Ivan Hubeny

List of Publications by Year
in descending order

194 papers	11,414 citations	36271 51 h-index	31818 101 g-index
195 all docs	195 docs citations	195 times ranked	5446 citing authors

#	Article	IF	Citations
1	Simulation of Stark-broadened Hydrogen Balmer-line Shapes for DA White Dwarf Synthetic Spectra. Astrophysical Journal, 2022, 927, 70.	1.6	8
2	Accurate Metallicities for Very Metal-poor Stars from the Ca ii Infrared Triplet. Astrophysical Journal, 2022, 928, 173.	1.6	3
3	How Do Spitzer IRAC Fluxes Compare to HST CALSPEC?. Astronomical Journal, 2022, 164, 10.	1.9	2
4	An improved model for the spectra of discs of nova-like variables. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5534-5544.	1.6	4
5	All-Order Full-Coulomb Quantum Spectral Line-Shape Calculations. Physical Review Letters, 2021, 127, 235001.	2.9	13
6	Hâ€“He collision-induced satellite in the LymanÂÎ± profile of DBA white dwarf stars. Monthly Notices of the Royal Astronomical Society, 2020, 494, 868-875.	1.6	6
7	NLTE for APOGEE: simultaneous multi-element NLTE radiative transfer. Astronomy and Astrophysics, 2020, 637, A80.	2.1	37
8	New Grids of Pure-hydrogen White Dwarf NLTE Model Atmospheres and the HST/STIS Flux Calibration. Astronomical Journal, 2020, 160, 21.	1.9	50
9	Subpercent Photometry: Faint DA White Dwarf Spectrophotometric Standards for Astrophysical Observatories. Astrophysical Journal, Supplement Series, 2019, 241, 20.	3.0	26
10	Photometry and Spectroscopy of Faint Candidate Spectrophotometric Standard DA White Dwarfs. Astrophysical Journal, 2019, 872, 199.	1.6	8
11	Massâ€“Metallicity Trends in Transiting Exoplanets from Atmospheric Abundances of H₂O, Na, and K. Astrophysical Journal Letters, 2019, 887, L20.	3.0	125
12	The Validity of 21 cm Spin Temperature as a Kinetic Temperature Indicator in Atomic and Molecular Gas. Astrophysical Journal, 2017, 843, 149.	1.6	8
13	A Grid of Synthetic Spectra for Hot DA White Dwarfs and Its Application in Stellar Population Synthesis. Astrophysical Journal, Supplement Series, 2017, 231, 1.	3.0	18
14	Effective temperatures of cataclysmic-variable white dwarfs as a probe of their evolution. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2855-2878.	1.6	69
15	Model atmospheres of sub-stellar mass objects. Monthly Notices of the Royal Astronomical Society, 2017, 469, 841-869.	1.6	45
16	Modelling ultraviolet-line diagnostics of stars, the ionized and the neutral interstellar medium in star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 470, 3532-3556.	1.6	52
17	SPECTROSCOPY FROM THE HUBBLE SPACE TELESCOPE COSMIC ORIGINS SPECTROGRAPHÂ OF THE SOUTHERN NOVA-LIKE BB DORADUS IN AN INTERMEDIATE STATE. Astrophysical Journal, 2016, 833, 146.	1.6	4
18	GW Librae: a unique laboratory for pulsations in an accreting white dwarf. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3929-3938.	1.6	15

#	Article	IF	Citations
19	Tables of phase functions, opacities, albedos, equilibrium temperatures, and radiative accelerations of dust grains in exoplanets. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2-27.	1.6	45
20	Assessment of the gray M1 model in the case of a laboratory radiative shock simulation. High Energy Density Physics, 2015, 17, 98-105.	0.4	0
21	Evidence for an external origin of heavy elements in hot DA white dwarfs. Monthly Notices of the Royal Astronomical Society, 2014, 440, 1607-1625.	1.6	56
22	BINARY STAR SYNTHETIC PHOTOMETRY AND DISTANCE DETERMINATION USING BINSYN. Astronomical Journal, 2013, 146, 68.	1.9	5
23	DIVISION IV: COMMISSION 36: THEORY OF STELLAR ATMOSPHERES. Proceedings of the International Astronomical Union, 2013, 10, 124-125.	0.0	0
