JosÃ© M Vaquero

List of Publications by Year
in descending order

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206	4,219	172386	155592
papers	citations	29	55
		h-index	g-index

218	218	218	2177
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Revisiting the Sunspot Number. Space Science Reviews, 2014, 186, 35-103.	3.7	526
2	The Maunder minimum (1645â€“1715) was indeed a grand minimum: A reassessment of multiple datasets. Astronomy and Astrophysics, 2015, 581, A95.	2.1	158
3	Historical sunspot observations: A review. Advances in Space Research, 2007, 40, 929-941.	1.2	148
4	A Revised Collection of Sunspot Group Numbers. Solar Physics, 2016, 291, 3061-3074.	1.0	130
5	The Sun Recorded Through History. Astrophysics and Space Science Library, 2009, , .	1.0	107
6	REVISITED SUNSPOT DATA: A NEW SCENARIO FOR THE ONSET OF THE MAUNDER MINIMUM. Astrophysical Journal Letters, 2011, 731, L24.	3.0	87
7	Trends in Block-Seasonal Extreme Rainfall over the Iberian Peninsula in the Second Half of the Twentieth Century. Journal of Climate, 2007, 20, 113-130.	1.2	86
8	Trends in frequency indices of daily precipitation over the Iberian Peninsula during the last century. Journal of Geophysical Research, 2011, 116, .	3.3	85
9	Visualization of the challenges and limitations of the long-term sunspot number record. Nature Astronomy, 2019, 3, 205-211.	4.2	81
10	Iberia in 1816, the year without a summer. International Journal of Climatology, 2009, 29, 99-115.	1.5	80
11	Historical sunspot records. Living Reviews in Solar Physics, 2020, 17, 1.	7.8	79
12	Revision of the Sunspot Number(s). Space Weather, 2015, 13, 529-530.	1.3	68
13	Level and length of cyclic solar activity during the Maunder minimum as deduced from the active-day statistics. Astronomy and Astrophysics, 2015, 577, A71.	2.1	68
14	Unlocking Pre-1850 Instrumental Meteorological Records: A Global Inventory. Bulletin of the American Meteorological Society, 2019, 100, ES389-ES413.	1.7	68
15	A 250-year cycle in naked-eye observations of sunspots. Geophysical Research Letters, 2002, 29, 58-1-58-4.	1.5	63
16	A categorization method applied to the study of urban road traffic noise. Journal of the Acoustical Society of America, 2005, 117, 2844-2852.	0.5	60
17	Preface to Topical Issue: Recalibration of the Sunspot Number. Solar Physics, 2016, 291, 2479-2486.	1.0	60
18	The NAO signal in daily rainfall series over the Iberian Peninsula. Climate Research, 2005, 29, 103-109.	0.4	57

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19	Solar Rotation in the 17th century. Solar Physics, 2006, 234, 379-392.	1.0	49
20	Early Portuguese meteorological measurements (18th century). Climate of the Past, 2012, 8, 353-371.	1.3	49
21	Assessing extreme droughts in Spain during 1750â€“1850 from rogation ceremonies. Climate of the Past, 2012, 8, 705-722.	1.3	46
22	Changes in frequency and intensity of daily precipitation over the Iberian Peninsula. Journal of Geophysical Research, 2006, 111, .	3.3	44
23	Early Spanish meteorological records (1780â€“1850). International Journal of Climatology, 2014, 34, 593-603.	1.5	36
24	The Extreme Space Weather Event in 1903 October/November: An Outburst from the Quiet Sun. Astrophysical Journal Letters, 2020, 897, L10.	3.0	36
25	Solar Signal in the Number of Floods Recorded for the Tagus River Basin over the Last Millennium. Climatic Change, 2004, 66, 23-26.	1.7	34
26	Redefining the limit dates for the Maunder Minimum. New Astronomy, 2015, 34, 120-122.	0.8	34
27	Cosmic-Ray Extremely Distributed Observatory. Symmetry, 2020, 12, 1835.	1.1	33
28	Sunspots During the Maunder Minimum from Machina Coelestis by Hevelius. Solar Physics, 2015, 290, 2719-2732.	1.0	32
29	Did anomalous atmospheric circulation favor the spread of COVID-19 in Europe?. Environmental Research, 2021, 194, 110626.	3.7	32
30	Sunspot Numbers and Areas from the Madrid Astronomical Observatory (1876â€‰â€“â€‰1986). Solar Physics, 2014, 289, 4335-4349.	1.0	31
31	The 1870 space weather event: Geomagnetic and auroral records. Journal of Geophysical Research, 2008, 113, .	3.3	30
32	The first meteorological measurements in the Iberian Peninsula: evaluating the storm of November 1724. Climatic Change, 2013, 118, 443-455.	1.7	27
33	A Historical Analog of 2005 Hurricane Vince. Bulletin of the American Meteorological Society, 2008, 89, 191-202.	1.7	26
34	A great space weather event in February 1730. Astronomy and Astrophysics, 2018, 616, A177.	2.1	26
35	Revised Group Sunspot Number Values for 1640, 1652, and 1741. Solar Physics, 2014, 289, 803-808.	1.0	25
36	Sunspot latitudes during the Maunder Minimum: A machine-readable catalogue from previous studies. Advances in Space Research, 2015, 55, 1546-1552.	1.2	25

