

Douglas R Gies

List of Publications by Year in descending order

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88
papers

4,170
citations

186265

28
h-index

110387

64
g-index

89
all docs

89
docs citations

89
times ranked

3626
citing authors

#	ARTICLE	IF	CITATIONS
1	A SURVEY OF STELLAR FAMILIES: MULTIPLICITY OF SOLAR-TYPE STARS. <i>Astrophysical Journal, Supplement Series</i> , 2010, 190, 1-42.	7.7	1,399
2	THE HIGH ANGULAR RESOLUTION MULTIPLICITY OF MASSIVE STARS. <i>Astronomical Journal</i> , 2009, 137, 3358-3377.	4.7	471
3	STELLAR DIAMETERS AND TEMPERATURES. II. MAIN-SEQUENCE K- AND M-STARS. <i>Astrophysical Journal</i> , 2012, 757, 112.	4.5	457
4	<i>HST</i>/STIS ULTRAVIOLET SPECTROSCOPY OF THE COMPONENTS OF THE MASSIVE TRIPLE STAR <i>̑</i> ORI A. <i>Astrophysical Journal</i> , 2015, 808, 88.	4.5	196
5	Hubble Space TelescopeGoddard High Resolution Spectrograph Observations of the Be + sdO Binary <i>̑</i> Persei. <i>Astrophysical Journal</i> , 1998, 493, 440-450.	4.5	109
6	Detection of Additional Be+sdO Systems from IUE Spectroscopy. <i>Astrophysical Journal</i> , 2018, 853, 156.	4.5	71
7	Estimating Be Star Disk Radii using H$̑$ Emission Equivalent Widths. <i>Astrophysical Journal</i> , 2006, 651, L53-L56.	4.5	70
8	FAR-ULTRAVIOLET DETECTION OF THE SUSPECTED SUBDWARF COMPANION TO THE Be STAR 59 CYGNI. <i>Astrophysical Journal</i> , 2013, 765, 2.	4.5	69
9	Tomographic separation of composite spectra. 2: The components of 29 UW Canis Majoris. <i>Astrophysical Journal</i> , 1994, 423, 446.	4.5	67
10	High-mass X-ray binaries and the cosmic 21-cm signal: impact of host galaxy absorption. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 1166-1174.	4.4	66
11	Detection of a Hot Subdwarf Companion to the Be Star FY Canis Majoris. <i>Astrophysical Journal</i> , 2008, 686, 1280-1291.	4.5	59
12	ADAPTIVE OPTICS PHOTOMETRY AND ASTROMETRY OF BINARY STARS. III. A FAINT COMPANION SEARCH OF O-STAR SYSTEMS. <i>Astronomical Journal</i> , 2008, 136, 554-565.	4.7	55
13	A Gap in the Lower Main Sequence Revealed by Gaia Data Release 2. <i>Astrophysical Journal Letters</i> , 2018, 861, L11.	8.3	54
14	ORBITS, DISTANCE, AND STELLAR MASSES OF THE MASSIVE TRIPLE STAR <i>̑</i>f ORIONIS. <i>Astronomical Journal</i> , 2016, 152, 213.	4.7	53
15	TIDALLY INDUCED PULSATIONS IN KEPLER ECLIPSING BINARY KIC 3230227. <i>Astrophysical Journal</i> , 2017, 834, 59.	4.5	52
16	Prevalence of SED Turndown among Classical Be Stars: Are All Be Stars Close Binaries?. <i>Astrophysical Journal</i> , 2019, 885, 147.	4.5	52
17	The Detection and Characterization of Be+sdO Binaries from HST/STIS FUV Spectroscopy. <i>Astronomical Journal</i> , 2021, 161, 248.	4.7	49
18	The Solar Neighborhood XLVIII: Nine Giant Planets Orbiting Nearby K Dwarfs, and the CHIRON Spectrograph's Radial Velocity Performance. <i>Astronomical Journal</i> , 2021, 162, 176.	4.7	49

