrophysical Journal Letters</i> , 2013, 775, L13.	8.3	13
49	MagAO: status and science. <i>Proceedings of SPIE</i> , 2016, , .	0.8	12
50	Improved Orbital Constraints and $H\alpha$ Photometric Monitoring of the Directly Imaged Protoplanet Analog HD 142527 B. <i>Astronomical Journal</i> , 2022, 164, 29.	4.7	12
51	High contrast imaging at the LBT: the LEECH exoplanet imaging survey. <i>Proceedings of SPIE</i> , 2014, , .	0.8	11
52	Multiwavelength observations of NaSt1 (WR122): equatorial mass loss and X-rays from an interacting Wolf-Rayet binary. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 2551-2563.	4.4	11
53	Into the blue: AO science with MagAO in the visible. <i>Proceedings of SPIE</i> , 2014, , .	0.8	10
54	New Spatially Resolved Imaging of the SR 21 Transition Disk and Constraints on the Small-grain Disk Geometry. <i>Astrophysical Journal</i> , 2019, 883, 100.	4.5	10

#	ARTICLE	IF	CITATIONS
55	Direct imaging of exoplanets in the habitable zone with adaptive optics. Proceedings of SPIE, 2014, , .	0.8	9
56	Laser-Guide-Star Satellite for Ground-Based Adaptive Optics Imaging of Geosynchronous Satellites. Journal of Spacecraft and Rockets, 2017, 54, 621-639.	1.9	9
57	The path to visible extreme adaptive optics with MagAO-2K and MagAO-X. , 2016, , .		9
58	Imaging the 44 au Kuiper Belt Analog Debris Ring around HD 141569A with GPI Polarimetry. Astronomical Journal, 2020, 159, 53.	4.7	8
59	L-BAND SPECTROSCOPY WITH MAGELLAN-AO/Clio2: FIRST RESULTS ON YOUNGLOW-MASS COMPANIONS. Astrophysical Journal, 2016, 829, 39.	4.5	8
60	MagAO IMAGING OF LONG-PERIOD OBJECTS (MILO). II. A PUZZLING WHITE DWARF AROUND THE SUN-LIKE STAR HD 11112. Astrophysical Journal, 2016, 831, 177.	4.5	5
61	High-contrast observations of brown dwarf companion HR2562AB with the vector Apodizing Phase Plate coronagraph. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3224-3238.	4.4	5
62	Laboratory demonstration of real time frame selection with Magellan AO. Proceedings of SPIE, 2012, , .	0.8	4
63	Resolving the H α -emitting Region in the Wind of $\hat{\iota}$ Carinae. Astrophysical Journal Letters, 2017, 841, L7.	8.3	4
64	The Intricate Structure of HH 508, the Brightest Microjet in the Orion Nebula. Astrophysical Journal, 2018, 854, 144.	4.5	4
65	Performance of the Gemini Planet Imager Non-redundant Mask and Spectroscopy of Two Close-separation Binaries: HR 2690 and HD 142527. Astronomical Journal, 2019, 157, 249.	4.7	3
66	Characterizing deformable mirrors for the MagAO-X instrument. Journal of Astronomical Telescopes, Instruments, and Systems, 2021, 7, .	1.8	3
67	The hunt for Sirius Ab: comparison of algorithmic sky and PSF estimation performance in deep coronagraphic thermal-IR high contrast imaging. , 2018, , .		3
68	Status of MagAO and review of astronomical science with visible light adaptive optics. , 2018, , .		3
69	OGLE-2007-BLG-224L: A Direct Test of Terrestrial Parallax. Astrophysical Journal, 2021, 908, 240.	4.5	2
70	Focal plane wavefront sensing and control strategies for high-contrast imaging on the MagAO-X instrument. , 2018, , .		2
71	Development and status of MAPS, the MMT AO exoPlanet characterization system. , 2020, , .		2
72	Laboratory testing and calibration of the upgraded MMT adaptive secondary mirror. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
73	High-contrast Imaging with Fizeau Interferometry: the Case of Altair*. <i>Astronomical Journal</i> , 2022, 163, 62.	4.7	2
74	High-contrast imaging in the cloud with klipReduce and Findr. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
75	MagAO Observations of the Binary Microlens OGLE-2014-BLG-1050 Prefer the Higher-mass Solution*. <i>Astronomical Journal</i> , 2021, 161, 113.	4.7	0
76	Surveying the Epsilon Eridani system Using MagAO. , 2018, , .		0
77	Design and development of a high-speed visible pyramid wavefront sensor for the MMT AO system. , 2020, , .		0