Peter R Young

List of Publications by Year
in descending order

99 papers	9,106 citations	57758 44 h-index	38395 95 g-index
99 all docs	99 docs citations	99 times ranked	3123 citing authors

#	Article	IF	Citations
1	CHIANTI - an atomic database for emission lines. Astronomy and Astrophysics, 1997, 125, 149-173.	2.1	1,640
2	The EUV Imaging Spectrometer for Hinode. Solar Physics, 2007, 243, 19-61.	2.5	798
3	CHIANTIâ€"An Atomic Database for Emission Lines. VII. New Data for Xâ€Rays and Other Improvements. Astrophysical Journal, Supplement Series, 2006, 162, 261-280.	7.7	404
4	CHIANTIâ€"AN ATOMIC DATABASE FOR EMISSION LINES. XIII. SOFT X-RAY IMPROVEMENTS AND OTHER CHANGES. Astrophysical Journal, 2013, 763, 86.	4.5	401
5	CHIANTI â€“ an atomic database for emission lines. Astronomy and Astrophysics, 2009, 498, 915-929.	5.1	379
6	CHIANTI â€“ An atomic database for emission lines. Version 8. Astronomy and Astrophysics, 2015, 582, A56.	5.1	372
7	CHIANTIâ€"AN ATOMIC DATABASE FOR EMISSION LINES. XII. VERSION 7 OF THE DATABASE. Astrophysical Journal, 2012, 744, 99.	4.5	278
8	CHIANTIâ€"An Atomic Database for Emission Lines. VI. Proton Rates and Other Improvements. Astrophysical Journal, Supplement Series, 2003, 144, 135-152.	7.7	261
9	Solar Coronal Jets: Observations, Theory, and Modeling. Space Science Reviews, 2016, 201, 1-53.	8.1	256
10	CHIANTIâ€"An Atomic Database for Emission Lines. XV. Version 9, Improvements for the X-Ray Satellite Lines. Astrophysical Journal, Supplement Series, 2019, 241, 22.	7.7	182
11	EUV Emission Lines and Diagnostics Observed with Hinode/EIS. Publication of the Astronomical Society of Japan, 2007, 59, S857-S864.	2.5	175
12	Outflows at the Edges of Active Regions: Contribution to Solar Wind Formation?. Astrophysical Journal, 2008, 676, L147-L150.	4.5	174
13	CHIANTIâ€"An Atomic Database for Emission Lines. XVI. Version 10, Further Extensions. Astrophysical Journal, 2021, 909, 38.	4.5	173
14	CHIANTIâ€"An Atomic Database for Emission Lines. IV. Extension to Xâ€Ray Wavelengths. Astrophysical Journal, Supplement Series, 2001, 134, 331-354.	7.7	170
15	High-precision density measurements in the solar corona. Astronomy and Astrophysics, 2009, 495, 587-606.	5.1	161
16	Coronal Plasma Motions near Footpoints of Active Region Loops Revealed from Spectroscopic Observations with Hinode EIS. Astrophysical Journal, 2008, 678, L67-L71.	4.5	146
17	ACTIVE REGION LOOPS:HINODE/EXTREME-ULTRAVIOLET IMAGING SPECTROMETER OBSERVATIONS. Astrophysical Journal, 2009, 694, 1256-1265.	4.5	119
18	Xâ€Ray Enabled MOCASSIN: A Threeâ€dimensional Code for Photoionized Media. Astrophysical Journal, Supplement Series, 2008, 175, 534-542.	7.7	102