#	ARTICLE	IF	CITATIONS
19	KEPLER ECLIPSING BINARIES WITH DELTA SCUTI/GAMMA DORADUS PULSATING COMPONENTS. I. KIC 9851944. <i>Astrophysical Journal</i> , 2016, 826, 69.	4.5	43
20	Detection of the Ultraviolet Spectrum of the Hot Subdwarf Companion of 60 Cygni (B1 Ve) from a Survey of IUE Spectra of Be Stars. <i>Astrophysical Journal</i> , 2017, 843, 60.	4.5	42
21	THE HOT COMPANION AND CIRCUMBINARY DISK OF THE Be STAR HR 2142. <i>Astrophysical Journal</i> , 2016, 828, 47.	4.5	39
22	Tomographic separation of composite spectra. I - The components of Plaskett's Star. <i>Astrophysical Journal</i> , 1992, 385, 708.	4.5	39
23	Angular Diameters of the G Subdwarf $\hat{1}/4$ Cassiopeiae A and the K Dwarfs $\hat{1}/f$ Draconis and HR 511 from Interferometric Measurements with the CHARA Array. <i>Astrophysical Journal</i> , 2008, 683, 424-432.	4.5	38
24	Tomographic Separation of Composite Spectra. VIII. The Physical Properties of the Massive Compact Binary in the Triple Star System HD 36486 ($\hat{1}$ Orionis A). <i>Astrophysical Journal</i> , 2002, 565, 1216-1230.	4.5	38
25	Tomographic Separation of Composite Spectra. III. Ultraviolet Detection of the Hot Companion of phi Persei. <i>Astrophysical Journal</i> , 1995, 448, 878.	4.5	34
26	Gravity Modes Reveal the Internal Rotation of a Post-mass-transfer Gamma Doradus/Delta Scuti Hybrid Pulsator in Kepler's Eclipsing Binary KIC 9592855. <i>Astrophysical Journal</i> , 2017, 851, 39.	4.5	31
27	The Remarkable Be+sdOB Binary HD 55606. I. Orbital and Stellar Parameters*. <i>Astrophysical Journal</i> , 2018, 865, 76.	4.5	31
28	KIC 8262223: A Post-mass Transfer Eclipsing Binary Consisting of a Delta Scuti Pulsator and a Helium White Dwarf Precursor. <i>Astrophysical Journal</i> , 2017, 837, 114.	4.5	30
29	<i>KEPLER</i> ECLIPSING BINARIES WITH STELLAR COMPANIONS. <i>Astronomical Journal</i> , 2015, 150, 178.	4.7	27
30	Radial Velocities of 41 Kepler Eclipsing Binaries. <i>Astronomical Journal</i> , 2017, 154, 216.	4.7	27
31	DISTANCE-DEPENDENT OFFSETS BETWEEN PARALLAXES FOR NEARBY STARS AND GAIA DR1 PARALLAXES. <i>Astrophysical Journal Letters</i> , 2016, 832, L18.	8.3	26
32	Photospheric Heating in Colliding-Wind Binaries. <i>Astrophysical Journal</i> , 1997, 479, 408-415.	4.5	25
33	ICCD Speckle Observations of Binary Stars. XVIII. An Investigation of Be =. <i>Astronomical Journal</i> , 1997, 114, 2112.	4.7	25
34	Tomographic Separation of Composite Spectra. VII. The Physical Properties of the Massive Triple System HD 135240 ($\hat{1}$ Circini). <i>Astrophysical Journal</i> , 2001, 548, 889-899.	4.5	22
35	Masses and other parameters of massive binaries. Symposium - International Astronomical Union, 2003, 212, 91-100.	0.1	21
36	<i>HST</i>/COS DETECTION OF THE SPECTRUM OF THE SUBDWARF COMPANION OF KOI-81. <i>Astrophysical Journal</i> , 2015, 806, 155.	4.5	20