24	3D modeling of accretion shocks in young stellar objects : Simulation of laboratory experiments. EAS Publications Series, 2012, 58, 149-154.	0.3	0
25	AN ONLINE CATALOG OF CATACLYSMIC VARIABLE SPECTRA FROM THEFAR-ULTRAVIOLET SPECTROSCOPIC EXPLORER. Astrophysical Journal, Supplement Series, 2012, 203, 29.	3.0	23
26	FLASH MIXING ON THE WHITE DWARF COOLING CURVE: SPECTROSCOPIC CONFIRMATION IN NGC 2808. Astrophysical Journal, 2012, 748, 85.	1.6	22
27	BINSYN: A Publicly Available Program for Simulating Spectra and Light Curves of Binary Systems with or without Accretion Disks. Publications of the Astronomical Society of the Pacific, 2012, 124, 885-894.	1.0	10
28	The distribution of metals in hot DA white dwarfs. Monthly Notices of the Royal Astronomical Society, 2012, 421, 3222-3228.	1.6	8
29	Basic Tools for Modeling Stellar and Planetary Atmospheres. Proceedings of the International Astronomical Union, 2011, 7, 221-228.	0.0	3
30	Day-Night Side Cooling of a Strongly Irradiated Giant Planet. Proceedings of the International Astronomical Union, 2011, 7, 486-489.	0.0	0
31	Panel Discussion I. Proceedings of the International Astronomical Union, 2011, 7, 145-152.	0.0	0
32	Panel Discussion III. Proceedings of the International Astronomical Union, 2011, 7, 501-506.	0.0	0
33	Panel Discussion IV. Proceedings of the International Astronomical Union, 2011, 7, 551-553.	0.0	0
34	A METHOD FOR THE STUDY OF ACCRETION DISK EMISSION IN CATACLYSMIC VARIABLES. I. THE MODEL. Astrophysical Journal, 2011, 736, 17.	1.6	15
35	THE ANOMALOUS ACCRETION DISK OF THE CATACLYSMIC VARIABLE RW SEXTANTIS. Astrophysical Journal, 2010, 719, 271-286.	1.6	23
36	THE BLUE HOOK POPULATIONS OF MASSIVE GLOBULAR CLUSTERS. Astrophysical Journal, 2010, 718, 1332-1344.	1.6	39

#	Article	IF	Citations
37	Theory and modeling of stellar atmospheres. , 2010, , .		0
38	V3885 SAGITTARIUS: A COMPARISON WITH A RANGE OF STANDARD MODEL ACCRETION DISKS. Astrophysical Journal, 2009, 703, 1839-1850.	1.6	18
39	A new detailed examination of white dwarfs in NGC 3532 and NGC 2287. Monthly Notices of the Royal Astronomical Society, 2009, 395, 2248-2256.	1.6	46
40	New faint optical spectrophotometric standards: hot white dwarfs from the Sloan Digital Sky Survey. Monthly Notices of the Royal Astronomical Society, 2009, 396, 759-771.	1.6	15
41	From Complete Linearization to ALI and Beyond. , 2009, , .		1
42	Spectrum and atmosphere models of irradiated transiting giant planets. Proceedings of the International Astronomical Union, 2008, 4, 239-245.	0.0	1
43	Theoretical Spectra and Light Curves of Closeâ€in Extrasolar Giant Planets and Comparison with Data. Astrophysical Journal, 2008, 678, 1436-1457.	1.6	256
44	Hubble Space TelescopeSTIS Spectroscopy of Longâ€Period Dwarf Novae in Quiescence. Astrophysical Journal, 2008, 681, 543-553.	1.6	24
45	Argon Abundances in the Solar Neighborhood: Nonâ€LTE Analysis of Orion Association Bâ€Type Stars1. Astrophysical Journal, 2008, 678, 1342-1350.	1.6	31
46	Modeling UX Ursae Majoris: An Abundance of Challenges. Astrophysical Journal, 2008, 688, 568-582.	1.6	16
47	Synthetic Spectrum Constraints on a Model of the Cataclysmic Variable QU Carinae. Astrophysical Journal, 2008, 676, 1226-1239.	1.6	14
48	A Far Ultraviolet Archival Study of Cataclysmic Variables. I.FUSEandHSTSTIS Spectra of the Exposed White Dwarf in Dwarf Nova Systems. Astrophysical Journal, 2008, 679, 1447-1466.	1.6	21
49	Optical Albedo Theory of Strongly Irradiated Giant Planets: The Case of HD 209458b. Astrophysical Journal, 2008, 682, 1277-1282.	1.6	88