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19	TEMPORAL EVOLUTION OF CHROMOSPHERIC EVAPORATION: CASE STUDIES OF THE M1.1 FLARE ON 2014 SEPTEMBER 6 AND X1.6 FLARE ON 2014 SEPTEMBER 10. Astrophysical Journal, 2015, 811, 139.	4.5	95
20	Nonthermal Velocities in Solar Active Regions Observed with the Extreme-Ultraviolet Imaging Spectrometer on Hinode. Astrophysical Journal, 2007, 667, L109-L112.	4.5	94
21	Coronal magnetic field measurement using loop oscillations observed by Hinode/EIS. Astronomy and Astrophysics, 2008, 487, L17-L20.	5.1	93
22	THE 2014 MARCH 29 X-FLARE: SUBARCSECOND RESOLUTION OBSERVATIONS OF Fe XXI Î»1354.1. Astrophysical Journal, 2015, 799, 218.	4.5	87
23	PLASMA MOTIONS AND HEATING BY MAGNETIC RECONNECTION IN A 2007 MAY 19 FLARE. Astrophysical Journal, 2011, 741, 107.	4.5	84
24	Magnetic flux cancellation associated with a recurring solar jet observed withHinode,RHESSI, andSTEREO/EUVI. Astronomy and Astrophysics, 2008, 491, 279-288.	5.1	83
25	Solar Ultraviolet Bursts. Space Science Reviews, 2018, 214, 1.	8.1	80
26	MULTIPLE COMPONENT OUTFLOWS IN AN ACTIVE REGION OBSERVED WITH THE EUV IMAGING SPECTROMETER ONHINODE. Astrophysical Journal, 2010, 715, 1012-1020.	4.5	73
27	The Ne/O abundance ratio in the quiet Sun. Astronomy and Astrophysics, 2005, 444, L45-L48.	5.1	72
28	Solar Dynamics Observatory and Hinode Observations of a Blowout Jet in a Coronal Hole. Solar Physics, 2014, 289, 3313-3329.	2.5	71
29	Frequently Occurring Reconnection Jets from Sunspot Light Bridges. Astrophysical Journal, 2018, 854, 92.	4.5	70
30	PROPERTIES OF A SOLAR FLARE KERNEL OBSERVED BYHINODEANDSDO. Astrophysical Journal, 2013, 766, 127.	4.5	69
31	Achievements of Hinode in the first eleven years. Publication of the Astronomical Society of Japan, 2019, 71, .	2.5	69
32	Coronal Dimming Observed with Hinode: Outflows Related to a Coronal Mass Ejection. Publication of the Astronomical Society of Japan, 2007, 59, S801-S806.	2.5	68
33	Hinode EUV Study of Jets in the Sunâ€™s South Polar Corona. Publication of the Astronomical Society of Japan, 2007, 59, S751-S756.	2.5	62
34	VELOCITY MEASUREMENTS FOR A SOLAR ACTIVE REGION FAN LOOP FROMHINODE/EIS OBSERVATIONS. Astrophysical Journal, 2012, 744, 14.	4.5	62
35	An active region jet observed with Hinode. Astronomy and Astrophysics, 2008, 481, L57-L60.	5.1	60
36	THE TEMPERATURE DEPENDENCE OF SOLAR ACTIVE REGION OUTFLOWS. Astrophysical Journal, 2011, 727, 58.	4.5	60

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37	Nonequilibrium Processes in the Solar Corona, Transition Region, Flares, and Solar Wind (Invited) Tj ETQq1 1 0.784314 rgBT /Overlock	2.5	60
38	THE FAST FILAMENT ERUPTION LEADING TO THE X-FLARE ON 2014 MARCH 29. Astrophysical Journal, 2015, 806, 9.	4.5	59
39	Solar Transition Region Features Observed with Hinode/EIS. Publication of the Astronomical Society of Japan, 2007, 59, S727-S733.	2.5	57
40	Title is missing!. Solar Physics, 1997, 170, 143-161.	2.5	56
41	CHROMOSPHERIC EVAPORATION IN AN M1.8 FLARE OBSERVED BY THE EXTREME-ULTRAVIOLET IMAGING SPECTROMETER ONHINODE. Astrophysical Journal, 2013, 767, 55.	4.5	53
42	SI iv Resonance Line Emission during Solar Flares: Non-LTE, Nonequilibrium, Radiation Transfer Simulations. Astrophysical Journal, 2019, 871, 23.	4.5	48
43	Active Regions Observed in Extreme Ultraviolet Light by the Coronal Diagnostic Spectrometer on Soho. Solar Physics, 1997, 175, 487-509.	2.5	46
44	The Mg/Ne abundance ratio in a recently emerged flux region observed by CDS. Solar Physics, 1997, 175, 523-539.	2.5	45
45	Compact solar UV burst triggered in a magnetic field with a fan-spine topology. Astronomy and Astrophysics, 2017, 605, A49.	5.1	45
46	A coronal hole jet observed with Hinode and the Solar Dynamics Observatory. Publication of the Astronomical Society of Japan, 2014, 66, .	2.5	44
47	CHIANTIâ€"AN ATOMIC DATABASE FOR EMISSION LINES. X. SPECTRAL ATLAS OF A COLD FEATURE OBSERVED WITHHINODE/EUV IMAGING SPECTROMETER. Astrophysical Journal, 2009, 706, 1-20.	4.5	43
48	Fe XIII DENSITY DIAGNOSTICS IN THE EIS OBSERVING WAVELENGTHS. Astrophysical Journal, 2009, 692, 1294-1304.	4.5	42
49	Element Abundance Ratios in the Quiet Sun Transition Region. Astrophysical Journal, 2018, 855, 15.	4.5	41
50	TEMPERATURE TOMOGRAPHY OF A CORONAL SIGMOID SUPPORTING THE GRADUAL FORMATION OF A FLUX ROPE. Astrophysical Journal, 2009, 698, L27-L32.	4.5	39
51	CHIANTIâ€"AN ATOMIC DATABASE FOR EMISSION LINES. XI. EXTREME-ULTRAVIOLET EMISSION LINES OF Fe VII, Fe VIII, AND Fe IX OBSERVED BYHINODE/EIS. Astrophysical Journal, 2009, 707, 173-192.	4.5	38
52	Evidence for magnetic flux cancelation leading to an ejective solar eruption observed byHinode,TRACE,STEREO, andSoHO/MDI. Astronomy and Astrophysics, 2010, 521, A49.	5.1	38
53	HOT PLASMA IN NONFLARING ACTIVE REGIONS OBSERVED BY THE EXTREME-ULTRAVIOLET IMAGING SPECTROMETER ONHINODE. Astrophysical Journal, 2009, 697, 1956-1970.	4.5	37
54	Active region moss. Astronomy and Astrophysics, 2010, 518, A42.	5.1	37