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37	Interferometric Detections of sdO Companions Orbiting Three Classical Be Stars. <i>Astrophysical Journal</i> , 2022, 926, 213.	4.5	19
38	FUNDAMENTAL PARAMETERS OF KEPLER ECLIPSING BINARIES. I. KIC 5738698. <i>Astronomical Journal</i> , 2016, 151, 139.	4.7	16
39	THE OPTICAL WIND LINE VARIABILITY OF $\hat{\iota}$ -CARINAE DURING THE 2009.0 EVENT. <i>Astronomical Journal</i> , 2015, 150, 109.	4.7	13
40	Spectroscopy, MOST photometry, and interferometry of MWC 314: is it an LBV or an interacting binary?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 244-257.	4.4	12
41	Visual Orbits of Spectroscopic Binaries with the CHARA Array. I. HD 224355. <i>Astronomical Journal</i> , 2019, 157, 140.	4.7	12
42	The Pre-He White Dwarf in the Post-mass Transfer Binary EL CVn. <i>Astronomical Journal</i> , 2020, 159, 4.	4.7	11
43	$\hat{\iota}$ Gem: A Hierarchical Triple System with an Outer Be Star. <i>Astrophysical Journal</i> , 2021, 916, 24.	4.5	11
44	ARMADA. I. Triple Companions Detected in B-type Binaries $\hat{\iota}$ Del and $\hat{\iota}$ Gem. <i>Astronomical Journal</i> , 2021, 161, 40.	4.7	10
45	Angular Sizes and Effective Temperatures of O-type Stars from Optical Interferometry with the CHARA Array. <i>Astrophysical Journal</i> , 2018, 869, 37.	4.5	9
46	Angular Sizes, Radii, and Effective Temperatures of B-type Stars from Optical Interferometry with the CHARA Array. <i>Astrophysical Journal</i> , 2019, 873, 91.	4.5	9
47	Outbursts and stellar properties of the classical Be star HD 6226. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2002-2018.	4.4	9
48	The $H\beta$ Emission Line Variations of HR 6819. <i>Astrophysical Journal Letters</i> , 2020, 898, L44.	8.3	9
49	Recent highlights from The CHARA Array. , 2020, , .		8
50	Spectroscopic Detection of the Pre-White Dwarf Companion of Regulus. <i>Astrophysical Journal</i> , 2020, 902, 25.	4.5	8
51	Identification of New Classical Be Stars from the LAMOST Medium Resolution Survey. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 35.	7.7	8
52	Hubble Space Telescope Imaging of the WR 38/WR 38a Cluster. <i>Astronomical Journal</i> , 2005, 130, 126-133.	4.7	7
53	The Transformative Journey of HD 93521. <i>Astronomical Journal</i> , 2022, 163, 100.	4.7	7
54	Visual Orbits of Spectroscopic Binaries with the CHARA Array. II. The Eclipsing Binary HD 185912. <i>Astronomical Journal</i> , 2019, 158, 218.	4.7	6