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37	Long-Term Trends and Gleissberg Cycles in Aurora Borealis Records (1600â€‰â€“â€‰2015). Solar Physics, 2016, 291, 613-642.	1.0	25
38	Auroras observed in the Iberian Peninsula (1700â€“1855) from Rico Sinobasâ€™ catalogue. Journal of Atmospheric and Solar-Terrestrial Physics, 2003, 65, 677-682.	0.6	24
39	A ?lost? sunspot observation in 1785. Astronomische Nachrichten, 2005, 326, 112-114.	0.6	24
40	Witnessing the impact of the 1783â€“1784 Laki eruption in the Southern Hemisphere. Climatic Change, 2010, 99, 535-546.	1.7	24
41	A Simple Method to Check the Reliability of Annual Sunspot Number in the Historical Period 1610â€‰â€“â€‰1847. Solar Physics, 2012, 277, 389-395.	1.0	24
42	The impact of a future solar minimum on climate change projections in the Northern Hemisphere. Environmental Research Letters, 2016, 11, 034015.	2.2	24
43	Sunspot Observations During the Maunder Minimum from the Correspondence of John Flamsteed. Solar Physics, 2016, 291, 2493-2503.	1.0	24
44	Auroras Observed in Portugal in Late 18th Century Obtained from Printed and Manuscript Meteorological Observations. Solar Physics, 2005, 231, 157-166.	1.0	23
45	Climatic potential of Islamic chronicles in Iberia: Extreme droughts (ad 711â€“1010). Holocene, 2014, 24, 370-374.	0.9	23
46	Sunspot Characteristics at the Onset of the Maunder Minimum Based on the Observations of Hevelius. Astrophysical Journal, 2019, 886, 18.	1.6	23
47	Francisco SalvÃ¡â€™s auroral observations from Barcelona during 1780â€“1825. Advances in Space Research, 2010, 45, 1388-1392.	1.2	22
48	Reconstructing past solar activity using meridian solar observations: The case of the Royal Observatory of the Spanish Navy (1833â€“1840). Advances in Space Research, 2014, 53, 1162-1168.	1.2	22
49	On the solar activity during the year 1784. Solar Physics, 2004, 219, 379-384.	1.0	21
50	On the Connection Between Solar Activity and Low-Latitude Aurorae in the Period 1715 â€“ 1860. Solar Physics, 2006, 238, 405-420.	1.0	21
51	Ozone mini-hole over southwestern Spain during January 2004: Influence over ultraviolet radiation. Geophysical Research Letters, 2007, 34, .	1.5	21
52	Acoustical environment of the medieval centre of CÃ¡ceres (Spain). Applied Acoustics, 2012, 73, 673-685.	1.7	21
53	Early meteorological records from Latin-America and the Caribbean during the 18th and 19th centuries. Scientific Data, 2017, 4, 170169.	2.4	21
54	A Measure of the Solar Rotation During the Maunder Minimum. Solar Physics, 2002, 207, 219-222.	1.0	20