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55	EUV SPECTRAL LINE FORMATION AND THE TEMPERATURE STRUCTURE OF ACTIVE REGION FAN LOOPS: OBSERVATIONS WITHHINODE/EIS ANDSDO/AIA. Astrophysical Journal, 2011, 730, 85.	4.5	36
56	Density structure of an active region and associated moss using Hinode/EIS. Astronomy and Astrophysics, 2008, 481, L53-L56.	5.1	35
57	Hinode extreme-ultraviolet imaging spectrometer observations of a limb active region. Astronomy and Astrophysics, 2011, 525, A137.	5.1	35
58	A closer look at a coronal loop rooted in a sunspot umbra. Astronomy and Astrophysics, 2016, 587, A20.	5.1	35
59	NEW EUV Fe IX EMISSION LINE IDENTIFICATIONS FROM HINODE/EIS. Astrophysical Journal, 2009, 691, L77-L81.	4.5	33
60	The element abundance FIP effect in the quiet Sun. Astronomy and Astrophysics, 2005, 439, 361-366.	5.1	33
61	IRIS Observations of Magnetic Interactions in the Solar Atmosphere between Preexisting and Emerging Magnetic Fields. I. Overall Evolution. Astrophysical Journal, 2018, 856, 127.	4.5	31
62	Plasmoid-mediated reconnection in solar UV bursts. Astronomy and Astrophysics, 2019, 628, A8.	5.1	31
63	UNDERFLIGHT CALIBRATION OF SOHO /CDS AND HINODE /EIS WITH EUNIS-07. Astrophysical Journal, Supplement Series, 2011, 197, 32.	7.7	26
64	LEMUR: Large European module for solar Ultraviolet Research. Experimental Astronomy, 2012, 34, 273-309.	3.7	25
65	Extreme-ultraviolet bursts and nanoflares in the quiet-Sun transition region and corona. Astronomy and Astrophysics, 2021, 647, A159.	5.1	25
66	FORBIDDEN AND INTERCOMBINATION LINES OF RR TELESCOPII: WAVELENGTH MEASUREMENTS AND ENERGY LEVELS. Astrophysical Journal, Supplement Series, 2011, 196, 23.	7.7	23
67	Multi-component Decomposition of Astronomical Spectra by Compressed Sensing. Astrophysical Journal, 2019, 882, 13.	4.5	22
68	The Temperature and Density Structure of an Active Region Observed with the Extreme-Ultraviolet Imaging Spectrometer on Hinode. Publication of the Astronomical Society of Japan, 2007, 59, S707-S712.	2.5	21
69	TEMPORAL EVOLUTION OF SOLAR WIND ION COMPOSITION AND THEIR SOURCE CORONAL HOLES DURING THE DECLINING PHASE OF CYCLE 23. I. LOW-LATITUDE EXTENSION OF POLAR CORONAL HOLES. Astrophysical Journal, 2014, 787, 121.	4.5	20
70	A Si iv/O iv Electron Density Diagnostic for the Analysis of IRIS Solar Spectra. Astrophysical Journal, 2018, 857, 5.	4.5	20
71	DARK JETS IN SOLAR CORONAL HOLES. Astrophysical Journal, 2015, 801, 124.	4.5	19
72	The CHIANTI atomic database. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 074009.	1.5	19