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55	A Photometric, Spectroscopic, and Apsidal Motion Analysis of the F-type Eclipsing Binary BW Aquarii from K2 Campaign 3. <i>Astronomical Journal</i> , 2018, 156, 8.	4.7	5
56	Visual Orbits of Spectroscopic Binaries with the CHARA Array. III. HD 8374 and HD 24546. <i>Astronomical Journal</i> , 2020, 160, 58.	4.7	5
57	Long Term Evolution of Surface Features on the Red Supergiant AZ Cyg. <i>Astrophysical Journal</i> , 2021, 919, 124.	4.5	4
58	HST/COS Spectra of the Wind Lines of VFTS 102 and 285. <i>Astrophysical Journal</i> , 2020, 888, 82.	4.5	4
59	A High Angular Resolution Survey of Massive Stars in Cygnus OB2: JHK Adaptive Optics Results from the Gemini Near-Infrared Imager. <i>Astronomical Journal</i> , 2020, 160, 115.	4.7	4
60	Stellar Rotation in Galactic Clusters. Symposium - International Astronomical Union, 2004, 215, 57-66.	0.1	2
61	Spectroscopic Line Modeling of the Fastest Rotating O-type Stars. <i>Astrophysical Journal</i> , 2022, 931, 35.	4.5	2
62	Discrepancies between observational and theoretical parameters for three O-type binaries. Symposium - International Astronomical Union, 1999, 193, 86-87.	0.1	1
63	Glimpses of Be Binary Evolution. International Astronomical Union Colloquium, 2000, 175, 668-680.	0.1	1
64	A YOUNG ECLIPSING BINARY AND ITS LUMINOUS NEIGHBORS IN THE EMBEDDED STAR CLUSTER Sh 2-252E. <i>Astronomical Journal</i> , 2016, 152, 194.	4.7	1
65	Detection of the progenitors of Be X-ray Binaries. Proceedings of the International Astronomical Union, 2018, 14, 143-145.	0.0	1
66	Colliding winds in O-type binaries. Symposium - International Astronomical Union, 1995, 163, 373-381.	0.1	0
67	Short-Term Wind and Photospheric Activity in Be Stars Deduced from Campaigns with the IUE Spacecraft. International Astronomical Union Colloquium, 2000, 175, 372-383.	0.1	0
68	The Massive Close Binary in the $\hat{\gamma}$ Ori A Triple System. International Astronomical Union Colloquium, 2002, 187, 47-52.	0.1	0
69	The Interacting Binary Be Star HR 2142. International Astronomical Union Colloquium, 2002, 187, 149-154.	0.1	0
70	A critical comparison of spectroscopic and evolutionary masses for O-type binary systems. Symposium - International Astronomical Union, 2003, 212, 216-217.	0.1	0
71	A <i>HST</i> imaging survey of a sample of 61 Galactic Wolf-Rayet stars – the WC8-9 subsample. Symposium - International Astronomical Union, 2003, 212, 578-580.	0.1	0
72	Stellar Rotation in the Young Cluster M17. Symposium - International Astronomical Union, 2004, 215, 67-68.	0.1	0

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73	Spectroscopic H α and H β survey of field Be stars: 2004-2008. Proceedings of the International Astronomical Union, 2009, 5, 343-344.	0.0	0
74	Results from a recent stellar rotation census of B stars. Proceedings of the International Astronomical Union, 2010, 6, 89-90.	0.0	0
75	Discussion of Circumstellar environment of active OB stars. Proceedings of the International Astronomical Union, 2010, 6, 378-379.	0.0	0
76	Infrared continuum sizes of Be star disks. Proceedings of the International Astronomical Union, 2010, 6, 390-391.	0.0	0
77	Multi-epoch interferometric observations of the Be star τ Tau. Proceedings of the International Astronomical Union, 2010, 6, 424-425.	0.0	0
78	H α emission variability in the β -ray binary LSI +61 303. Proceedings of the International Astronomical Union, 2010, 6, 525-526.	0.0	0
79	Rotation rates of massive stars in the Magellanic Clouds. Proceedings of the International Astronomical Union, 2010, 6, 38-43.	0.0	0
80	Angular Diameters of O- and B-type Stars. Proceedings of the International Astronomical Union, 2014, 9, 293-294.	0.0	0
81	A Search for Hot Subdwarf Companions to Rapidly-Rotating Early B Stars. Proceedings of the International Astronomical Union, 2014, 9, 131-132.	0.0	0
82	Kepler eclipsing binaries with δ Scuti components and tidally induced heartbeat stars. Proceedings of the International Astronomical Union, 2015, 11, 648-652.	0.0	0
83	Taking the Measure of Massive Stars and their Environments with the CHARA Array Long-baseline Interferometer. Proceedings of the International Astronomical Union, 2016, 12, 156-160.	0.0	0
84	High mass X-ray binaries: Beacons in a stormy universe. Proceedings of the International Astronomical Union, 2018, 14, 489-499.	0.0	0
85	System Parameters for the Eclipsing B-star Binary BD+11 $^{\circ}$ 3569. Astronomical Journal, 2019, 158, 118.	4.7	0
86	arcesetc: ARC Echelle Spectrograph Exposure Time Calculator. Journal of Open Source Software, 2019, 4, 1130.	4.6	0
87	Detection of the Progenitors of Be X-ray Binaries. Proceedings of the International Astronomical Union, 2018, 346, .	0.0	0
88	Mass Transfer as an Explanation for the Lifetime Travel Time Discrepancy in IT Librae. Astronomical Journal, 2022, 163, 177.	4.7	0