50	A Grid of NLTE Lineâ€blanketed Model Atmospheres of Early Bâ€Type Stars. Astrophysical Journal, Supplement Series, 2007, 169, 83-104.	3.0	498
51	A Statistical Study of Accretion Disk Model Spectra for Cataclysmic Variables. Astronomical Journal, 2007, 134, 1923-1933.	1.9	42
52	A Systematic Study of Departures from Chemical Equilibrium in the Atmospheres of Substellar Mass Objects. Astrophysical Journal, 2007, 669, 1248-1261.	1.6	130
53	An Illustration of Modeling Cataclysmic Variables:HST,FUSE, and SDSS Spectra of SDSS J080908.39+381406.2. Astrophysical Journal, 2007, 654, 1036-1051.	1.6	10
54	Theoretical Spectral Models of the Planet HD 209458b with a Thermal Inversion and Water Emission Bands. Astrophysical Journal, 2007, 668, L171-L174.	1.6	225

#	Article	IF	Citations
55	A Mass Function Constraint on Extrasolar Giant Planet Evaporation Rates. Astrophysical Journal, 2007, 658, L59-L62.	1.6	34
56	Effects of mass loss for highly-irradiated giant planets. Icarus, 2007, 187, 358-364.	1.1	89
57	A New Algorithm for Twoâ€Dimensional Transport for Astrophysical Simulations. I. General Formulation and Tests for the Oneâ€Dimensional Spherical Case. Astrophysical Journal, 2007, 659, 1458-1487.	1.6	42
58	Possible Solutions to the Radius Anomalies of Transiting Giant Planets. Astrophysical Journal, 2007, 661, 502-514.	1.6	341
59	A Synthetic Spectrum and Lightâ€Curve Analysis of the Cataclysmic Variable IX Velorum. Astrophysical Journal, 2007, 662, 1204-1219.	1.6	26
60	Fundamental Properties of Oâ€Type Stars. Astrophysical Journal, 2006, 638, 409-432.	1.6	74
61	Neon Abundances in B Stars of the Orion Association: Solving the Solar Model Problem?. Astrophysical Journal, 2006, 647, L143-L146.	1.6	98
62	Professor Mirek J. Plavec. Proceedings of the International Astronomical Union, 2006, 2, 17-27.	0.0	0
63	FUSEandHSTSTIS Farâ€Ultraviolet Observations of AM Herculis in an Extended Low State. Astrophysical Journal, 2006, 639, 1039-1052.	1.6	50
64	Theory for the Secondary Eclipse Fluxes, Spectra, Atmospheres, and Light Curves of Transiting Extrasolar Giant Planets. Astrophysical Journal, 2006, 650, 1140-1149.	1.6	143
65	L and T Dwarf Models and the L to T Transition. Astrophysical Journal, 2006, 640, 1063-1077.	1.6	318
66	New Praesepe white dwarfs and the initial massâ€“final mass relation. Monthly Notices of the Royal Astronomical Society, 2006, 369, 383-389.	1.6	84
67	A Grid of Relativistic, Nonâ€LTE Accretion Disk Models for Spectral Fitting of Black Hole Binaries. Astrophysical Journal, Supplement Series, 2006, 164, 530-535.	3.0	118
68	A Theoretical Interpretation of the Measurements of the Secondary Eclipses of TrES-1 and HD 209458b. Astrophysical Journal, 2005, 625, L135-L138.	1.6	86
69	Relativistic Accretion Disk Models of Highâ€State Black Hole Xâ€Ray Binary Spectra. Astrophysical Journal, 2005, 621, 372-387.	1.6	213
70	Nonâ€LTE Model Atmosphere Analysis of the Large Magellanic Cloud Supersoft Xâ€Ray Source CAL 83. Astrophysical Journal, 2005, 619, 517-526.	1.6	45
71	A Study of the Nearâ€Ultraviolet Spectrum of Vega. Astrophysical Journal, 2005, 623, 460-471.	1.6	14
72	MV Lyrae in Low, Intermediate, and High States. Astrophysical Journal, 2005, 624, 923-933.	1.6	33

#	Article	IF	Citations
73	Commission 29: Stellar Spectra. Proceedings of the International Astronomical Union, 2005, 1, 203-204.	0.0	0
74	Quasars and the Big Blue Bump. Astrophysical Journal, 2005, 619, 41-59.	1.6	127
75	Nonâ€LTE Spectra of Accretion Disks around Intermediateâ€Mass Black Holes. Astrophysical Journal, 2005, 625, 913-922.	1.6	25