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55	Sunspot numbers during 1736â€“1739 revisited. Advances in Space Research, 2007, 40, 1895-1903.	1.2	20
56	The climate in Zafra from 1750 to 1840: precipitation. Climatic Change, 2015, 129, 267-280.	1.7	20
57	Spatial impact and triggering conditions of the exceptional hydro-geomorphological event of DecemberÂ1909 in Iberia. Natural Hazards and Earth System Sciences, 2016, 16, 371-390.	1.5	20
58	Reconstruction of a Monthly Homogeneous Sunspot Area Series Since 1832. Solar Physics, 2004, 221, 179-189.	1.0	19
59	HSUNSPOTS: A tool for the analysis of historical sunspot drawings. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 187-190.	0.6	19
60	The controversial early brightening in the first half of 20th century: A contribution from pyrheliometer measurements in Madrid (Spain). Global and Planetary Change, 2014, 115, 71-75.	1.6	19
61	Sunspot Observations Made by Hallaschka During the Dalton Minimum. Solar Physics, 2018, 293, 1.	1.0	19
62	Revisiting the Sunspot Number. Space Sciences Series of ISSI, 2015, , 35-103.	0.0	19
63	Two Early Sunspots Observers: Teodoro de Almeida and JosÃ© Antonio Alzate. Solar Physics, 2007, 240, 165-175.	1.0	18
64	Sunspot Catalogue of the Valencia Observatory (1920â€‰â€“â€‰1928). Solar Physics, 2014, 289, 4351-4364.	1.0	18
65	Historical Heliophysical Series of the Ebro Observatory. Solar Physics, 2016, 291, 2587-2607.	1.0	18
66	The Umbraâ€“Penumbra Area Ratio of Sunspots During the Maunder Minimum. Astrophysical Journal, 2018, 865, 88.	1.6	18
67	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.	1.2	18
68	Number of sunspot groups from the Galileoâ€“Scheiner controversy revisited. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2482-2492.	1.6	18
69	Evidence for a sunspot in A.D. 939 in an Arabian Source. Solar Physics, 2002, 206, 209-211.	1.0	17
70	On the Reliability of the de la rue Sunspot Area Measurements. Solar Physics, 2002, 209, 311-319.	1.0	17
71	The Sunspot Catalogues of Carrington, Peters and de la Rue: Quality Control and Machine-Readable Versions. Solar Physics, 2014, 289, 79-90.	1.0	17
72	Extreme Value Theory Applied to the Millennial Sunspot Number Series. Astrophysical Journal, 2018, 853, 80.	1.6	17

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73	Strong evidence of low levels of solar activity during the Maunder Minimum. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5199-5204.	1.6	17
74	The meteorological observations of Bento Sanches Dorta, Rio de Janeiro, Brazil: 1781â€“1788. Climatic Change, 2012, 115, 579-595.	1.7	16
75	How useful could Arabic documentary sources be for reconstructing past climate?. Weather, 2012, 67, 76-82.	0.6	16
76	Forty two years counting spots: Solar observations by D.E. Hadden during 1890â€“1931 revisited. New Astronomy, 2013, 25, 95-102.	0.8	16
77	An Early Sunspot Catalog by Miguel Aguilar for the Period 1914â€‰â€“â€‰1920. Solar Physics, 2016, 291, 2609-2628.	1.0	16
78	An Optical Atmospheric Phenomenon Observed in 1670 over the City of Astrakhan Was Not a Mid-Latitude Aurora. Solar Physics, 2017, 292, 1.	1.0	16
79	A Curious History of Sunspot Penumbrae: An Update. Solar Physics, 2018, 293, 1.	1.0	16
80	Reconstructing The Trajectory of The August 1680 Hurricane From Contemporary Records. Bulletin of the American Meteorological Society, 2009, 90, 971-978.	1.7	15
81	Sunspot Catalogue of the Observatory of the University of Coimbra (1929â€‰â€“â€‰1941). Solar Physics, 2018, 293, 1.	1.0	15
82	A Limit for the Values of the Dst Geomagnetic Index. Geophysical Research Letters, 2018, 45, 9435-9440.	1.5	15
83	Aurorae Observed at the Canary Islands. Solar Physics, 2010, 267, 431-444.	1.0	14
84	Geomagnetic records of Carrâ€™s storm from Guatemala. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 308-315.	0.6	14
85	An early weather diary from Iberia (Lisbon, 1631â€“1632). Weather, 2015, 70, 20-24.	0.6	14
86	Equivalence Relations Between the Cortie and ZÃ¼rich Sunspot Group Morphological Classifications. Solar Physics, 2015, 290, 1445-1455.	1.0	14
87	A forgotten naked-eye sunspot recorded by Galileo. Solar Physics, 2004, 223, 283-286.	1.0	13
88	Effects of Leisure Activity Related Noise in Residential Zones. Building Acoustics, 2005, 12, 265-276.	1.1	13
89	Can the Solar Cycle Amplitude Be Predicted Using theÂPreceding Solar Cycle Length?. Solar Physics, 2008, 250, 199-206.	1.0	13
90	Is the Suess cycle present in historical naked-eye observations of sunspots?. New Astronomy, 2009, 14, 307-310.	0.8	13

