

John C Raymond

List of Publications by Year in descending order

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274
papers

15,273
citations

19657

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20961

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278
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278
times ranked

6859
citing authors

#	ARTICLE	IF	CITATIONS
1	Collisional Plasma Models with APEC/APED: Emission-Line Diagnostics of Hydrogen-like and Helium-like Ions. <i>Astrophysical Journal</i> , 2001, 556, L91-L95.	4.5	1,609
2	Iron ionization and recombination rates and ionization equilibrium. <i>Astrophysical Journal</i> , 1992, 398, 394.	4.5	605
3	Radiative cooling of a low-density plasma. <i>Astrophysical Journal</i> , 1976, 204, 290.	4.5	448
4	Radiative bow shock models of Herbig-Haro objects. <i>Astrophysical Journal</i> , 1987, 316, 323.	4.5	419
5	The Ultraviolet Coronagraph Spectrometer for the solar and heliospheric observatory. <i>Solar Physics</i> , 1995, 162, 313-356.	2.5	397
6	UVCS/[ITAL]SOHO[/ITAL] Empirical Determinations of Anisotropic Velocity Distributions in the Solar Corona. <i>Astrophysical Journal</i> , 1998, 501, L127-L131.	4.5	396
7	First Results from the Soho Ultraviolet Coronagraph Spectrometer. <i>Solar Physics</i> , 1997, 175, 613-644.	2.5	348
8	Direct Observations of the Magnetic Reconnection Site of an Eruption on 2003 November 18. <i>Astrophysical Journal</i> , 2005, 622, 1251-1264.	4.5	272
9	Shock waves in the interstellar medium. <i>Astrophysical Journal</i> , Supplement Series, 1979, 39, 1.	7.7	259
10	Composition of Coronal Streamers from the SOHO Ultraviolet Coronagraph Spectrometer. <i>Solar Physics</i> , 1997, 175, 645-665.	2.5	248
11	The Expansion Asymmetry and Age of the Cassiopeia A Supernova Remnant. <i>Astrophysical Journal</i> , 2006, 645, 283-292.	4.5	238
12	The optical emission from a fast shock wave with application to supernova remnants. <i>Astrophysical Journal</i> , 1980, 235, 186.	4.5	234
13	The magnetic nature of disk accretion onto black holes. <i>Nature</i> , 2006, 441, 953-955.	27.8	225
14	Dynamical and Physical Properties of a Post-Coronal Mass Ejection Current Sheet. <i>Astrophysical Journal</i> , 2003, 594, 1068-1084.	4.5	204
15	Optical emission from a fast shock wave - The remnants of Tycho's supernova and SN 1006. <i>Astrophysical Journal</i> , 1978, 225, L27.	4.5	180
16	Balmer-dominated Spectra of Nonradiative Shocks in the Cygnus Loop, RCW 86, and Tycho Supernova Remnants. <i>Astrophysical Journal</i> , 2001, 547, 995-1009.	4.5	174
17	Plasma Properties in Coronal Holes Derived from Measurements of Minor Ion Spectral Lines and Polarized White Light Intensity. <i>Astrophysical Journal</i> , 1999, 510, L63-L67.	4.5	172
18	Ultraviolet spectroscopy of the extended solar corona. <i>Astronomy and Astrophysics Review</i> , 2006, 13, 31-157.	25.5	172

