Yi-ming Wang

List of Publications by Year
in descending order

74 papers	5,787 citations	101543 36 h-index	82547 72 g-index
74 all docs	74 docs citations	74 times ranked	1969 citing authors

#	Article	IF	Citations
1	Magnetograph Saturation and the Open Flux Problem. Astrophysical Journal, 2022, 926, 113.	4.5	14
2	From Coronal Holes to Pulsars and Back Again: Learning the Importance of Data. Frontiers in Astronomy and Space Sciences, 2022, 9, .	2.8	0
3	Critical Science Plan for the Daniel K. Inouye Solar Telescope (DKIST). Solar Physics, 2021, 296, 1.	2.5	65
4	First light observations of the solar wind in the outer corona with the Metis coronagraph. Astronomy and Astrophysics, 2021, 656, A32.	5.1	32
5	A New Reconstruction of the Sunâ€™s Magnetic Field and Total Irradiance since 1700. Astrophysical Journal, 2021, 920, 100.	4.5	13
6	Morphological Reconstruction of a Small Transient Observed by Parker Solar Probe on 2018 November 5. Astrophysical Journal, Supplement Series, 2020, 246, 28.	7.7	17
7	Small-scale Flux Emergence, Coronal Hole Heating, and Flux-tube Expansion: A Hybrid Solar Wind Model. Astrophysical Journal, 2020, 904, 199.	4.5	31
8	Observations of Slow Solar Wind from Equatorial Coronal Holes. Astrophysical Journal, 2019, 880, 146.	4.5	18
9	Observations of Solar Wind from Earth-directed Coronal Pseudostreamers. Astrophysical Journal, 2019, 872, 139.	4.5	12
10	Further Evidence for Looplike Fine Structure inside â€œUnipolarâ€•Active Region Plages. Astrophysical Journal, 2019, 885, 34.	4.5	12
11	â€œTwistingâ€•Motions in Erupting Coronal Pseudostreamers as Evidence for Interchange Reconnection. Astrophysical Journal, 2018, 853, 103.	4.5	9
12	Helicity Removal and Coronal Fe xii Stalks: Evidence That the Axial Field Is Not Ejected but Resubmerged. Astrophysical Journal, 2018, 868, 66.	4.5	3
13	Gradual Streamer Expansions and the Relationship between Blobs and Inflows. Astrophysical Journal, 2018, 859, 135.	4.5	12
14	Surface Flux Transport and the Evolution of the Sunâ€™s Polar Fields. Space Science Reviews, 2017, 210, 351-365.	8.1	41
15	Small Coronal Holes Near Active Regions as Sources of Slow Solar Wind. Astrophysical Journal, 2017, 841, 94.	4.5	19
16	Inflows in the Inner White-light Corona: The Closing-down of Flux after Coronal Mass Ejections. Astrophysical Journal, 2017, 850, 6.	4.5	6
17	ROLE OF THE CORONAL ALFVÃ‰N SPEED IN MODULATING THE SOLAR-WIND HELIUM ABUNDANCE. Astrophysical Journal Letters, 2016, 833, L21.	8.3	11
18	Nearâ€Earth heliospheric magnetic field intensity since 1750: 1. Sunspot and geomagnetic reconstructions. Journal of Geophysical Research: Space Physics, 2016, 121, 6048-6063.	2.4	33

