Hisashi Hayakawa

List of Publications by Year
in descending order

72	1,284	394390 19	454934 30
papers	citations	h-index	g-index

76	76	76	584
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Temporal and Spatial Evolutions of a Large Sunspot Group and Great Auroral Storms Around the Carrington Event in 1859. Space Weather, 2019, 17, 1553-1569.	3.7	68
2	Intensity and Impact of the New York Railroad Superstorm of May 1921. Space Weather, 2019, 17, 1281-1292.	3.7	55
3	Long-lasting Extreme Magnetic Storm Activities in 1770 Found in Historical Documents. Astrophysical Journal Letters, 2017, 850, L31.	8.3	49
4	East Asian observations of low-latitude aurora during the Carrington magnetic storm. Publication of the Astronomical Society of Japan, 0, , .	2.5	44
5	Low-latitude Aurorae during the Extreme Space Weather Events in 1859. Astrophysical Journal, 2018, 869, 57.	4.5	44
6	The Great Space Weather Event during 1872 February Recorded in East Asia. Astrophysical Journal, 2018, 862, 15.	4.5	44
7	Lifetimes and Emergence/Decay Rates of Star Spots on Solar-type Stars Estimated by Kepler Data in Comparison with Those of Sunspots. Astrophysical Journal, 2019, 871, 187.	4.5	44
8	Possible Cause of Extremely Bright Aurora Witnessed in East Asia on 17 September 1770. Space Weather, 2017, 15, 1373-1382.	3.7	39
9	The Extreme Space Weather Event in 1903 October/November: An Outburst from the Quiet Sun. Astrophysical Journal Letters, 2020, 897, L10.	8.3	36
10	The extreme space weather event in September 1909. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4083-4099.	4.4	35
11	ThaddÃus Derfflingerâ€™s Sunspot Observations during 1802â€“1824: A Primary Reference to Understand the Dalton Minimum. Astrophysical Journal, 2020, 890, 98.	4.5	35
12	Records of sunspot and aurora during CE 960â€“1279 in the Chinese chronicle of the SÃ²ng dynasty. Earth, Planets and Space, 2015, 67, .	2.5	32
13	On the Intensity of the Magnetic Superstorm of September 1909. Space Weather, 2019, 17, 37-45.	3.7	31
14	Historical Auroras in the 990s: Evidence of Great Magnetic Storms. Solar Physics, 2017, 292, 1.	2.5	30
15	Graphical evidence for the solar coronal structure during the Maunder minimum: comparative study of the total eclipse drawings in 1706 and 1715. Journal of Space Weather and Space Climate, 2021, 11, 1.	3.3	29
16	Fieldâ€aligned current signatures during the March 13â€“14, 1989, Great Magnetic Storm. Journal of Geophysical Research, 1992, 97, 10703-10715.	3.3	27
17	On the Size of the Flare Associated with the Solar Proton Event in 774 AD. Astrophysical Journal, 2020, 903, 41.	4.5	27
18	A great space weather event in February 1730. Astronomy and Astrophysics, 2018, 616, A177.	5.1	26

