

James R Graham

List of Publications by Year in descending order

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103
papers

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times ranked

4800
citing authors

#	ARTICLE	IF	CITATIONS
1	HD 165054: An Astrometric Calibration Field for High-contrast Imagers in Baade's Window. <i>Astronomical Journal</i> , 2020, 159, 244.	4.7	1
2	The Gemini Planet Imager View of the HD 32297 Debris Disk. <i>Astronomical Journal</i> , 2020, 159, 251.	4.7	19
3	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
4	The Gemini Planet Imager Exoplanet Survey: Dynamical Mass of the Exoplanet $\hat{\iota}^2$ Pictoris b from Combined Direct Imaging and Astrometry. <i>Astronomical Journal</i> , 2020, 159, 71.	4.7	29
5	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
6	Debris Disk Results from the Gemini Planet Imager Exoplanet Survey's Polarimetric Imaging Campaign. <i>Astronomical Journal</i> , 2020, 160, 24.	4.7	64
7	Revised astrometric calibration of the Gemini Planet Imager. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2020, 6, 1.	1.8	15
8	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
9	Performance of the Gemini Planet Imager Non-redundant Mask and Spectroscopy of Two Close-separation Binaries: HR 2690 and HD 142527. <i>Astronomical Journal</i> , 2019, 157, 249.	4.7	3
10	An Exo-Kuiper Belt with an Extended Halo around HD 191089 in Scattered Light. <i>Astrophysical Journal</i> , 2019, 882, 64.	4.5	34
11	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
12	Detection of a Low-mass Stellar Companion to the Accelerating A2IV Star HR 1645. <i>Astronomical Journal</i> , 2019, 158, 226.	4.7	5
13	Asymmetries in adaptive optics point spread functions. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019, 5, 1.	1.8	6
14	GPI Spectra of HR 8799 c, d, and e from 1.5 to 2.4 $\hat{\lambda}$ /4m with KLIP Forward Modeling. <i>Astronomical Journal</i> , 2018, 155, 226.	4.7	50
15	Dynamical Constraints on the HR 8799 Planets with GPI. <i>Astronomical Journal</i> , 2018, 156, 192.	4.7	95
16	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
17	Integral Field Spectroscopy of the Low-mass Companion HD 984 B with the Gemini Planet Imager. <i>Astronomical Journal</i> , 2017, 153, 190.	4.7	15
18	Orbits for the Impatient: A Bayesian Rejection-sampling Method for Quickly Fitting the Orbits of Long-period Exoplanets. <i>Astronomical Journal</i> , 2017, 153, 229.	4.7	98

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19	Characterizing 51 Eri b from 1 to 5 $\hat{1}$ / ₄ m: A Partly Cloudy Exoplanet. <i>Astronomical Journal</i> , 2017, 154, 10.	4.7	110
20	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
21	A Complete ALMA Map of the Fomalhaut Debris Disk. <i>Astrophysical Journal</i> , 2017, 842, 8.	4.5	89
22	Improving and Assessing Planet Sensitivity of the GPI Exoplanet Survey with a Forward Model Matched Filter. <i>Astrophysical Journal</i> , 2017, 842, 14.	4.5	96
23	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. <i>Astronomical Journal</i> , 2017, 153, 182.	4.7	92
24	Evidence That the Directly Imaged Planet HD 131399 Ab Is a Background Star. <i>Astronomical Journal</i> , 2017, 154, 218.	4.7	52
25	Complex Spiral Structure in the HD 100546 Transitional Disk as Revealed by GPI and MagAO. <i>Astronomical Journal</i> , 2017, 153, 264.	4.7	99
26	The automated data processing architecture for the GPI Exoplanet Survey. , 2017, , .		3
27	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
28	SPECTROSCOPIC CHARACTERIZATION OF HD 95086 b WITH THE GEMINI PLANET IMAGER. <i>Astrophysical Journal</i> , 2016, 824, 121.	4.5	78
29	DISCOVERY OF A SUBSTELLAR COMPANION TO THE NEARBY DEBRIS DISK HOST HR 2562. <i>Astrophysical Journal Letters</i> , 2016, 829, L4.	8.3	60
30	THE ORBIT AND TRANSIT PROSPECTS FOR $\hat{1}$ / ₂ PICTORIS b CONSTRAINED WITH ONE MILLIARCSECOND ASTROMETRY. <i>Astronomical Journal</i> , 2016, 152, 97.	4.7	95
31	BRINGING \hat{a} €œTHE MOTH \hat{a} € TO LIGHT: A PLANET-SCULPTING SCENARIO FOR THE HD 61005 DEBRIS DISK. <i>Astronomical Journal</i> , 2016, 152, 85.	4.7	33
32	IMAGING AN 80 au RADIUS DUST RING AROUND THE F5V STAR HD 157587. <i>Astronomical Journal</i> , 2016, 152, 128.	4.7	19
33	Large collaboration in observational astronomy: the Gemini Planet Imager exoplanet survey case. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
34	DYNAMICAL MASS MEASUREMENT OF THE YOUNG SPECTROSCOPIC BINARY V343 NORMAE AaAb RESOLVED WITH THE GEMINI PLANET IMAGER. <i>Astronomical Journal</i> , 2016, 152, 175.	4.7	28
35	POINT SOURCE POLARIMETRY WITH THE GEMINI PLANET IMAGER: SENSITIVITY CHARACTERIZATION WITH T5.5 DWARF COMPANION HD 19467 B. <i>Astrophysical Journal</i> , 2016, 820, 111.	4.5	25
36	THE PDS 66 CIRCUMSTELLAR DISK AS SEEN IN POLARIZED LIGHT WITH THE GEMINI PLANET IMAGER. <i>Astrophysical Journal Letters</i> , 2016, 818, L15.	8.3	22