76	A near-infrared spectroscopic search for very-low-mass cool companions to notable DA white dwarfs. Monthly Notices of the Royal Astronomical Society, 2005, 357, 1049-1058.	1.6	40
77	Hubble Space Telescope spectroscopy of the Balmer lines in Sirius Bâ˜…. Monthly Notices of the Royal Astronomical Society, 2005, 362, 1134-1142.	1.6	98
78	High-resolution extreme ultraviolet spectroscopy of G191-B2B: structure of the stellar photosphere and the surrounding interstellar medium. Monthly Notices of the Royal Astronomical Society, 2005, 362, 1273-1278.	1.6	11
79	Heavy element abundances in DAO white dwarfs measured from FUSE data. Monthly Notices of the Royal Astronomical Society, 2005, 363, 183-196.	1.6	14
80	Photospheric phosphorus in theFUSEspectra of GD71 and two similar DA white dwarfs. Monthly Notices of the Royal Astronomical Society, 2005, 363, 763-768.	1.6	7
81	Phase Functions and Light Curves of Wideâ€Separation Extrasolar Giant Planets. Astrophysical Journal, 2005, 627, 520-533.	1.6	81
82	X-Ray Heated Accretion Discs Around Stellar Mass Black Holes. International Astronomical Union Colloquium, 2004, 194, 200-201.	0.1	0
83	Praesepe and the seven white dwarfs. Monthly Notices of the Royal Astronomical Society, 2004, 355, L39-L43.	1.6	30
84	Evidence for Flash Mixing in He-rich sdB Stars. Astrophysics and Space Science, 2004, 291, 367-370.	0.5	4
85	Spectra and Diagnostics for the Direct Detection of Wideâ€Separation Extrasolar Giant Planets. Astrophysical Journal, 2004, 609, 407-416.	1.6	104
86	The Hot White Dwarf in the Cataclysmic Variable MV Lyrae. Astrophysical Journal, 2004, 604, 346-356.	1.6	43
87	Theoretical Radii of Transiting Giant Planets: The Case of OGLE-TR-56b. Astrophysical Journal, 2004, 610, L53-L56.	1.6	72
88	Far Ultraviolet Spectroscopic Explorer Observations of G226-29: First Detection of the H 2 Quasi-molecular Satellite at 1150. Astrophysical Journal, 2004, 601, L183-L186.	1.6	15
89	Flash Mixing on the White Dwarf Cooling Curve:Far Ultraviolet Spectroscopic ExplorerObservations of Three Heâ€rich sdB Stars. Astrophysical Journal, 2004, 602, 342-355.	1.6	65
90	Heavy-element abundance patterns in hot DA white dwarfs. Monthly Notices of the Royal Astronomical Society, 2003, 341, 870-890.	1.6	56

#	Article	IF	Citations
91	A comparison of DA white dwarf temperatures and gravities from FUSE Lyman line and ground-based Balmer line observations. Monthly Notices of the Royal Astronomical Society, 2003, 344, 562-574.	1.6	40
92	Nonâ€LTE Model Atmospheres for Lateâ€Type Stars. I. A Collection of Data for Light Neutral and Singly Ionized Atoms. Astrophysical Journal, Supplement Series, 2003, 147, 363-368.	3.0	41
93	Anomalous Ultraviolet Line Flux Ratios in the Cataclysmic Variables 1RXS J232953.9+062814, CE 315, BZ Ursae Majoris, and EY Cygni, Observed with theHubble Space TelescopeSpace Telescope Imaging Spectrograph. Astrophysical Journal, 2003, 594, 443-448.	1.6	101
94	Nonâ€LTE Model Atmospheres for Lateâ€Type Stars. II. Restricted Nonâ€LTE Calculations for a Solarâ€like Atmosphere. Astrophysical Journal, 2003, 591, 1192-1202.	1.6	26
95	Quantitative Spectroscopy of O Stars at Low Metallicity: O Dwarfs in NGC 346. Astrophysical Journal, 2003, 595, 1182-1205.	1.6	224
96	A Grid of Nonâ€LTE Lineâ€blanketed Model Atmospheres of Oâ€Type Stars. Astrophysical Journal, Supplement Series, 2003, 146, 417-441.	3.0	550
97	On the Indirect Detection of Sodium in the Atmosphere of the Planetary Companion to HD 209458. Astrophysical Journal, 2003, 589, 615-622.	1.6	128
98	A Possible Bifurcation in Atmospheres of Strongly Irradiated Stars and Planets. Astrophysical Journal, 2003, 594, 1011-1018.	1.6	364
