Carl Henney

List of Publications by Year
in descending order

49 papers	1,714 citations	236925 25 h-index	276875 41 g-index
55 all docs	55 docs citations	55 times ranked	1346 citing authors

#	Article	IF	Citations
1	Quantitative Evaluation of Coronal Magnetic Field Models Using Tomographic Reconstructions of Electron Density. Astrophysical Journal, 2022, 928, 131.	4.5	1
2	Satellite In Situ Electron Density Observations of the Midlatitude Storm Enhanced Density on the Noon Meridional Plane in the F Region During the 20 November 2003 Magnetic Storm. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	8
3	Solar Polar Flux Redistribution Based on Observed Coronal Holes. Astrophysical Journal, 2022, 932, 115.	4.5	5
4	Improving Multiday Solar Wind Speed Forecasts. Space Weather, 2022, 20, .	3.7	1
5	Impact of Inner Heliospheric Boundary Conditions on Solar Wind Predictions at Earth. Space Weather, 2021, 19, e2020SW002499.	3.7	15
6	Using Gradient Boosting Regression to Improve Ambient Solar Wind Model Predictions. Space Weather, 2021, 19, e2020SW002673.	3.7	15
7	A Multiâ€Purpose Heliophysics L4 Mission. Space Weather, 2021, 19, e2021SW002777.	3.7	15
8	Characterizing Magnetic Connectivity of Solar Flare Electron Sources to STEREO Spacecraft Using ADAPT-WSA Modeling. Astrophysical Journal, 2021, 921, 13.	4.5	1
9	Simulating Solar Maximum Conditions Using the AlfvÃ©n Wave Solar Atmosphere Model (AWSoM). Astrophysical Journal, 2021, 923, 176.	4.5	15
10	Data Assimilative Optimization of WSA Source Surface and Interface Radii using Particle Filtering. Space Weather, 2020, 18, e2020SW002464.	3.7	9
11	Operational Modeling of Heliospheric Space Weather for the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 73.	7.7	15
12	The Heliospheric Current Sheet in the Inner Heliosphere Observed by the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 47.	7.7	50
13	Small, Low-energy, Dispersive Solar Energetic Particle Events Observed by Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 65.	7.7	23
14	Solar Wind Streams and Stream Interaction Regions Observed by the Parker Solar Probe with Corresponding Observations at 1 au. Astrophysical Journal, Supplement Series, 2020, 246, 36.	7.7	43
15	Predicting the Solar Wind at the Parker Solar Probe Using an Empirically Driven MHD Model. Astrophysical Journal, Supplement Series, 2020, 246, 40.	7.7	14
16	Models and data analysis tools for the Solar Orbiter mission. Astronomy and Astrophysics, 2020, 642, A2.	5.1	53
17	The Slowly Varying Corona. II. The Components of F _{10.7} and Their Use in EUV Proxies. Astrophysical Journal, 2019, 884, 141.	4.5	5
18	Estimating Total Open Heliospheric Magnetic Flux. Solar Physics, 2019, 294, 1.	2.5	43

#	Article	IF	Citations
19	Application usability levels: a framework for tracking project product progress. Journal of Space Weather and Space Climate, 2019, 9, A34.	3.3	13
20	Validation of the AlfvÃ©n Wave Solar Atmosphere Model (AWSoM) with Observations from the Low Corona to 1 au. Astrophysical Journal, 2019, 887, 83.	4.5	41
21	The Open Flux Problem. Astrophysical Journal, 2017, 848, 70.	4.5	135
22	Scale-Dependent Data Assimilation of Solar Photospheric Magnetic Field. IFAC-PapersOnLine, 2016, 49, 193-198.	0.9	5
23	An Empirically Driven Time-Dependent Model of the Solar Wind. Journal of Physics: Conference Series, 2016, 719, 012012.	0.4	25
24	A NEW TECHNIQUE FOR THE PHOTOSPHERIC DRIVING OF NON-POTENTIAL SOLAR CORONAL MAGNETIC FIELD SIMULATIONS. Astrophysical Journal, 2016, 823, 55.	4.5	24
25	Timeâ€dependent magnetohydrodynamic simulations of the inner heliosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 2866-2890.	2.4	42
26	Ensemble Modeling of the 23 July 2012 Coronal Mass Ejection. Space Weather, 2015, 13, 611-625.	3.7	49
27	CORONAL SOURCES OF THE SOLAR F_{10.7}RADIO FLUX. Astrophysical Journal, 2015, 808, 29.	4.5	33
28	Data Assimilation in the ADAPT Photospheric Flux Transport Model. Solar Physics, 2015, 290, 1105-1118.	2.5	109
29	Forecasting solar extreme and far ultraviolet irradiance. Space Weather, 2015, 13, 141-153.	3.7	21
30	Detecting coronal holes for solar activity modeling. , 2014, , .		1
31	Ensemble Modeling of CME Propagation. Solar Physics, 2013, 285, 349-368.	2.5	54
32	Modeling the corona and solar wind using ADAPT maps that include far-side observations. AIP Conference Proceedings, 2013, , .	0.4	42
33	Coronal and heliospheric modeling using flux-evolved maps. AIP Conference Proceedings, 2013, , .	0.4	6
34	Forecasting F_{10.7} with solar magnetic flux transport modeling. Space Weather, 2012, 10, .	3.7	85
35	Temporal and radial variation of the solar wind temperatureâ€speed relationship. Journal of Geophysical Research, 2012, 117, .	3.3	54
36	Stokes Profile Compression Applied to VSM Data. Solar Physics, 2012, 276, 415-422.	2.5	2

#	Article	IF	Citations
37	Air Force Data Assimilative Photospheric Flux Transport (ADAPT) Model. AIP Conference Proceedings, 2010, , .	0.4	80
38	Solar Wind Speed And Temperature Relationship. , 2010, , .		7
39	Evidence for Polar Jets as Precursors of Polar Plume Formation. Astrophysical Journal, 2008, 682, L137-L140.	4.5	66
40	Seething Horizontal Magnetic Fields in the Quiet Solar Photosphere. Astrophysical Journal, 2007, 659, L177-L180.	4.5	101
41	Latitude Distribution of Polar Magnetic Flux in the Chromosphere Near Solar Minimum. Astrophysical Journal, 2007, 669, 636-641.	4.5	17
42	Solar Wind Forecasting with Coronal Holes. Solar Physics, 2006, 233, 265-276.	2.5	47
43	About the rotation of the solar radiative interior. Solar Physics, 2004, 220, 269-285.	2.5	55
44	The Rotation of the Deep Solar Layers. Astrophysical Journal, 2003, 597, L77-L79.	4.5	111
45	Phase Coherence Analysis of Solar Magnetic Activity. Solar Physics, 2002, 207, 199-218.	2.5	38
46	Random-Lag Singular Cross-Spectrum Analysis. Astrophysical Journal, 2000, 528, L53-L56.	4.5	11
47	Identification of Solar Acoustic Modes of Low Angular Degree and Low Radial Order. Astrophysical Journal, 2000, 537, L143-L146.	4.5	45
48	Comparison of Frequencies and Rotational Splittings of Solar Acoustic Modes of Low Angular Degree from Simultaneous MDI and GOLF Observations. Astrophysical Journal, 2000, 535, 1066-1077.	4.5	31
49	Title is missing!. Solar Physics, 1997, 175, 311-328.	2.5	28