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	Solar wind speed and coronal flux-tube expansion. Astrophysical Journal, 1990, 355, 726.	4.5	731
2	Continuous tracking of coronal outflows: Two kinds of coronal mass ejections. Journal of Geophysical Research, 1999, 104, 24739-24767.	3.3	492
3	On potential field models of the solar corona. Astrophysical Journal, 1992, 392, 310.	4.5	441
4	Magnetic flux transport and the sun's dipole moment - New twists to the Babcock-Leighton model. Astrophysical Journal, 1991, 375, 761.	4.5	253
5	Origin of Streamer Material in the Outer Corona. Astrophysical Journal, 1998, 498, L165-L168.	4.5	237
6	A new solar cycle model including meridional circulation. Astrophysical Journal, 1991, 383, 431.	4.5	235
7	Spatial structure of the solar wind and comparisons with solar data and models. Journal of Geophysical Research, 1998, 103, 14587-14599.	3.3	194
8	The Magnetic Nature of Coronal Holes. Science, 1996, 271, 464-469.	12.6	193
9	The dynamical nature of coronal streamers. Journal of Geophysical Research, 2000, 105, 25133-25142.	3.3	184
10	ON THE WEAKENING OF THE POLAR MAGNETIC FIELDS DURING SOLAR CYCLE 23. Astrophysical Journal, 2009, 707, 1372-1386.	4.5	184
11	Solar Implications of [ITAL]Ulysses[/ITAL] Interplanetary Field Measurements. Astrophysical Journal, 1995, 447, .	4.5	154
12	Slow Solar Wind: Observations and Modeling. Space Science Reviews, 2016, 201, 55-108.	8.1	147
13	Large-scale coronal heating by the small-scale magnetic field of the Sun. Nature, 1998, 394, 152-154.	27.8	145
14	The Origin of Postflare Loops. Astrophysical Journal, 2004, 616, 1224-1231.	4.5	106
15	THE STRUCTURE OF STREAMER BLOBS. Astrophysical Journal, 2009, 694, 1471-1480.	4.5	105
16	Understanding the rotation of coronal holes. Astrophysical Journal, 1993, 414, 916.	4.5	91
17	Polar plumes and the solar wind. Astrophysical Journal, 1994, 435, L153.	4.5	88
18	Characteristics of Coronal Inflows. Astrophysical Journal, 2002, 579, 874-887.	4.5	81

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19	Solar Wind Stream Interactions and the Wind Speedâ€“Expansion Factor Relationship. Astrophysical Journal, 1997, 488, L51-L54.	4.5	75
20	Two types of slow solar wind. Astrophysical Journal, 1994, 437, L67.	4.5	75
21	Coronal Holes and Open Magnetic Flux. Space Science Reviews, 2009, 144, 383-399.	8.1	73
22	ON THE NATURE OF THE SOLAR WIND FROM CORONAL PSEUDOSTREAMERS. Astrophysical Journal, 2012, 749, 182.	4.5	72
23	Coronagraph observations of inflows during high solar activity. Geophysical Research Letters, 1999, 26, 1203-1206.	4.0	71
24	The solar origin of longâ€term variations of the interplanetary magnetic field strength. Journal of Geophysical Research, 1988, 93, 11227-11236.	3.3	66
25	SLOW SOLAR WIND FROM OPEN REGIONS WITH STRONG LOW-CORONAL HEATING. Astrophysical Journal, 2009, 691, 760-769.	4.5	65
26	Critical Science Plan for the Daniel K. Inouye Solar Telescope (DKIST). Solar Physics, 2021, 296, 1.	2.5	65
27	Network Activity and the Evaporative Formation of Polar Plumes. Astrophysical Journal, 1998, 501, L145-L150.	4.5	63
28	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
29	IS SOLAR CYCLE 24 PRODUCING MORE CORONAL MASS EJECTIONS THAN CYCLE 23?. Astrophysical Journal Letters, 2014, 784, L27.	8.3	54
30	The quasi-rigid rotation of coronal magnetic fields. Astrophysical Journal, 1988, 327, 427.	4.5	54
31	Flux-tube divergence, coronal heating, and the solar wind. Astrophysical Journal, 1993, 410, L123.	4.5	52
32	Coronal Plumes and Their Relationship to Network Activity. Astrophysical Journal, 1995, 452, 457.	4.5	49
33	Association of Extreme-Ultraviolet Imaging Telescope (EIT) Polar Plumes with Mixed-Polarity Magnetic Network. Astrophysical Journal, 1997, 484, L75-L78.	4.5	48
34	Coronal Inflows and Sector Magnetism. Astrophysical Journal, 2001, 562, L107-L110.	4.5	45
35	FORMATION AND EVOLUTION OF CORONAL HOLES FOLLOWING THE EMERGENCE OF ACTIVE REGIONS. Astrophysical Journal, 2010, 715, 39-50.	4.5	41
36	Surface Flux Transport and the Evolution of the Sunâ€™s Polar Fields. Space Science Reviews, 2017, 210, 351-365.	8.1	41