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91	A Note on Solar Cycle Length During the Medieval Climate Anomaly. Solar Physics, 2012, 279, 289-294.	1.0	13
92	The climate in Zafra from 1750 to 1840: history and description of weather observations. Climatic Change, 2014, 126, 107-118.	1.7	13
93	Sunspot group tilt angle measurements from historical observations. Advances in Space Research, 2016, 58, 1468-1474.	1.2	13
94	Variability analysis of the reconstructed daily global solar radiation under all-sky and cloud-free conditions in Madrid during the period 1887â€“1950. Atmospheric Research, 2017, 191, 94-100.	1.8	13
95	A note on the sunspot and prominence records made by Angelo Secchi during the period 1871â€“1875. Journal of Space Weather and Space Climate, 2021, 11, 51.	1.1	13
96	The proposed â€œWaldmeier discontinuityâ€: How does it affect to sunspot cycle characteristics?. Journal of Space Weather and Space Climate, 2012, 2, A12.	1.1	12
97	Long-term Spatial and Temporal Variations of Aurora Borealis Events in the Period 1700â€‰â€“â€‰1905. Solar Physics, 2014, 289, 1843-1861.	1.0	12
98	A Normalized Sunspot-Area Series Starting in 1832: An Update. Solar Physics, 2016, 291, 2931-2940.	1.0	12
99	Extreme Value Theory and the New Sunspot Number Series. Astrophysical Journal, 2017, 839, 98.	1.6	12
100	Sporadic aurora from Spain. Earth, Planets and Space, 2007, 59, e49-e51.	0.9	11
101	Spanish eyewitness accounts of the great space weather event of 1859. Acta Geodaetica Et Geophysica Hungarica, 2011, 46, 370-377.	0.4	11
102	The First Documented Space Weather Event That Perturbed the Communication Networks in Iberia. Space Weather, 2016, 14, 464-468.	1.3	11
103	Unusual rainbows as auroral candidates: Another point of view. Publication of the Astronomical Society of Japan, 2017, 69, .	1.0	11
104	The climate in Zafra from 1750 to 1840: temperature indexes from documentary sources. Climatic Change, 2017, 141, 671-684.	1.7	11
105	Results of the Rio de Janeiro magnetic observations 1781â^'1788. Annales Geophysicae, 2005, 23, 1881-1887.	0.6	10
106	Identification of Possible Intense Historical Solar Storms During the Years 1781â€“1788 Inferred from Aurorae and Geomagnetic Observations in Rio De Janeiro. Solar Physics, 2006, 235, 419-432.	1.0	10
107	Sunspot numbers can detect pandemic influenza A: The use of different sunspot numbers. Medical Hypotheses, 2007, 68, 1189-1190.	0.8	10
108	The New Sunspot-Number Index and Solar-Cycle Characteristics. Solar Physics, 2016, 291, 3045-3060.	1.0	10