99	Theoretical Spectra and Atmospheres of Extrasolar Giant Planets. Astrophysical Journal, 2003, 588, 1121-1148.	1.6	266
100	A Tale of Two Stars: The Extreme O7 Iaf+ Supergiant AV 83 and the OC7.5 III((f)) star AV 69. Astrophysical Journal, 2003, 588, 1039-1063.	1.6	153
101	Multidimensional Nonâ€LTE Radiative Transfer. I. A Universal Twoâ€dimensional Shortâ€Characteristics Scheme for Cartesian, Spherical, and Cylindrical Coordinate Systems. Astrophysical Journal, 2002, 568, 1066-1094.	1.6	42
102	Theoretical Spectral Models of T Dwarfs at Short Wavelengths and Their Comparison with Data. Astrophysical Journal, 2002, 573, 394-417.	1.6	95
103	FUSEobservations of PG1342444: new insights into the nature of the hottest DA white dwarfs. Monthly Notices of the Royal Astronomical Society, 2002, 330, 425-434.	1.6	11
104	Isolating Clusters with Wolf-Rayet Stars in I Z[CLC]w[/CLC] 18. Astrophysical Journal, 2002, 579, L75-L78.	1.6	30
105	Nonâ€LTE Models and Theoretical Spectra of Accretion Disks in Active Galactic Nuclei. IV. Effects of Compton Scattering and Metal Opacities. Astrophysical Journal, 2001, 559, 680-702.	1.6	139
106	Flash Mixing on the White Dwarf Cooling Curve: Understanding Hot Horizontal Branch Anomalies in NGC 2808. Astrophysical Journal, 2001, 562, 368-393.	1.6	163
107	[ITAL]Hubble Space Telescope[/ITAL] STIS Spectroscopy of VW Hydri during Early Quiescence following a Superoutburst. Astrophysical Journal, 2001, 561, L127-L130.	1.6	22
108	Far-ultraviolet spectroscopy of the hot DA white dwarf WD 2218+706 (DeHt5) with STIS. Monthly Notices of the Royal Astronomical Society, 2001, 325, 1149-1156.	1.6	16

#	Article	IF	Citations
109	A comparison of DA white dwarf temperatures and gravities from Lyman and Balmer line studies. Monthly Notices of the Royal Astronomical Society, 2001, 328, 211-222.	1.6	20
110	Properties of the z = 2.73 galaxy, MS1512-cB58. Astrophysics and Space Science, 2001, 277, 263-266.	0.5	2
111	Nonâ€LTE, Relativistic Accretion Disk Fits to 3C 273 and the Origin of the Lyman Limit Spectral Break. Astrophysical Journal, 2001, 563, 560-568.	1.6	34
112	On the Age Estimation of LBDS 53W091. Astrophysical Journal, 2000, 533, 670-681.	1.6	37
113	Nonâ€LTE Models and Theoretical Spectra of Accretion Disks in Active Galactic Nuclei. III. Integrated Spectra for Hydrogenâ€Helium Disks. Astrophysical Journal, 2000, 533, 710-728.	1.6	122
114	The discovery of photospheric nickel in the hot DO white dwarf REJ 0503-289. Monthly Notices of the Royal Astronomical Society, 2000, 314, 109-122.	1.6	7
115	Commission 36: Theory of Stellar Atmospheres: (Theorie des Atmospheres Stellaires). Transactions of the International Astronomical Union, 2000, 24, 219-230.	0.1	0
116	Space Telescope Imaging Spectrograph Coronagraphic Observations of Î² Pictoris. Astrophysical Journal, 2000, 539, 435-444.	1.6	182
117	STIS Observations of HeiiGunnâ€Peterson Absorption toward Q0302â˜’003. Astrophysical Journal, 2000, 534, 69-89.	1.6	122
118	Temporal Variations of the White Dwarf and Disk in OY Carinae Following the 1992 Superoutburst. Astrophysical Journal, 2000, 542, 1064-1070.	1.6	2
119	Evidence for the stratification of Fe in the photosphere of G191 B2B. Monthly Notices of the Royal Astronomical Society, 1999, 307, 884-894.	1.6	31
120	The D/H Ratio in Interstellar Gas toward G191-B2B. Astrophysical Journal, 1999, 523, L159-L163.	1.6	35
121	RXTE,ROSAT,EUVE,IUE, and Optical Observations through the 45 Day Supercycle of V1159 Orionis. Astrophysical Journal, 1999, 521, 362-375.	1.6	13
122	Farâ€Ultraviolet Space Telescope Imaging Spectrograph Spectra of the White Dwarf REJ 1032+532. II. Stellar Spectrum. Astrophysical Journal, 1999, 517, 850-858.	1.6	17