#	ARTICLE	IF	CITATIONS
19	The Accretion Disk Wind in the Black Hole GRO J1655âˆ“40. <i>Astrophysical Journal</i> , 2008, 680, 1359-1377.	4.5	150
20	The Balmer-dominated northeast limb of the Cygnus loop supernova remnant. <i>Astrophysical Journal</i> , 1994, 420, 721.	4.5	148
21	Observational Signatures of Particle Acceleration in Supernova Remnants. <i>Space Science Reviews</i> , 2012, 173, 369-431.	8.1	146
22	The Current Sheet Associated with the 2003 November 4 Coronal Mass Ejection: Density, Temperature, Thickness, and Line Width. <i>Astrophysical Journal</i> , 2008, 686, 1372-1382.	4.5	144
23	The Role of Magnetic Reconnection in the Observable Features of Solar Eruptions. <i>Astrophysical Journal</i> , 2004, 602, 422-435.	4.5	142
24	Chandra/High Energy Transmission Grating Spectrometer Spectroscopy of the Galactic Black Hole GX 339âˆ“4: A Relativistic Iron Emission Line and Evidence for a Seyfertâ€like Warm Absorber. <i>Astrophysical Journal</i> , 2004, 601, 450-465.	4.5	138
25	OBSERVATIONS AND INTERPRETATION OF A LOW CORONAL SHOCK WAVE OBSERVED IN THE EUV BY THE SDO/AIA. <i>Astrophysical Journal</i> , 2011, 738, 160.	4.5	137
26	SimultaneousChandraandRXTESpectroscopy of the Microquasar H1743âˆ“322: Clues to Disk Wind and Jet Formation from a Variable Ionized Outflow. <i>Astrophysical Journal</i> , 2006, 646, 394-406.	4.5	136
27	Elemental Abundances and Postâ€Coronal Mass Ejection Current Sheet in a Very Hot Active Region. <i>Astrophysical Journal</i> , 2002, 575, 1116-1130.	4.5	132
28	Preionization-dependent families of radiative shock waves. <i>Astrophysical Journal</i> , 1985, 298, 651.	4.5	120
29	IMAGING AND SPECTROSCOPIC OBSERVATIONS OF MAGNETIC RECONNECTION AND CHROMOSPHERIC EVAPORATION IN A SOLAR FLARE. <i>Astrophysical Journal Letters</i> , 2014, 797, L14.	8.3	117
30	Electronâ€Ion Equilibration in Nonradiative Shocks Associated with SN 1006. <i>Astrophysical Journal</i> , 1996, 472, 267-274.	4.5	112
31	Hubble Space TelescopeObservations of Oxygenâ€rich Supernova Remnants in the Magellanic Clouds. II. Elemental Abundances in N132D and 1E 0102.2âˆ“7219. <i>Astrophysical Journal</i> , 2000, 537, 667-689.	4.5	110
32	METAMORPHOSIS OF SN 2014C: DELAYED INTERACTION BETWEEN A HYDROGEN POOR CORE-COLLAPSE SUPERNOVA AND A NEARBY CIRCUMSTELLAR SHELL. <i>Astrophysical Journal</i> , 2015, 815, 120.	4.5	105
33	The Optical Spectrum of the SN 1006 Supernova Remnant Revisited. <i>Astrophysical Journal</i> , 2002, 572, 888-896.	4.5	103
34	Spatial and spectral interpretation of a bright filament in the Cygnus Loop. <i>Astrophysical Journal</i> , 1988, 324, 869.	4.5	102
35	SOHOObservations of a Coronal Mass Ejection. <i>Astrophysical Journal</i> , 2001, 553, 922-934.	4.5	98
36	Farâ€Ultraviolet Spectra of Fast Coronal Mass Ejections Associated with Xâ€Class Flares. <i>Astrophysical Journal</i> , 2003, 597, 1106-1117.	4.5	94