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37	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
38	First light observations of the solar wind in the outer corona with the Metis coronagraph. Astronomy and Astrophysics, 2021, 656, A32.	5.1	32
39	Small-scale Flux Emergence, Coronal Hole Heating, and Flux-tube Expansion: A Hybrid Solar Wind Model. Astrophysical Journal, 2020, 904, 199.	4.5	31
40	Semiempirical Models of the Slow and Fast Solar Wind. Space Science Reviews, 2012, 172, 123-143.	8.1	30
41	Coronal Inflows and the Sunâ€™s Nonaxisymmetric Open Flux. Astrophysical Journal, 2001, 546, L131-L135.	4.5	30
42	ACTIVE-REGION TILT ANGLES: MAGNETIC VERSUS WHITE-LIGHT DETERMINATIONS OF JOY'S LAW. Astrophysical Journal, 2015, 798, 50.	4.5	29
43	Observations of Low-Latitude Coronal Plumes. Solar Physics, 2008, 249, 17-35.	2.5	27
44	Solar Cycle Variation of the Sunâ€™s Low-Order Magnetic Multipoles: Heliospheric Consequences. Space Science Reviews, 2014, 186, 387-407.	8.1	27
45	Time-dependent hydrodynamical simulations of slow solar wind, coronal inflows, and polar plumes. Astronomy and Astrophysics, 2009, 497, 537-543.	5.1	26
46	CORONAL INFLOWS DURING THE INTERVAL 1996-2014. Astrophysical Journal, 2014, 797, 10.	4.5	25
47	Coronal Pseudo-Streamer and Bipolar Streamer Observed by SOHO/UVCS in March 2008. Solar Physics, 2015, 290, 2043-2054.	2.5	23
48	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
49	PSEUDOSTREAMERS AS THE SOURCE OF A SEPARATE CLASS OF SOLAR CORONAL MASS EJECTIONS. Astrophysical Journal Letters, 2015, 803, L12.	8.3	22
50	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
51	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
52	Small Coronal Holes Near Active Regions as Sources of Slow Solar Wind. Astrophysical Journal, 2017, 841, 94.	4.5	19
53	EVIDENCE FOR TWO SEPARATE HELIOSPHERIC CURRENT SHEETS OF CYLINDRICAL SHAPE DURING MID-2012. Astrophysical Journal, 2014, 780, 103.	4.5	18
54	CONVERGING SUPERGRANULAR FLOWS AND THE FORMATION OF CORONAL PLUMES. Astrophysical Journal, 2016, 818, 203.	4.5	18

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55	Observations of Slow Solar Wind from Equatorial Coronal Holes. Astrophysical Journal, 2019, 880, 146.	4.5	18
56	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
57	CORONAL MASS EJECTIONS AND THE SOLAR CYCLE VARIATION OF THE SUNâ€™S OPEN FLUX. Astrophysical Journal Letters, 2015, 809, L24.	8.3	16
58	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
59	Magnetograph Saturation and the Open Flux Problem. Astrophysical Journal, 2022, 926, 113.	4.5	14
60	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
61	A New Reconstruction of the Sunâ€™s Magnetic Field and Total Irradiance since 1700. Astrophysical Journal, 2021, 920, 100.	4.5	13
62	THE UBIQUITOUS PRESENCE OF LOOPLIKE FINE STRUCTURE INSIDE SOLAR ACTIVE REGIONS. Astrophysical Journal Letters, 2016, 820, L13.	8.3	12
63	Gradual Streamer Expansions and the Relationship between Blobs and Inflows. Astrophysical Journal, 2018, 859, 135.	4.5	12
64	Observations of Solar Wind from Earth-directed Coronal Pseudostreamers. Astrophysical Journal, 2019, 872, 139.	4.5	12
65	Further Evidence for Looplike Fine Structure inside â€œUnipolarâ€•Active Region Plages. Astrophysical Journal, 2019, 885, 34.	4.5	12
66	ROLE OF THE CORONAL ALFVÃ‰N SPEED IN MODULATING THE SOLAR-WIND HELIUM ABUNDANCE. Astrophysical Journal Letters, 2016, 833, L21.	8.3	11
67	TWO-TEMPERATURE MODELS FOR POLAR PLUMES: COOLING BY MEANS OF STRONG BASE HEATING. Astrophysical Journal, 2011, 727, 30.	4.5	9
68	Fe XII STALKS AND THE ORIGIN OF THE AXIAL FIELD IN FILAMENT CHANNELS. Astrophysical Journal, 2013, 770, 72.	4.5	9
69	â€œTwistingâ€•Motions in Erupting Coronal Pseudostreamers as Evidence for Interchange Reconnection. Astrophysical Journal, 2018, 853, 103.	4.5	9
70	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
71	Inflows in the Inner White-light Corona: The Closing-down of Flux after Coronal Mass Ejections. Astrophysical Journal, 2017, 850, 6.	4.5	6
72	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

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73	Surface Flux Transport and the Evolution of the Sunâ€™s Polar Fields. Space Sciences Series of ISSI, 2016, , 351-365.	0.0	0
74	From Coronal Holes to Pulsars and Back Again: Learning the Importance of Data. Frontiers in Astronomy and Space Sciences, 2022, 9, .	2.8	0