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37	GPI observational calibrations XIV: polarimetric contrasts and new data reduction techniques. Proceedings of SPIE, 2016, , .	0.8	15
38	THE PECULIAR DEBRIS DISK OF HD 111520 AS RESOLVED BY THE GEMINI PLANET IMAGER. Astrophysical Journal, 2016, 826, 147.	4.5	27
39	GEMINI PLANET IMAGER OBSERVATIONS OF THE ALI MICROSCOPII DEBRIS DISK: ASYMMETRIES WITHIN ONE ARCSECOND. Astrophysical Journal Letters, 2015, 811, L19.	8.3	41
40	$\hat{\iota}^2$ PICTORIS ^a ™ INNER DISK IN POLARIZED LIGHT AND NEW ORBITAL PARAMETERS FOR $\hat{\iota}^2$ PICTORIS ^b . Astrophysical Journal, 2015, 811, 18.	4.5	108
41	FIRST SCATTERED-LIGHT IMAGE OF THE DEBRIS DISK AROUND HD 131835 WITH THE GEMINI PLANET IMAGER. Astrophysical Journal Letters, 2015, 815, L14.	8.3	54
42	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
43	THE FIRST $H\alpha$ -BAND SPECTRUM OF THE GIANT PLANET $\hat{\iota}^2$ PICTORIS b. Astrophysical Journal Letters, 2015, 798, L3.	8.3	61
44	DIRECT IMAGING OF AN ASYMMETRIC DEBRIS DISK IN THE HD 106906 PLANETARY SYSTEM. Astrophysical Journal, 2015, 814, 32.	4.5	79
45	ASTROMETRIC CONFIRMATION AND PRELIMINARY ORBITAL PARAMETERS OF THE YOUNG EXOPLANET 51 ERIDANI b WITH THE GEMINI PLANET IMAGER. Astrophysical Journal Letters, 2015, 814, L3.	8.3	77
46	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
47	MODELING SELF-SUBTRACTION IN ANGULAR DIFFERENTIAL IMAGING: APPLICATION TO THE HD 32297 DEBRIS DISK. Astrophysical Journal, 2014, 780, 25.	4.5	58
48	GEMINI PLANET IMAGER SPECTROSCOPY OF THE HR 8799 PLANETS c AND d. Astrophysical Journal Letters, 2014, 794, L15.	8.3	80
49	Gemini planet imager observational calibrations VI: photometric and spectroscopic calibration for the integral field spectrograph. Proceedings of SPIE, 2014, , .	0.8	21
50	Efficiency Measurements and Installation of a New Grating for the OSIRIS Spectrograph at Keck Observatory. Publications of the Astronomical Society of the Pacific, 2014, 126, 250-263.	3.1	27
51	Gemini planet imager observational calibrations V: astrometry and distortion. Proceedings of SPIE, 2014, , .	0.8	34
52	Gemini planet imager observational calibrations VIII: characterization and role of satellite spots. Proceedings of SPIE, 2014, , .	0.8	48
53	The integral field spectrograph for the Gemini planet imager. Proceedings of SPIE, 2014, , .	0.8	17
54	Gemini Planet Imager observational calibrations I: Overview of the GPI data reduction pipeline. Proceedings of SPIE, 2014, , .	0.8	70