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37	Spatial Structure and Collisionless Electron Heating in Balmer- ϵ -dominated Shocks. <i>Astrophysical Journal</i> , 2008, 689, 1089-1104.	4.5	93
38	SOHO and radio observations of a CME shock wave. <i>Geophysical Research Letters</i> , 2000, 27, 1439-1442.	4.0	92
39	AN EXTREME X-RAY DISK WIND IN THE BLACK HOLE CANDIDATE IGR J17091-3624. <i>Astrophysical Journal Letters</i> , 2012, 746, L20.	8.3	90
40	SPECTRUM SYNTHESIS MODELING OF THE X-RAY SPECTRUM OF GRO J1655-40 TAKEN DURING THE 2005 OUTBURST. <i>Astrophysical Journal</i> , 2009, 701, 865-884.	4.5	89
41	Hubble Space Telescope Imaging of the Primary Shock Front in the Cygnus Loop Supernova Remnant. <i>Astronomical Journal</i> , 2005, 129, 2268-2280.	4.7	87
42	Solar and Heliospheric Observatory Observations of a Helical Coronal Mass Ejection. <i>Astrophysical Journal</i> , 2000, 529, 575-591.	4.5	86
43	Dust Destruction in Fast Shocks of Core-Collapse Supernova Remnants in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2006, 652, L33-L36.	4.5	85
44	Features and Properties of Coronal Mass Ejection/Flare Current Sheets. <i>Astrophysical Journal</i> , 2007, 658, L123-L126.	4.5	83
45	UVCS/SOHO observations of a CME-driven shock: Consequences on ion heating mechanisms behind a coronal shock. <i>Astronomy and Astrophysics</i> , 2002, 383, 267-274.	5.1	82
46	Current Sheet Evolution in the Aftermath of a CME Event. <i>Astrophysical Journal</i> , 2006, 638, 1110-1128.	4.5	81
47	PHYSICAL CONDITIONS IN A CORONAL MASS EJECTION FROM <i>Hinode</i> , <i>Stereo</i> , AND <i>SOHO</i> OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 711, 75-98.	4.5	81
48	Evidence for Shock Precursors in Tycho's Supernova Remnant. <i>Astrophysical Journal</i> , 2000, 535, 266-274.	4.5	78
49	A Large X-Ray Outburst in Mira A. <i>Astrophysical Journal</i> , 2005, 623, L137-L140.	4.5	78
50	Dust Destruction in Type Ia Supernova Remnants in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2006, 642, L141-L144.	4.5	78
51	The role of turbulence in coronal heating and solar wind expansion. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140148.	3.4	77
52	A multiwavelength study of the supernova remnant N49 in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 1992, 394, 158.	4.5	74
53	Coronal Observations of CMEs. <i>Space Science Reviews</i> , 2006, 123, 127-176.	8.1	72
54	Review on Current Sheets in CME Development: Theories and Observations. <i>Space Science Reviews</i> , 2015, 194, 237-302.	8.1	71

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55	RESOLVED SHOCK STRUCTURE OF THE BALMER-DOMINATED FILAMENTS IN <i>TYCHO</i>’S SUPERNOVA REMNANT: COSMIC-RAY PRECURSOR?. <i>Astrophysical Journal Letters</i> , 2010, 715, L146-L149.	8.3	70
56	POWERFUL, ROTATING DISK WINDS FROM STELLAR-MASS BLACK HOLES. <i>Astrophysical Journal</i> , 2015, 814, 87.	4.5	70
57	HIGH-RESOLUTION <i>CHANDRA</i> HETG SPECTROSCOPY OF V404 CYGNI IN OUTBURST. <i>Astrophysical Journal Letters</i> , 2015, 813, L37.	8.3	65
58	REGULATION OF BLACK HOLE WINDS AND JETS ACROSS THE MASS SCALE. <i>Astrophysical Journal</i> , 2013, 762, 103.	4.5	64
59	The ROSATHRI X-ray Survey of the Cygnus Loop. <i>Astrophysical Journal</i> , 1997, 484, 304-312.	4.5	64
60	ON THE PROPERTIES OF THERMAL DISK WINDS IN X-RAY TRANSIENT SOURCES: A CASE STUDY OF GRO J1655-40. <i>Astrophysical Journal</i> , 2010, 719, 515-522.	4.5	63
61	Phosphorus in the Young Supernova Remnant Cassiopeia A. <i>Science</i> , 2013, 342, 1346-1348.	12.6	63
62	Element Abundances: A New Diagnostic for the Solar Wind. <i>Astrophysical Journal</i> , 2019, 879, 124.	4.5	62
63	Subaru HDS Observations of a Balmer-dominated Shock in Tycho's Supernova Remnant. <i>Astrophysical Journal</i> , 2007, 659, L133-L136.	4.5	61
64	The Science of Sungrazers, Sunskirters, and Other Near-Sun Comets. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	60
65	Distance to the Cygnus Loop from [ITAL]HUBBLE SPACE TELESCOPE[/ITAL] [ITAL]Hubble Space Telescope[/ITAL] Imaging of the Primary Shock Front. <i>Astronomical Journal</i> , 1999, 118, 942-947.	4.7	60
66	The structure and emission spectrum of a nonradiative shock wave in the Cygnus Loop. <i>Astrophysical Journal</i> , 1983, 275, 636.	4.5	59
67	THE DISK-WIND-JET CONNECTION IN THE BLACK HOLE H 1743-322. <i>Astrophysical Journal Letters</i> , 2012, 759, L6.	8.3	58
68	The Structure and X-ray Recombination Emission of a Centrally Illuminated Accretion Disk Atmosphere and Corona. <i>Astrophysical Journal</i> , 2002, 581, 1297-1327.	4.5	58
69	A Massive Shell of Supernova-formed Dust in SNR G54.1+0.3. <i>Astrophysical Journal</i> , 2017, 836, 129.	4.5	57
70	INVESTIGATION OF THICKNESS AND ELECTRICAL RESISTIVITY OF THE CURRENT SHEETS IN SOLAR ERUPTIONS. <i>Astrophysical Journal</i> , 2009, 693, 1666-1677.	4.5	56
71	DEEP <i>CHANDRA</i> OBSERVATIONS OF THE CRAB-LIKE PULSAR WIND NEBULA G54.1+0.3 AND <i>SPITZER</i> SPECTROSCOPY OF THE ASSOCIATED INFRARED SHELL. <i>Astrophysical Journal</i> , 2010, 710, 309-324.	4.5	55
72	Spectroscopy of a Balmer-dominated filament in the Cygnus Loop with the Hopkins Ultraviolet Telescope. <i>Astrophysical Journal</i> , 1992, 400, 214.	4.5	55