123	The Eclipsing Cataclysmic Variable V347 Puppis Revisited. Astrophysical Journal, 1999, 523, 786-796.	1.6	12
124	An alternative explanation of the EUV spectrum of the white dwarf G191-B2B invoking a stratified H+He envelope including heavier elements. Monthly Notices of the Royal Astronomical Society, 1998, 299, 379-388.	1.6	12
125	The effect of photospheric heavy elements on the hot DA white dwarf temperature scale. Monthly Notices of the Royal Astronomical Society, 1998, 299, 520-534.	1.6	45
126	HST spatially resolved spectra of the accretion disc and gas stream of the nova-like variable UX Ursae Majoris. Monthly Notices of the Royal Astronomical Society, 1998, 298, 1079-1091.	1.6	25

#	Article	IF	Citations
127	Nonâ€LTE Models and Theoretical Spectra of Accretion Disks in Active Galactic Nuclei. II. Vertical Structure of the Disk. Astrophysical Journal, 1998, 505, 558-576.	1.6	64
128	New Light Synthesis and Spectrum Synthesis Constraints on a Model for Î² Lyrae. Astrophysical Journal, 1998, 509, 379-391.	1.6	13
129	An Empirical Isochrone of Very Massive Stars in R136a. Astrophysical Journal, 1998, 509, 879-896.	1.6	66
130	A Photometric and Spectrophotometric Study of MR Cygni. Astrophysical Journal, 1998, 494, 773-782.	1.6	9
131	Hubble Space TelescopeEclipse Observations of the Novaâ€like Cataclysmic Variable UX Ursae Majoris. Astrophysical Journal, 1998, 499, 414-428.	1.6	36
132	Detailed Midâ€and Farâ€Ultraviolet Model Spectra for Accretion Disks in Cataclysmic Binaries. Astrophysical Journal, 1998, 509, 350-361.	1.6	103
133	Interstellar and photospheric opacity from EUV spectroscopy of DA white dwarfs. Monthly Notices of the Royal Astronomical Society, 1997, 286, 58-76.	1.6	51
134	O Stars in Transition. II. Fundamental Properties and Evolutionary Status of Ofpe/WN9 Stars fromHSTUltraviolet Observations. Astrophysical Journal, 1997, 478, 340-357.	1.6	48
135	Hubble Space TelescopeGHRS Spectroscopy of U Geminorum during Two Outbursts. Astrophysical Journal, 1997, 483, 907-912.	1.6	10
136	Nonâ€LTE Lineâ€blanketed Model Atmospheres of Hot Stars. III. Hot Subdwarfs: The sdO Star BD +75o325. Astrophysical Journal, 1997, 485, 843-858.	1.6	24
137	Evidence of a Thermonuclear Runaway and Proton-Capture Material on a White Dwarf in a Dwarf Nova. Astrophysical Journal, 1997, 480, L17-L20.	1.6	44
138	On the Evolutionary Phase and Mass Loss of the Wolfâ€Rayetâ€“like Stars in R136a. Astrophysical Journal, 1997, 477, 792-816.	1.6	133
139	Dynamic Processes in Be Star Atmospheres. V. Helium Line Emissions from the Outer Atmosphere of Î» Eridani. Astrophysical Journal, 1997, 481, 467-478.	1.6	13
140	Hubble Space TelescopeUltraviolet Spectroscopy of Two Hot White Dwarfs. Astrophysical Journal, 1997, 484, 871-878.	1.6	16
141	Non-LTE Models and Theoretical Spectra of Accretion Disks in Active Galactic Nuclei. Astrophysical Journal, 1997, 484, L37-L40.	1.6	43
142	The Composition and Structure of White Dwarf Atmospheres Revealed by Extreme Ultraviolet Spectroscopy. International Astronomical Union Colloquium, 1996, 152, 203-210.	0.1	1
143	Model Spectra for Accretion Disks Truncated at the Inner Edge. International Astronomical Union Colloquium, 1996, 152, 355-359.	0.1	0
144	EUV Radiation from Hot Star Photospheres: Theory Versus Observations. International Astronomical Union Colloquium, 1996, 152, 381-388.	0.1	0

#	Article	IF	Citations
145	Spectrally Resolved Maps of Optically Thick Accretion Disks. International Astronomical Union Colloquium, 1996, 158, 17-20.	0.1	0