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55	Gemini planet imager observational calibrations VII: on-sky polarimetric performance of the Gemini planet imager. Proceedings of SPIE, 2014, , .	0.8	13
56	STIS CORONAGRAPHIC IMAGING OF FOMALHAUT: MAIN BELT STRUCTURE AND THE ORBIT OF FOMALHAUT. Astrophysical Journal, 2013, 775, 56.	4.5	124
57	High-fidelity photometry and astrometry of high-contrast imaged companions using LOCI processing.. Proceedings of the International Astronomical Union, 2013, 8, 44-45.	0.0	0
58	Polarimetry with the Gemini Planet Imager: Instrument Characterization and Future Science. Proceedings of the International Astronomical Union, 2013, 8, 58-59.	0.0	1
59	Performance of the integral field spectrograph for the Gemini Planet Imager. Proceedings of SPIE, 2012, , .	0.8	18
60	DYNAMICAL MEASUREMENTS OF BLACK HOLE MASSES IN FOUR BRIGHTEST CLUSTER GALAXIES AT 100 Mpc. Astrophysical Journal, 2012, 756, 179.	4.5	109
61	Experimental Design for the Gemini Planet Imager. Publications of the Astronomical Society of the Pacific, 2011, 123, 692-708.	3.1	65
62	Two ten-billion-solar-mass black holes at the centres of giant elliptical galaxies. Nature, 2011, 480, 215-218.	27.8	305
63	THE BLACK HOLE MASS IN THE BRIGHTEST CLUSTER GALAXY NGC 6086. Astrophysical Journal, 2011, 728, 100.	4.5	32
64	THE LYOT PROJECT DIRECT IMAGING SURVEY OF SUBSTELLAR COMPANIONS: STATISTICAL ANALYSIS AND INFORMATION FROM NONDETECTIONS. Astrophysical Journal, 2010, 716, 1551-1565.	4.5	34
65	ORBITAL CONSTRAINTS ON THE $\hat{\rho}^2$ Pic INNER PLANET CANDIDATE WITH KECK ADAPTIVE OPTICS. Astrophysical Journal, 2009, 706, L41-L45.	4.5	32
66	SPECKLE SUPPRESSION THROUGH DUAL IMAGING POLARIMETRY, AND A GROUND-BASED IMAGE OF THE HR 4796A CIRCUMSTELLAR DISK. Astrophysical Journal, 2009, 701, 804-810.	4.5	97
67	Adaptive Optics-Based Measurements of the Black Hole in Abell 2162. Proceedings of the International Astronomical Union, 2009, 5, 208-208.	0.0	0
68	Optical Images of an Exosolar Planet 25 Light-Years from Earth. Science, 2008, 322, 1345-1348.	12.6	701
69	Super Star Cluster Velocity Dispersions and Virial Masses in the M82 Nuclear Starburst. Astrophysical Journal, 2007, 663, 844-856.	4.5	96
70	Discovery of Extreme Asymmetry in the Debris Disk Surrounding HD 15115. Astrophysical Journal, 2007, 661, L85-L88.	4.5	83
71	The Signature of Primordial Grain Growth in the Polarized Light of the AU Microscopii Debris Disk. Astrophysical Journal, 2007, 654, 595-605.	4.5	117
72	Feedback in the Antennae Galaxies (NGC 4038/9). I. High-Resolution Infrared Spectroscopy of Winds from Super Star Clusters. Astrophysical Journal, 2007, 668, 168-181.	4.5	58