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73	High-resolution spectroscopy of Balmer-dominated shocks in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 1994, 420, 286.	4.5	55
74	Discovery of a Kiloparsec Extended Hard X-Ray Continuum and Fe K α from the Compton Thick AGN ESO 428-G014. <i>Astrophysical Journal Letters</i> , 2017, 842, L4.	8.3	54
75	Hubble Space Telescope Observations of Oxygen-Rich Supernova Remnants in the Magellanic Cloud. I. Narrow-Band Imaging of N132D in the LMC. <i>Astronomical Journal</i> , 1996, 112, 509.	4.7	54
76	Physical Parameters of the 2000 February 11 Coronal Mass Ejection: Ultraviolet Spectra versus White-Light Images. <i>Astrophysical Journal</i> , 2003, 597, 1118-1134.	4.5	53
77	THE ACCRETION DISK WIND IN THE BLACK HOLE GRS 1915+105. <i>Astrophysical Journal Letters</i> , 2016, 821, L9.	8.3	52
78	Detection of Ultraviolet Emission Lines in SN 1006 with the Hopkins Ultraviolet Telescope. <i>Astrophysical Journal</i> , 1995, 454, .	4.5	52
79	Discovery of Outlying High-Velocity Oxygen-Rich Ejecta in Cassiopeia A. <i>Astrophysical Journal</i> , 2006, 636, 859-872.	4.5	51
80	PLASMA HEATING DURING A CORONAL MASS EJECTION OBSERVED BY THE SOLAR AND HELIOSPHERIC OBSERVATORY. <i>Astrophysical Journal</i> , 2011, 735, 17.	4.5	51
81	The Preshock Gas of SN 1006 from Hubble Space Telescope Advanced Camera for Surveys Observations. <i>Astrophysical Journal</i> , 2007, 659, 1257-1264.	4.5	49
82	Morphology and density structure of post-CME current sheets. <i>Astronomy and Astrophysics</i> , 2009, 499, 905-916.	5.1	49
83	Ejecta, Dust, and Synchrotron Radiation in SNR B0540 α '69.3: A More Crab-Like Remnant than the Crab. <i>Astrophysical Journal</i> , 2008, 687, 1054-1069.	4.5	49
84	THREE-DIMENSIONAL STRUCTURE AND ENERGY BALANCE OF A CORONAL MASS EJECTION. <i>Astrophysical Journal</i> , 2009, 692, 1271-1286.	4.5	48
85	SN 2019ehk: A Double-peaked Ca-rich Transient with Luminous X-Ray Emission and Shock-ionized Spectral Features. <i>Astrophysical Journal</i> , 2020, 898, 166.	4.5	48
86	Far Ultraviolet Spectroscopic Explorer Observation of the Nonradiative Collisionless Shock in the Remnant of SN 1006. <i>Astrophysical Journal</i> , 2004, 615, 280-285.	4.5	46
87	<title>Stray light, radiometric, and spectral characterization of UVCS/SOHO: laboratory calibration and flight performance</title>. , 1996, , .		45
88	NON-MAXWELLIAN H β PROFILES IN TYCHO'S SUPERNOVA REMNANT. <i>Astrophysical Journal</i> , 2010, 712, 901-907.	4.5	45
89	MODELING BRIGHT γ -RAY AND RADIO EMISSION AT FAST CLOUD SHOCKS. <i>Astrophysical Journal</i> , 2015, 806, 71.	4.5	44
90	IUE observations of the dwarf nova HL Canis Majoris and the winds of cataclysmic variables. <i>Astrophysical Journal</i> , 1987, 323, 690.	4.5	44