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73	IRIS Observations of Magnetic Interactions in the Solar Atmosphere between Preexisting and Emerging Magnetic Fields. II. UV Emission Properties. Astrophysical Journal, 2019, 871, 82.	4.5	19
74	EVIDENCE FOR TWO SEPARATE HELIOSPHERIC CURRENT SHEETS OF CYLINDRICAL SHAPE DURING MID-2012. Astrophysical Journal, 2014, 780, 103.	4.5	18
75	Fe VII lines in the spectrum of RR Telescopii. Astronomy and Astrophysics, 2005, 432, 665-670.	5.1	17
76	Temperature and Density Structures of Solar Coronaâ€"A Test of Iron Line Diagnostic Capability of EIS Instrument on Board Hinode. Publication of the Astronomical Society of Japan, 2007, 59, S669-S674.	2.5	17
77	NEW Fe IX LINE IDENTIFICATIONS USINGSOLAR AND HELIOSPHERIC OBSERVATORY/SOLAR ULTRAVIOLET MEASUREMENT OF EMITTED RADIATION ANDHINODE/EIS JOINT OBSERVATIONS OF THE QUIET SUN. Astrophysical Journal, 2009, 707, 1191-1200.	4.5	17
78	CORE AND WING DENSITIES OF ASYMMETRIC CORONAL SPECTRAL PROFILES: IMPLICATIONS FOR THE MASS SUPPLY OF THE SOLAR CORONA. Astrophysical Journal, 2014, 781, 58.	4.5	17
79	Atomic Data for Plasma Spectroscopy: The CHIANTI Database, Improvements and Challenges. Atoms, 2020, 8, 46.	1.6	17
80	THE RELATIVE INTENSITY CALIBRATION OFHINODE/EIS ANDSOHO/SUMER. Astrophysical Journal, 2010, 714, 636-643.	4.5	16
81	CORRELATION OF CORONAL PLASMA PROPERTIES AND SOLAR MAGNETIC FIELD IN A DECAYING ACTIVE REGION. Astrophysical Journal, 2016, 826, 126.	4.5	14
82	THE ELECTRON DENSITY IN EXPLOSIVE TRANSITION REGION EVENTS OBSERVED BY IRIS. Astrophysical Journal, 2016, 832, 77.	4.5	13
83	Modeling Coronal Response in Decaying Active Regions with Magnetic Flux Transport and Steady Heating. Astrophysical Journal, 2017, 846, 165.	4.5	12
84	Spectroscopic Constraints on the Cross-sectional Asymmetry and Expansion of Active Region Loops. Astrophysical Journal, 2019, 885, 7.	4.5	11
85	Future Prospects for Solar EUV and Soft X-Ray Spectroscopy Missions. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	10
86	NEW Fe VIII LINE IDENTIFICATIONS USING OBSERVATIONS OF THE QUIET SUN. Astrophysical Journal, 2010, 713, 205-211.	4.5	8
87	First observations from the SPICE EUV spectrometer on Solar Orbiter. Astronomy and Astrophysics, 2021, 656, A38.	5.1	8
88	Observational Signatures of a Kink-unstable Coronal Flux Rope Using Hinode/EIS. Astrophysical Journal, 2017, 842, 16.	4.5	7
89	Revised Analysis of Fe vii. Astrophysical Journal, Supplement Series, 2022, 258, 37.	7.7	6
90	Fe vii Emission Lines in the Wavelength Range 193â€"197 Ã.... Astrophysical Journal, 2021, 908, 104.	4.5	5

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91	Predictions of DKIST/DL-NIRSP Observations for an Off-limb Kink-unstable Coronal Loop. Astrophysical Journal, 2018, 863, 172.	4.5	4
92	On the ultraviolet signatures of small scale heating in coronal loops. Astronomy and Astrophysics, 2008, 492, 857-862.	5.1	3
93	An Analysis of Spikes in Atmospheric Imaging Assembly (AIA) Data. Solar Physics, 2021, 296, 1.	2.5	3
94	Properties of EUV Imaging Spectrometer (EIS) Slot Observations. Solar Physics, 2022, 297, .	2.5	2
95	CDS UV Brightenings Explained by Quasi-separatrices and Bald Patches in an S-shape Active Region. Symposium - International Astronomical Union, 2001, 203, 314-317.	0.1	1
96	CHIANTI: An Atomic Database for Astrophysical Plasmas. Fusion Science and Technology, 2013, 63, 324-332.	1.1	1
97	The Sun: Our own backyard plasma laboratory. Proceedings of the International Astronomical Union, 2019, 15, 333-340.	0.0	0
98	Impact of small-scale emerging flux from the photosphere to the corona: a case study from IRIS. Proceedings of the International Astronomical Union, 2019, 15, 439-442.	0.0	0
99	A spectroscopic measurement of high velocity spray plasma from an M-class flare and coronal mass ejection. Advances in Space Research, 2022, , .	2.6	0