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19	Records of sunspots and aurora candidates in the Chinese official histories of the YuÃ¡n and MÃ¤ng dynasties during 1261â€“1644. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	25
20	The Solar Corona during the Total Eclipse on 1806 June 16: Graphical Evidence of the Coronal Structure during the Dalton Minimum. Astrophysical Journal, 2020, 900, 114.	4.5	21
21	Aurora candidates from the chronicle of QÃ¤ng dynasty in several degrees of relevance. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	20
22	Earliest datable records of aurora-like phenomena in the astronomical diaries from Babylonia. Earth, Planets and Space, 2016, 68, 195.	2.5	19
23	Timelines as a tool for learning about space weather storms. Journal of Space Weather and Space Climate, 2021, 11, 29.	3.3	19
24	The Dalton Minimum and John Daltonâ€™s Auroral Observations. Journal of Space Weather and Space Climate, 2021, 11, 17.	3.3	19
25	Sunspot Observations at the Eimmart Observatory and in Its Neighborhood during the Late Maunder Minimum (1681â€“1718). Astrophysical Journal, 2021, 909, 166.	4.5	19
26	The earliest drawings of datable auroras and a two-tail comet from the Syriac Chronicle of ZÅ«qnÄ«n. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	18
27	Iwahashi Zenbeiâ€™s Sunspot Drawings in 1793 in Japan. Solar Physics, 2018, 293, 1.	2.5	18
28	Two debatable cases for the reconstruction of the solar activity around the Maunder Minimum: Malapert and Derham. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 485, L53-L57.	3.3	18
29	Intensity and time series of extreme solar-terrestrial storm in 1946 March. Monthly Notices of the Royal Astronomical Society, 2020, 497, 5507-5517.	4.4	18
30	Records of sunspot and aurora activity during 581â€“959â€‰CE in Chinese official histories concerning the periods of SuÃ, TÃ¡ng, and the Five Dynasties and Ten Kingdoms. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	17
31	The Earliest Candidates of Auroral Observations in Assyrian Astrological Reports: Insights on Solar Activity around 660 BCE. Astrophysical Journal Letters, 2019, 884, L18.	8.3	17
32	Strong evidence of low levels of solar activity during the Maunder Minimum. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5199-5204.	4.4	17
33	Do the Chinese Astronomical Records Dated AD 776 January 12/13 Describe an Auroral Display or a Lunar Halo? A Critical Re-examination. Solar Physics, 2019, 294, 1.	2.5	16
34	Occurrence of great magnetic storms on 6â€“8 March 1582. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3550-3559.	4.4	16
35	South American auroral reports during the Carrington storm. Earth, Planets and Space, 2020, 72, .	2.5	16
36	Estimating Satellite Orbital Drag During Historical Magnetic Superstorms. Space Weather, 2020, 18, e2020SW002472.	3.7	15

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37	Temporal Variations of the Three Geomagnetic Field Components at Colaba Observatory around the Carrington Storm in 1859. Astrophysical Journal, 2022, 928, 32.	4.5	15
38	Historical space weather monitoring of prolonged aurora activities in Japan and in China. Space Weather, 2017, 15, 392-402.	3.7	14
39	Sunspot observations by Hisako Koyama: 1945â€“1996. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4513-4527.	4.4	13
40	Unusual rainbow and white rainbow: A new auroral candidate in oriental historical sources. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	12
41	Revisiting Kunitomoâ€™s Sunspot Drawings During 1835â€‰â€“â€‰1836 in Japan. Solar Physics, 2019, 294, 1.	2.5	12
42	Daniel MÃ¶glingâ€™s Sunspot Observations in 1626â€“1629: A Manuscript Reference for the Solar Activity before the Maunder Minimum. Astrophysical Journal, 2021, 909, 194.	4.5	12
43	Reanalyses of the sunspot observations of Fogelius and Siverus: two â€˜long-termâ€™ observers during the Maunder minimum. Monthly Notices of the Royal Astronomical Society, 2021, 506, 650-658.	4.4	12
44	Sunspot drawings by Japanese official astronomers in 1749â€“1750. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	11
45	Stephan Prantnerâ€™s Sunspot Observations during the Dalton Minimum. Astrophysical Journal, 2021, 919, 1.	4.5	11
46	Records of auroral candidates and sunspots in Rikkokushi, chronicles of ancient Japan from early 7th century to 887. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	10
47	PSTEP: project for solarâ€“terrestrial environment prediction. Earth, Planets and Space, 2021, 73, .	2.5	10
48	Intense Geomagnetic Storm during Maunder Minimum Possibly by a Quiescent Filament Eruption. Astrophysical Journal, 2019, 887, 7.	4.5	9
49	The Extreme Space Weather Event in 1941 February/March. Astrophysical Journal, 2021, 908, 209.	4.5	9
50	The Intensity and Evolution of the Extreme Solar and Geomagnetic Storms in 1938 January. Astrophysical Journal, 2021, 909, 197.	4.5	9
51	The Current State and Future Directions of Modeling Thermosphere Density Enhancements During Extreme Magnetic Storms. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	9
52	The extreme solar and geomagnetic storms on 1940 March 20â€“25. Monthly Notices of the Royal Astronomical Society, 2022, 517, 1709-1723.	4.4	9
53	Ms. Hisako Koyama: From Amateur Astronomer to Longâ€Term Solar Observer. Space Weather, 2017, 15, 1215-1221.	3.7	8
54	Sunspot Observations on 10 and 11 February 1917: A Case Study in Collating Known and Previously Undocumented Records. Space Weather, 2018, 16, 1740-1752.	3.7	8