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19	THE OXYGEN CHARGE-STATE RATIO AS ANÂINDICATOR OF FOOTPOINT FIELD STRENGTH IN THE SOURCE REGIONS OF THE SOLAR WIND. Astrophysical Journal, 2016, 833, 121.	4.5	6
20	Nearâ€Earth heliospheric magnetic field intensity since 1750: 2. Cosmogenic radionuclide reconstructions. Journal of Geophysical Research: Space Physics, 2016, 121, 6064-6074.	2.4	19
21	Comparative ionospheric impacts and solar origins of nine strong geomagnetic storms in 2010â€“2015. Journal of Geophysical Research: Space Physics, 2016, 121, 4938-4965.	2.4	13
22	Slow Solar Wind: Observations and Modeling. Space Science Reviews, 2016, 201, 55-108.	8.1	147
23	THE UBIQUITOUS PRESENCE OF LOOPLIKE FINE STRUCTURE INSIDE SOLAR ACTIVE REGIONS. Astrophysical Journal Letters, 2016, 820, L13.	8.3	12
24	CONVERGING SUPERGRANULAR FLOWS AND THE FORMATION OF CORONAL PLUMES. Astrophysical Journal, 2016, 818, 203.	4.5	18
25	Surface Flux Transport and the Evolution of the Sunâ€™s Polar Fields. Space Sciences Series of ISSI, 2016, , 351-365.	0.0	0
26	THE RECENT REJUVENATION OF THE SUNâ€™S LARGE-SCALE MAGNETIC FIELD: A CLUE FOR UNDERSTANDING PAST AND FUTURE SUNSPOT CYCLES. Astrophysical Journal, 2015, 809, 113.	4.5	22
27	PSEUDOSTREAMERS AS THE SOURCE OF A SEPARATE CLASS OF SOLAR CORONAL MASS EJECTIONS. Astrophysical Journal Letters, 2015, 803, L12.	8.3	22
28	Coronal Pseudo-Streamer and Bipolar Streamer Observed by SOHO/UVCS in March 2008. Solar Physics, 2015, 290, 2043-2054.	2.5	23
29	CORONAL MASS EJECTIONS AND THE SOLAR CYCLE VARIATION OF THE SUNâ€™S OPEN FLUX. Astrophysical Journal Letters, 2015, 809, L24.	8.3	16
30	ACTIVE-REGION TILT ANGLES: MAGNETIC VERSUS WHITE-LIGHT DETERMINATIONS OF JOY'S LAW. Astrophysical Journal, 2015, 798, 50.	4.5	29
31	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
32	CORONAL INFLOWS DURING THE INTERVAL 1996-2014. Astrophysical Journal, 2014, 797, 10.	4.5	25
33	EVIDENCE FOR TWO SEPARATE HELIOSPHERIC CURRENT SHEETS OF CYLINDRICAL SHAPE DURING MID-2012. Astrophysical Journal, 2014, 780, 103.	4.5	18
34	IS SOLAR CYCLE 24 PRODUCING MORE CORONAL MASS EJECTIONS THAN CYCLE 23?. Astrophysical Journal Letters, 2014, 784, L27.	8.3	54
35	Solar Cycle Variation of the Sunâ€™s Low-Order Magnetic Multipoles: Heliospheric Consequences. Space Science Reviews, 2014, 186, 387-407.	8.1	27
36	Fe XII STALKS AND THE ORIGIN OF THE AXIAL FIELD IN FILAMENT CHANNELS. Astrophysical Journal, 2013, 770, 72.	4.5	9

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37	Semiempirical Models of the Slow and Fast Solar Wind. Space Science Reviews, 2012, 172, 123-143.	8.1	30
38	ON THE NATURE OF THE SOLAR WIND FROM CORONAL PSEUDOSTREAMERS. Astrophysical Journal, 2012, 749, 182.	4.5	72
39	TWO-TEMPERATURE MODELS FOR POLAR PLUMES: COOLING BY MEANS OF STRONG BASE HEATING. Astrophysical Journal, 2011, 727, 30.	4.5	9
40	Morphology, dynamics and plasma parameters of plumes and inter-plume regions in solar coronal holes. Astronomy and Astrophysics Review, 2011, 19, 1.	25.5	60
41	FORMATION AND EVOLUTION OF CORONAL HOLES FOLLOWING THE EMERGENCE OF ACTIVE REGIONS. Astrophysical Journal, 2010, 715, 39-50.	4.5	41
42	Observations of the magnetic field and plasma in the heliosheath by Voyager 2 from 2007.7 to 2009.4. Journal of Geophysical Research, 2010, 115, .	3.3	14
43	Time-dependent hydrodynamical simulations of slow solar wind, coronal inflows, and polar plumes. Astronomy and Astrophysics, 2009, 497, 537-543.	5.1	26
44	ON THE WEAKENING OF THE POLAR MAGNETIC FIELDS DURING SOLAR CYCLE 23. Astrophysical Journal, 2009, 707, 1372-1386.	4.5	184
45	Coronal Holes and Open Magnetic Flux. Space Science Reviews, 2009, 144, 383-399.	8.1	73
46	SLOW SOLAR WIND FROM OPEN REGIONS WITH STRONG LOW-CORONAL HEATING. Astrophysical Journal, 2009, 691, 760-769.	4.5	65
47	THE STRUCTURE OF STREAMER BLOBS. Astrophysical Journal, 2009, 694, 1471-1480.	4.5	105
48	Observations of Low-Latitude Coronal Plumes. Solar Physics, 2008, 249, 17-35.	2.5	27
49	The Origin of Postflare Loops. Astrophysical Journal, 2004, 616, 1224-1231.	4.5	106
50	Characteristics of Coronal Inflows. Astrophysical Journal, 2002, 579, 874-887.	4.5	81
51	Coronal Inflows and Sector Magnetism. Astrophysical Journal, 2001, 562, L107-L110.	4.5	45
52	Coronal Inflows and the Sunâ€™s Nonaxisymmetric Open Flux. Astrophysical Journal, 2001, 546, L131-L135.	4.5	30
53	The dynamical nature of coronal streamers. Journal of Geophysical Research, 2000, 105, 25133-25142.	3.3	184
54	Coronagraph observations of inflows during high solar activity. Geophysical Research Letters, 1999, 26, 1203-1206.	4.0	71