146	A Quantitative Study of Limb Darkening in Accretion Disks. International Astronomical Union Colloquium, 1996, 158, 123-124.	0.1	0
147	A Selfâ€consistent Optical, Ultraviolet, and Extremeâ€Ultraviolet Model for the Spectrum of the Hot White Dwarf G191â€B2B. Astrophysical Journal, 1996, 473, 1089-1093.	1.6	42
148	Solving the mystery of the heavy-element opacity in the DA white dwarf GD394. Monthly Notices of the Royal Astronomical Society, 1996, 279, 1120-1136.	1.6	22
149	The Accretion Disk (Belt?) During the Quiescence of VW Hydri. Astronomical Journal, 1996, 111, 2386.	1.9	13
150	Hubble Space Telescope/FOS Spectroscopy of VW Hydri in Superoutburst. Astrophysical Journal, 1996, 458, 355.	1.6	23
151	Ultraviolet Limb Darkening and Spectra for Accretion Disks in Cataclysmic Variables. Astrophysical Journal, 1996, 459, 236.	1.6	26
152	EE Pegasi Revisited: A Spectrum Synthesis and New Light Synthesis Study. Astrophysical Journal, 1996, 459, 721.	1.6	9
153	EUVE Spectroscopy of beta Canis Majoris (B1 II–III) from 500 Angstrom to 700 Angstrom. Astrophysical Journal, 1996, 460, 949.	1.6	34
154	Toward Resolving the `Mass Discrepancy'' in O-Type Stars. Astrophysical Journal, 1996, 465, 359.	1.6	19
155	Observations of the Dwarf Nova VW Hydri in Quiescence with the Hopkins Ultraviolet Telescope. Astrophysical Journal, 1996, 466, 964.	1.6	9
156	HST/GHRS Observations of the beta Pictoris System. II. Exploring the Potential for Tracking Comet-like Objects Orbiting the Star. Astrophysical Journal, 1996, 470, 1144.	1.6	21
157	A Spectrum Synthesis and Light Synthesis Program for Binary Stars with Optically Thick Accretion Disks. Astrophysical Journal, 1996, 471, 958-966.	1.6	45
158	The Cooling White Dwarf in VW Hydri after Normal Outburst and Superoutburst: [ITAL]HST[/ITAL] Evidence of A Sustained Accretion Belt. Astrophysical Journal, 1996, 471, L41-L44.	1.6	48
159	Hydrogen Line Profiles. Highlights of Astronomy, 1995, 10, 411-414.	0.0	1
160	EUVE spectroscopy of epsilon Canis Majoris (B2 II) from 70 to 730 A. Astrophysical Journal, 1995, 438, 932.	1.6	65
161	Non-LTE line-blanketed model atmospheres of hot stars. 1: Hybrid complete linearization/accelerated lambda iteration method. Astrophysical Journal, 1995, 439, 875.	1.6	985
162	Non-LTE line-blanketed model atmospheres of hot stars. 2: Hot, metal-rich white dwarfs. Astrophysical Journal, 1995, 439, 905.	1.6	75

#	Article	IF	Citations
163	Hubble Space Telescope FOS spectroscopy of the ultrashort-period dwarf nova WZ Sagittae: The underlying degenerate. Astrophysical Journal, 1995, 439, 957.	1.6	42
164	Partial Redistribution in Multilevel Atoms. I. Method and Application to the Solar Hydrogen Line Formation. Astrophysical Journal, 1995, 455, 376.	1.6	36
165	HST eclipse mapping of dwarf nova OY Carinae in quiescence: an 'Fe II curtain' with Mach approx. = 6 velocity dispersion veils the white dwarf. Astrophysical Journal, 1994, 426, 294.	1.6	95
166	Observations of the bright novalike variable IX Velorum with the Hopkins Ultraviolet Telescope. Astrophysical Journal, 1994, 426, 704.	1.6	49
167	Dynamic processes in Be star atmospheres. 2: He I 2P-nD line formation in lambda Eridani (outburst). Astrophysical Journal, 1994, 432, 392.	1.6	14
168	A spectrum synthesis program for binary stars. Astrophysical Journal, 1994, 434, 738.	1.6	24
169	The discovery of NI V in the photospheres of the hot DA white dwarfs RE 2214-492 and G191-B2B. Astrophysical Journal, 1994, 425, L105.	1.6	36
170	GHRS Spectroscopy of individual stars in R136a. Astrophysical Journal, 1994, 435, L39.	1.6	15