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109	Soonspot: Software to Determine Areas and Sunspot Positions. Solar Physics, 2020, 295, 1.	1.0	10
110	<i>Letter to the Editor</i>Two early observations of aurora at low latitudes. Annales Geophysicae, 2001, 19, 809-811.	0.6	10
111	A Note on Solar Cycle Length Estimates. Solar Physics, 2006, 235, 433-437.	1.0	9
112	A note on the relationship between sunspot numbers and active days. Advances in Space Research, 2014, 53, 1180-1183.	1.2	9
113	Monitoring the Solar Radius from the Royal Observatory of the Spanish Navy since 1773. Solar Physics, 2016, 291, 1599-1612.	1.0	9
114	Numerical reconstruction of historical extreme floods: The Guadiana event of 1876. Journal of Hydrology, 2021, 599, 126292.	2.3	9
115	Measuring solar limb-darkening with modest equipment. European Journal of Physics, 2002, 23, 323-330.	0.3	8
116	The Solar Corona in the Eclipse of 24 June 1778. Solar Physics, 2003, 216, 41-45.	1.0	8
117	A possible case of Sporadic Aurora in 1843 from Mexico. Geofisica International, 2013, 52, 87-92.	0.2	8
118	A Sunspot Catalog for the Period 1952â€‰â€“â€‰1986 from Observations Made at the Madrid Astronomical Observatory. Solar Physics, 2018, 293, 1.	1.0	8
119	Re-evaluation of trends in atmospheric column transparency from pyrheliometer measurements in Madrid (1910â€“1929). Atmospheric Research, 2019, 217, 165-171.	1.8	8
120	Revisiting Christoph Scheinerâ€™s Sunspot Records: A New Perspective on Solar Activity of the Early Telescopic Era. Astrophysical Journal, 2022, 927, 193.	1.6	8
121	Sunspot observations by Charles Malapert during the period 1618â€“1626: a key data set to understand solar activity before the Maunder minimum. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3884-3895.	1.6	7
122	Analysis of actinometric measurements under all-sky and cloud-free conditions in Cáceres (Spain) for the period 1913–1920. Tellus, Series B: Chemical and Physical Meteorology, 2022, 71, 1663597.	0.8	7
123	New evidence of the Suess/de Vries cycle existing in historical naked-eye observations of sunspots. Open Astronomy, 2020, 29, 28-31.	0.2	7
124	Analyses of Early Sunspot Records by Jean Tarde (1615â€‰â€“â€‰1617) and Jan Smogulecki (1621â€‰â€“â€‰1625). Solar Physics, 2021, 296, 1.	1.0	7
125	Aurorae observed by Giuseppe Toaldo in Padua (1766â€“1797). Journal of Space Weather and Space Climate, 2016, 6, A21.	1.1	6
126	Sunspots sketches during the solar eclipses of 9th January and 29th December of 1777 in Mexico. Journal of Space Weather and Space Climate, 2017, 7, A15.	1.1	6

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127	Temporal variation and asymmetry of sunspot and solar plage types from 1930 to 1936. Advances in Space Research, 2019, 63, 3738-3748.	1.2	6
128	Relationship between solar activity and direct solar irradiance in Madrid (1910â€“1929). Atmospheric Research, 2020, 235, 104766.	1.8	6
129	Revisiting the Amplitude of Solar Cycle 9: The Case of Sunspot Observations by W.C. Bond. Solar Physics, 2020, 295, 1.	1.0	6
130	Sunshine duration data in San Fernando (South of Spain) during 1880s: The impact of Krakatoa volcanic eruption. Geoscience Data Journal, 2020, 7, 185-191.	1.8	6
131	A Reanalysis of the Number of Sunspot Groups Recorded by Pierre Gassendi in the Cycle Before the Maunder Minimum. Solar Physics, 2021, 296, 1.	1.0	6
132	A forgotten sunspot record during the Maunder Minimum (Jean Charles Gallet, 1677). Publication of the Astronomical Society of Japan, 2021, 73, 747-752.	1.0	6
133	Hemispheric Sunspot Number from the Madrid Astronomical Observatory for the Period 1935â€“1986. Astrophysical Journal, 2022, 931, 52.	1.6	6
134	Results of geomagnetic observations in Central Africa by Portuguese explorers during 1877â€“1885. Physics of the Earth and Planetary Interiors, 2006, 157, 8-15.	0.7	5
135	A test for the sunspot theory of schizophrenia. Medical Hypotheses, 2009, 73, 268.	0.8	5
136	155-day Periodicity in solar cycles 3 and 4. New Astronomy, 2010, 15, 385-391.	0.8	5
137	The Hidden Role of Women in Monitoring Nineteenth-Century African Weather: Instrumental Observations in Equatorial Guinea. Bulletin of the American Meteorological Society, 2011, 92, 315-324.	1.7	5
138	Sporadic auroras near the geomagnetic equator: in the Philippines, on 27 October 1856. Annales Geophysicae, 2018, 36, 1153-1160.	0.6	5
139	Sunspot and Group Number: Recent advances from historical data. Proceedings of the International Astronomical Union, 2018, 14, 156-159.	0.0	5
140	Pro-Pluvia Rogation Ceremonies in Extremadura (Spain): Are They a Good Proxy of Winter NAO?. Atmosphere, 2020, 11, 282.	1.0	5
141	Solar Cycle 25 is Currently Very Similar to Solar Cycle 24. Research Notes of the AAS, 2021, 5, 181.	0.3	5
142	The catastrophic floods in the Guadiana River basin since 1500 CE. Science of the Total Environment, 2021, 797, 149141.	3.9	5
143	External forcing mechanisms controlling the North Atlantic coastal upwelling regime during the mid-Holocene. Geology, 2021, 49, 433-437.	2.0	5
144	The Great Aurora of January 1770 observed in Spain. History of Geo- and Space Sciences, 2018, 9, 133-139.	0.1	5