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91	Farâ€Ultraviolet Spectra of a Nonradiative Shock Wave in the Cygnus Loop. <i>Astrophysical Journal</i> , 2003, 584, 770-781.	4.5	43
92	THE SOLAR CORONA AS PROBED BY COMET LOVEJOY (C/2011 W3). <i>Astrophysical Journal</i> , 2014, 788, 152.	4.5	43
93	An X-ray and optical study of the interaction of the Cygnus Loop supernova remnant with an interstellar cloud. <i>Astrophysical Journal</i> , 1995, 444, 787.	4.5	42
94	1997 December 12 Helical Coronal Mass Ejection. II. Density, Energy Estimates, and Hydrodynamics. <i>Astrophysical Journal</i> , 2001, 557, 351-365.	4.5	42
95	Solar and Heliospheric Observatory Ultraviolet Coronagraph Spectrometer and Yohkoh Soft Xâ€Ray Telescope Observations of the Highâ€Temperature Corona above an Active Region Complex. <i>Astrophysical Journal</i> , 2002, 578, 979-995.	4.5	41
96	CH Cygni Xâ€Ray Jet Activity and Multicomponent Structures. <i>Astrophysical Journal</i> , 2007, 661, 1048-1054.	4.5	39
97	An Integral View of Fast Shocks Around Supernova 1006. <i>Science</i> , 2013, 340, 45-48.	12.6	39
98	ELECTRON-ION EQUILIBRIUM AND SHOCK PRECURSORS IN THE NORTHEAST LIMB OF THE CYGNUS LOOP. <i>Astrophysical Journal</i> , 2014, 791, 30.	4.5	39
99	Test of galactic cosmic-ray source models â€ Working Group Report. <i>Space Science Reviews</i> , 2001, 99, 329-352.	8.1	38
100	SHOCK SPEED, COSMIC RAY PRESSURE, AND GAS TEMPERATURE IN THE CYGNUS LOOP. <i>Astrophysical Journal</i> , 2009, 702, 327-339.	4.5	38
101	NON-EQUILIBRIUM IONIZATION MODELING OF THE CURRENT SHEET IN A SIMULATED SOLAR ERUPTION. <i>Astrophysical Journal</i> , 2013, 773, 110.	4.5	38
102	The Dynamical Behavior of Reconnection-driven Termination Shocks in Solar Flares: Magnetohydrodynamic Simulations. <i>Astrophysical Journal</i> , 2018, 869, 116.	4.5	38
103	Supernova-remnant shock waves close up. <i>Publications of the Astronomical Society of the Pacific</i> , 1991, 103, 781.	3.1	38
104	Ultraviolet Properties of Halo Coronal Mass Ejections: Doppler Shifts, Angles, Shocks, and Bulk Morphology. <i>Astrophysical Journal</i> , 2006, 652, 774-792.	4.5	37
105	MODELING UV AND X-RAY EMISSION IN A POST-CORONAL MASS EJECTION CURRENT SHEET. <i>Astrophysical Journal</i> , 2010, 722, 625-641.	4.5	36
106	The Detection of Farâ€Ultraviolet Line Emission from Balmerâ€Dominated Supernova Remnants in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2007, 664, 304-321.	4.5	35
107	Plasma properties above coronal active regions inferred from SOHO/LVCS and radio spectrograph observations. <i>Astronomy and Astrophysics</i> , 2003, 400, 347-353.	5.1	35
108	The Ultraviolet Spectrum of a Faceâ€on Shock Wave in the Vela Supernova Remnant. <i>Astrophysical Journal</i> , 1997, 482, 881-890.	4.5	34