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73	Discovery of an Extended Debris Disk around the F2 V Star HD 15745. <i>Astrophysical Journal</i> , 2007, 671, L161-L164.	4.5	29
74	The Gemini Deep Planet Survey. <i>Astrophysical Journal</i> , 2007, 670, 1367-1390.	4.5	247
75	High Spectral Resolution Observations of the Massive Stars in the Galactic Center. <i>Astrophysical Journal</i> , 2006, 641, 891-904.	4.5	31
76	Discovery of an Optically Thick, Edge-on Disk around the Herbig Ae Star PDS 144N. <i>Astrophysical Journal</i> , 2006, 645, 1272-1282.	4.5	44
77	First Scattered Light Images of Debris Disks around HD 53143 and HD 139664. <i>Astrophysical Journal</i> , 2006, 637, L57-L60.	4.5	81
78	Mass Segregation and the Initial Mass Function of Super Star Cluster M82. <i>Astrophysical Journal</i> , 2005, 621, 278-284.	4.5	55
79	A planetary system as the origin of structure in Fomalhaut's dust belt. <i>Nature</i> , 2005, 435, 1067-1070.	27.8	327
80	The Host Galaxy of GRB 031203: Implications of Its Low Metallicity, Low Redshift, and Starburst Nature. <i>Astrophysical Journal</i> , 2004, 611, 200-207.	4.5	156
81	An Adaptive Optics Survey for Companions to Stars with Extra-Solar Planets. <i>Symposium - International Astronomical Union</i> , 2004, 202, 462-464.	0.1	0
82	The Structure of High Strehl Ratio Point Spread Functions. <i>Astrophysical Journal</i> , 2003, 596, 702-712.	4.5	139
83	Kinematic Masses of Super Star Clusters in M82 from High Resolution Near Infrared Spectroscopy. <i>Astrophysical Journal</i> , 2003, 596, 240-252.	4.5	135
84	The Potential of Differential Astrometric Interferometry from the High Antarctic Plateau. <i>Publications of the Astronomical Society of Australia</i> , 2002, 19, 318-322.	3.4	18
85	Chandra Detection of a Type II Quasar at $z = 3.288$. <i>Astrophysical Journal</i> , 2002, 568, 71-81.	4.5	126
86	Massive Stars in the Arches Cluster. <i>Astrophysical Journal</i> , 2002, 581, 258-275.	4.5	261
87	Near-IR Spectroscopy and Population Synthesis of Super Star Clusters in NGC 1569. <i>Springer Proceedings in Physics</i> , 2001, , 123-128.	0.2	2
88	Extremely Red Objects in the Field of QSO 1213+0017: A Galaxy Concentration at $z = 1.31$. <i>Astronomical Journal</i> , 2000, 119, 2556-2570.	4.7	35
89	The Nature of the Halo Population of NGC 5128 Resolved with NICMOS on the Hubble Space Telescope. <i>Astronomical Journal</i> , 2000, 120, 1779-1793.	4.7	37
90	NIRSPEC observations of the galactic center. , 2000, , .		2

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91	Performance and results with the NIRSPEC echelle spectrograph on the Keck II telescope. , 2000, 4008, 1048.		122
92	2 Micron Spectroscopy within 0[farcs]3 of Sagittarius A*. Astrophysical Journal, 2000, 533, L49-L52.	4.5	45
93	Observations of $z = 1.44$ Dusty, Ultraluminous Galaxy and Implications for Deep Submillimeter Surveys. Astrophysical Journal, 1999, 519, 610-621.	4.5	151
94	Design and development of NIRSPEC: a near-infrared echelle spectrograph for the Keck II telescope. , 1998, , .		527
95	A Galaxy at $z = 5.34$. Astrophysical Journal, 1998, 498, L93-L97.	4.5	135
96	Morphological Evolution in High-Redshift Radio Galaxies and the Formation of Giant Elliptical Galaxies. Astrophysical Journal, 1998, 502, 614-629.	4.5	103
97	The Planet around 51 Pegasi. Astrophysical Journal, 1997, 481, 926-935.	4.5	175
98	Colors and K -Band Counts of Extremely Faint Field Galaxies,. Astrophysical Journal, 1997, 475, 445-456.	4.5	87
99	Lithium in Brown Dwarf Candidates: The Mass and Age of the Faintest Pleiades Stars. Astrophysical Journal, 1996, 458, 600.	4.5	197
100	The Redshift of an Extremely Red Object and the Nature of the Very Red Galaxy Population. Astrophysical Journal, 1996, 471, 720-725.	4.5	90
101	High-Resolution Infrared Imaging of FSC 10214+4724: Evidence for Gravitational Lensing. Astrophysical Journal, 1995, 449, .	4.5	17
102	Keck observations of the most distant galaxy: 8C 1435+63 at $Z = 4.25$. Astrophysical Journal, 1995, 438, L51.	4.5	58
103	Infrared observations of the $Z = 3.8$ radio galaxy, 4C 41.17, with the W. M. Keck telescope. Astrophysical Journal, 1994, 420, L5.	4.5	41