171	Theoretical modeling of GHRS observations of the Of/WN-type star R136a5. Astrophysical Journal, 1994, 435, L71.	1.6	4
172	Spectral Diagnoses of Chromospheres and Winds in A-Type Stars. International Astronomical Union Colloquium, 1993, 138, 517-527.	0.1	2
173	Modeling A-Type Atmospheres: NLTE Models. International Astronomical Union Colloquium, 1993, 138, 98-112.	0.1	0
174	Observations of the white dwarf in the U Geminorum system with the Hopkins Ultraviolet Telescope. Astrophysical Journal, 1993, 405, 327.	1.6	40
175	Detection of high-degree nonradial pulsations in Gamma Bootis. Publications of the Astronomical Society of the Pacific, 1992, 104, 15.	1.0	7
176	Can a disk model explain Beta Lyrae?. Astronomical Journal, 1991, 102, 1156.	1.9	32
177	A nonradial pulsation model for the rapidly rotating Delta Scuti star Kappa(2) Bootis. Publications of the Astronomical Society of the Pacific, 1991, 103, 1250.	1.0	4
178	Non-LTE analysis of the Ofpe/WN9 star HDE 269227 (R84). Astrophysical Journal, 1991, 372, 664.	1.6	33
179	First results from the Goddard High-Resolution Spectrograph - Spectroscopic determination of stellar parameters of Melnick 42, an O3f star in the Large Magellanic Cloud. Astrophysical Journal, 1991, 377, L29.	1.6	14
180	First results from the Goddard High-Resolution Spectrograph - Evidence for photospheric microturbulence in early O stars - Are surface gravities systematically underestimated?. Astrophysical Journal, 1991, 377, L33.	1.6	16

#	Article	IF	Citations
181	Vertical structure of accretion disks - A simplified analytical model. Astrophysical Journal, 1990, 351, 632.	1.6	245
182	Stringent limits on the ionized mass loss from A and F dwarfs. Astrophysical Journal, 1990, 361, 220.	1.6	25
183	Theoretical Modelling of Algol Disks. International Astronomical Union Colloquium, 1989, 107, 117-126.	0.1	0
184	On the interpretation of emission wings of balmer lines in LBVâ€™s. International Astronomical Union Colloquium, 1989, 113, 283-284.	0.1	0
185	On the interpretation of emission wings of Balmer lines in luminous blue variables. Publications of the Astronomical Society of the Pacific, 1989, 101, 114.	1.0	2
186	Approximate formulation of redistribution in the Ly-alpha, Ly-beta, H-alpha system. Astrophysical Journal, 1989, 344, 949.	1.6	9
187	A computer program for calculating non-LTE model stellar atmospheres. Computer Physics Communications, 1988, 52, 103-132.	3.0	537
188	Scattering of polarized light in spectral lines with partial frequency redistribution - General redistribution matrix. Astrophysical Journal, 1988, 334, 527.	1.6	54
189	Absorption and emission line profile coefficients of multilevel atomsâ€”IV. Velocity-averaged generalized redistribution functions for three-photon processes. Journal of Quantitative Spectroscopy and Radiative Transfer, 1987, 37, 397-406.	1.1	1
190	Absorption and emission line profile coefficients of multilevel atomsâ€”III. Generalized atomic redistribution functions for three-photon processes. Journal of Quantitative Spectroscopy and Radiative Transfer, 1987, 37, 65-80.	1.1	2
191	Redistribution of radiation in the presence of velocity-changing collisions. Astrophysical Journal, 1986, 305, 852.	1.6	8
192	The far-ultraviolet energy distribution of Sirius B from Voyager 2. Astrophysical Journal, 1984, 280, 679.	1.6	10
193	Absorption and emission line profile coefficients of multilevel atomsâ€”II. Velocity-averaged profile coefficients. Journal of Quantitative Spectroscopy and Radiative Transfer, 1983, 29, 495-506.	1.1	20
194	WD 1145+017: Alternative models of the atmosphere, dust clouds, and gas rings. Astronomy and Astrophysics, 0, , .	2.1	2