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109	DUST DESTRUCTION IN A NON-RADIATIVE SHOCK IN THE CYGNUS LOOP SUPERNOVA REMNANT. <i>Astrophysical Journal</i> , 2010, 712, 1092-1099.	4.5	34
110	Non-Maxwellian Proton Velocity Distributions in Nonradiative Shocks. <i>Astrophysical Journal</i> , 2008, 682, 408-415.	4.5	33
111	Statistical and spectral properties of magnetic islands in reconnecting current sheets during two-ribbon flares. <i>Physics of Plasmas</i> , 2013, 20, 072114.	1.9	33
112	The Cygnus Loop's distance, properties, and environment driven morphology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1786-1798.	4.4	33
113	Numerical study of the cascading energy conversion of the reconnection current sheet in solar eruptions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 588-605.	4.4	33
114	A Detailed Analysis of a Cygnus Loop Shock-Cloud Interaction. <i>Astronomical Journal</i> , 2001, 122, 938-953.	4.7	33
115	The Transition Zone in Balmer-dominated Shocks. <i>Astrophysical Journal</i> , 2007, 668, 275-284.	4.5	32
116	DUSTY BLAST WAVES OF TWO YOUNG LARGE MAGELLANIC CLOUD SUPERNOVA REMNANTS: CONSTRAINTS ON POST-SHOCK COMPRESSION. <i>Astrophysical Journal</i> , 2011, 729, 65.	4.5	32
117	SECOND EPOCH HUBBLE SPACE TELESCOPE OBSERVATIONS OF KEPLER'S SUPERNOVA REMNANT: THE PROPER MOTIONS OF BALMER FILAMENTS*. <i>Astrophysical Journal</i> , 2016, 817, 36.	4.5	32
118	Predicted extreme-ultraviolet and X-ray spectrum of a microflare-heated corona. <i>Astrophysical Journal</i> , 1990, 365, 387.	4.5	32
119	IUE observations of X-ray sources: HD153919 (4U1700-37), HDE226868 (Cyg X-1), HZ Her (Her X-1). <i>Nature</i> , 1978, 275, 400-403.	27.8	31
120	ASYMMETRIC MAGNETIC RECONNECTION IN SOLAR FLARE AND CORONAL MASS EJECTION CURRENT SHEETS. <i>Astrophysical Journal</i> , 2012, 751, 56.	4.5	31
121	Numerical Simulations of Supernova Remnant Evolution in a Cloudy Interstellar Medium. <i>Astrophysical Journal</i> , 2017, 846, 77.	4.5	31
122	An Isolated, Recently Shocked ISM Cloud in the Cygnus Loop Supernova Remnant. <i>Astronomical Journal</i> , 2002, 124, 2118-2134.	4.7	31
123	Intermediate- and High-Velocity Ionized Gas toward $\hat{\iota}$ Orionis. <i>Astrophysical Journal</i> , 2002, 579, 304-326.	4.5	30
124	A COSMIC-RAY PRECURSOR MODEL FOR A BALMER-DOMINATED SHOCK IN TYCHO'S SUPERNOVA REMNANT. <i>Astrophysical Journal</i> , 2009, 690, 1412-1423.	4.5	30
125	EFFECTS OF NEUTRAL HYDROGEN ON COSMIC-RAY PRECURSORS IN SUPERNOVA REMNANT SHOCK WAVES. <i>Astrophysical Journal Letters</i> , 2011, 731, L14.	8.3	30
126	iPTF15eqv: Multiwavelength Exposures of a Peculiar Calcium-rich Transient. <i>Astrophysical Journal</i> , 2017, 846, 50.	4.5	30