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55	The Celestial Sign in the Anglo-Saxon Chronicle in the 770s: Insights on Contemporary Solar Activity. Solar Physics, 2019, 294, 1.	2.5	8
56	An Analysis of Trouvelot's Auroral Drawing on 1/2 March 1872: Plausible Evidence for Recurrent Geomagnetic Storms. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028227.	2.4	7
57	Analyses of Early Sunspot Records by Jean Tarde (1615â€‰â€“â€‰1617) and Jan Smogulecki (1621â€‰â€“â€‰1625). Solar Physics, 2021, 296, 1.	2.5	7
58	Unaided-eye Sunspot Observations in 1769 November: A Comparison of Graphical Records in the East and the West. Solar Physics, 2019, 294, 1.	2.5	6
59	Sporadic auroras near the geomagnetic equator: in the Philippines, on 27 October 1856. Annales Geophysicae, 2018, 36, 1153-1160.	1.6	5
60	Candidate Auroral Observations Indicating a Major Solarâ€“Terrestrial Storm in 1680: Implication for Space Weather Events during the Maunder Minimum. Astrophysical Journal, 2021, 909, 29.	4.5	5
61	Johann Christoph MÃ¼llerâ€™s Sunspot Observations in 1719â€‰â€“â€‰1720: Snapshots of the Immediate Aftermath of the Maunder Minimum. Solar Physics, 2021, 296, 1.	2.5	5
62	A review for Japanese auroral records on the three extreme space weather events around the International Geophysical Year (1957â€“1958). Geoscience Data Journal, 2023, 10, 142-157.	4.4	5
63	A candidate auroral report in the Bamboo Annals, indicating a possible extreme space weather event in the early 10th century BCE. Advances in Space Research, 2023, 72, 5767-5776.	2.6	4
64	A Transit of Venus Possibly Misinterpreted as an Unaided-Eye Sunspot Observation in China on 9 December 1874. Solar Physics, 2019, 294, 1.	2.5	3
65	A possible case of sporadic aurora observed at Rio de Janeiro. Earth, Planets and Space, 2020, 72, .	2.5	3
66	Cometary records revise Eastern Mediterranean chronology around 1240ÂCE. Publication of the Astronomical Society of Japan, 2021, 73, 197-204.	2.5	2
67	The extreme space weather events in October 1788. Publication of the Astronomical Society of Japan, 2021, 73, 1367-1374.	2.5	2
68	Provenance of the cross sign of 806 in the Anglo-Saxon Chronicle: a possible lunar halo over continental Europe?. History of Geo- and Space Sciences, 2020, 11, 81-92.	0.4	2
69	Three case reports on the cometary plasma tail in the historical documents. Journal of Space Weather and Space Climate, 2021, 11, 21.	3.3	1
70	Great â€œSpace Weather Eventsâ€•in March 1653 and September 1672 Were Not Supported With Simultaneous/Clustering Auroral Observations During the Maunder Minimum. Frontiers in Astronomy and Space Sciences, 2022, 9, .	2.8	1
71	Inference of magnetic field during the Dalton minimum: Case study with recorded sunspot areas. Publication of the Astronomical Society of Japan, 2022, 74, 767-776.	2.5	1
72	MEASUREMENT OF SPIN-ORBIT SPLITTING IN $^{13}_{\kern4.5pt \Lambda}{\rm C}$ HYPERNUCLEUS. , 2000, , .		0