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55	Continuous tracking of coronal outflows: Two kinds of coronal mass ejections. Journal of Geophysical Research, 1999, 104, 24739-24767.	3.3	492
56	Large-scale coronal heating by the small-scale magnetic field of the Sun. Nature, 1998, 394, 152-154.	27.8	145
57	Spatial structure of the solar wind and comparisons with solar data and models. Journal of Geophysical Research, 1998, 103, 14587-14599.	3.3	194
58	Origin of Streamer Material in the Outer Corona. Astrophysical Journal, 1998, 498, L165-L168.	4.5	237
59	Network Activity and the Evaporative Formation of Polar Plumes. Astrophysical Journal, 1998, 501, L145-L150.	4.5	63
60	Solar Wind Stream Interactions and the Wind Speedâ€“Expansion Factor Relationship. Astrophysical Journal, 1997, 488, L51-L54.	4.5	75
61	Association of Extreme-Ultraviolet Imaging Telescope (EIT) Polar Plumes with Mixed-Polarity Magnetic Network. Astrophysical Journal, 1997, 484, L75-L78.	4.5	48
62	The Magnetic Nature of Coronal Holes. Science, 1996, 271, 464-469.	12.6	193
63	Solar Implications of [ITAL]Ulysses[/ITAL] Interplanetary Field Measurements. Astrophysical Journal, 1995, 447, .	4.5	154
64	Coronal Plumes and Their Relationship to Network Activity. Astrophysical Journal, 1995, 452, 457.	4.5	49
65	Polar plumes and the solar wind. Astrophysical Journal, 1994, 435, L153.	4.5	88
66	Two types of slow solar wind. Astrophysical Journal, 1994, 437, L67.	4.5	75
67	Understanding the rotation of coronal holes. Astrophysical Journal, 1993, 414, 916.	4.5	91
68	Flux-tube divergence, coronal heating, and the solar wind. Astrophysical Journal, 1993, 410, L123.	4.5	52
69	On potential field models of the solar corona. Astrophysical Journal, 1992, 392, 310.	4.5	441
70	Magnetic flux transport and the sun's dipole moment - New twists to the Babcock-Leighton model. Astrophysical Journal, 1991, 375, 761.	4.5	253
71	A new solar cycle model including meridional circulation. Astrophysical Journal, 1991, 383, 431.	4.5	235
72	Solar wind speed and coronal flux-tube expansion. Astrophysical Journal, 1990, 355, 726.	4.5	731

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73	The solar origin of longâ€term variations of the interplanetary magnetic field strength. Journal of Geophysical Research, 1988, 93, 11227-11236.	3.3	66
74	The quasi-rigid rotation of coronal magnetic fields. Astrophysical Journal, 1988, 327, 427.	4.5	54