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127	Optical detection of a fast shock wave associated with the Cygnus Loop. <i>Astrophysical Journal</i> , 1980, 238, L21.	4.5	30
128	EXTREME-ULTRAVIOLET AND X-RAY OBSERVATIONS OF COMET LOVEJOY (C/2011 W3) IN THE LOWER CORONA. <i>Astrophysical Journal</i> , 2013, 768, 161.	4.5	29
129	<i>SPITZER</i>OBSERVATIONS OF THE TYPE IA SUPERNOVA REMNANT N103B: KEPLER'S OLDER COUSIN?. <i>Astrophysical Journal</i> , 2014, 790, 139.	4.5	29
130	Results from UVCS and LASCO Observation of the Sungrazing Comet C/2000 C6. <i>Astrophysical Journal</i> , 2001, 558, 403-410.	4.5	29
131	An Obscured, Seyfert 2â€“like State of the Stellar-mass Black Hole GRS 1915+105 Caused by Failed Disk Winds. <i>Astrophysical Journal</i> , 2020, 904, 30.	4.5	29
132	Doubly Ionized Carbon Observed in the Plasma Tail of Comet Kudo-Fujikawa. <i>Science</i> , 2003, 302, 1949-1952.	12.6	28
133	Multialtitude Observations of a Coronal Jet during the Third Whole Sun Month Campaign. <i>Astrophysical Journal</i> , 2005, 623, 519-539.	4.5	28
134	WARM ABSORBERS AND OUTFLOWS IN THE SEYFERT-1 GALAXY NGC 4051. <i>Astrophysical Journal</i> , 2012, 746, 2.	4.5	28
135	CHEERS Results from NGC 3393. II. Investigating the Extended Narrow-line Region Using Deep Chandra Observations and Hubble Space Telescope Narrow-line Imaging. <i>Astrophysical Journal</i> , 2017, 844, 69.	4.5	28
136	CHEERS Results from NGC 3393. III. Chandra X-Ray Spectroscopy of the Narrow Line Region. <i>Astrophysical Journal</i> , 2019, 872, 94.	4.5	28
137	Identification of an Extended Accretion Disk Corona in the Hercules Xâ€“1 Low State: Moderate Optical Depth, Precise Density Determination, and Verification of CNO Abundances. <i>Astrophysical Journal</i> , 2005, 625, 931-950.	4.5	27
138	On the ionization equilibrium balance. <i>Astrophysical Journal</i> , 1979, 228, L89.	4.5	27
139	Observational Aspects of Particle Acceleration in Large Solar Flares. <i>Space Science Reviews</i> , 2012, 173, 197-221.	8.1	26
140	The Role of Turbulence for Heating Plasmas in Eruptive Solar Flares. <i>Astrophysical Journal</i> , 2020, 897, 64.	4.5	26
141	The ultraviolet spectrum of an oxygen-rich supernova remnant in the Small Magellanic Cloud. <i>Astrophysical Journal</i> , 1989, 338, 812.	4.5	26
142	[Nev] Imaging of the Cygnus Loop. <i>Astrophysical Journal</i> , 2000, 529, 279-292.	4.5	25
143	THE ROLE OF DIFFUSIVE SHOCK ACCELERATION ON NONEQUILIBRIUM IONIZATION IN SUPERNOVA REMNANT SHOCKS. II. EMITTED SPECTRA. <i>Astrophysical Journal</i> , 2010, 725, 1476-1484.	4.5	25
144	Collisionless Shocks in Partly Ionized Plasma with Cosmic Rays: Microphysics of Non-thermal Components. <i>Space Science Reviews</i> , 2013, 178, 599-632.	8.1	25

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