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145	An old apparatus for physics teaching: Escricheâ€™s pendulum. Physics Teacher, 2000, 38, 424-425.	0.2	4
146	Mental illness and sunspot number: Is there a relationship?. Medical Hypotheses, 2008, 70, 204.	0.8	4
147	Solar Rotation During the Period 1847â€‰â€“â€‰1849. Solar Physics, 2010, 261, 1-9.	1.0	4
148	Solar irradiance and total ozone over El Arenosillo (Spain) during the solar eclipse of 3 October 2005. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 789-793.	0.6	4
149	A small collection of sunspot drawings made in the Royal Astronomical Observatory of the Spanish Navy in 1884. Advances in Space Research, 2016, 58, 2247-2254.	1.2	4
150	Evidence of a White-Light Flare on 10 September 1886. Solar Physics, 2017, 292, 1.	1.0	4
151	Could a Hexagonal Sunspot Have Been Observed During the Maunder Minimum?. Solar Physics, 2018, 293, 1.	1.0	4
152	Eric Strach: Four Decades of Detailed Synoptic Solar Observations (1969â€2008). Space Weather, 2019, 17, 796-802.	1.3	4
153	Twelve Years of Daily Weather Descriptions in North America in the Eighteenth Century (Mexico City,) Tj ETQq1 1 0.784314 rgBT /Ov	1.7	4
154	Heavy Rainfall and Landslide Event in January 1831 at the Pedregoso Mountains (Cabeza Del Buey, SW) Tj ETQq0 0 0 rgBT /Overlock 10	1.0	4
155	Sunspot Observations by Barnaba Oriani (1778â€‰â€“â€‰1779). Solar Physics, 2020, 295, 1.	1.0	4
156	Early sunshine duration and cloud cover records in Coimbra (Portugal) for the period 1891â€“1950. International Journal of Climatology, 2021, 41, 4977-4986.	1.5	4
157	On the Use of Naked-eye Sunspot Observations during the Maunder Minimum. Astrophysical Journal, 2020, 904, 60.	1.6	4
158	A Sunspot Catalog by Rafael Carrasco at the Madrid Astronomical Observatory for the Period 1931â€‰â€“â€‰1933. Solar Physics, 2022, 297, .	1.0	4
159	An Early Assessment of the Forecast by the Solar Cycle 25 Prediction Panel. Research Notes of the AAS, 2022, 6, 121.	0.3	4
160	Solar Global Radiation and Sunshine Duration in Extremadura (Spain). Physica Scripta, 2005, , 24.	1.2	3
161	A Pioneer in Tropical Meteorology: William Sharpe's Barbados Weather Journal, Aprilâ€“August 1680. Bulletin of the American Meteorological Society, 2007, 88, 1957-1964.	1.7	3
162	Early observation of the aurora australis: AD 1640. Astronomy and Geophysics, 2009, 50, 5.20-5.24.	0.1	3

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163	Historical records of solar grand minima: a review. Proceedings of the International Astronomical Union, 2011, 7, 383-392.	0.0	3
164	An early scientific report of ball lightning from Brazil. Weather, 2012, 67, 96-97.	0.6	3
165	Influence of solar eclipse of November 3rd, 2013 on the total ozone column over Badajoz, Spain. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 112, 43-46.	0.6	3
166	The first meteorological observations at a tropical high elevation site: Antisana, 1846. Journal of Mountain Science, 2016, 13, 1047-1055.	0.8	3
167	Analysing Spotless Days as Predictors of Solar Activity from the New Sunspot Number. Solar Physics, 2017, 292, 1.	1.0	3
168	Early geomagnetic data from the Astronomical Observatory of Madrid (1879â€“1901). Geoscience Data Journal, 2018, 5, 87-93.	1.8	3
169	Portuguese eyewitness accounts of the great space weather event of 1582. Journal of Space Weather and Space Climate, 2020, 10, 4.	1.1	3
170	Recovery of early meteorological records from Extremadura region (SW Iberia): The â€˜CliPastExtremâ€™ (v1.0) database. Geoscience Data Journal, 2022, 9, 207-220.	1.8	3
171	Relationship between the Sunspot Number and Active Day Fraction: An Application for the Maunder Minimum. Astrophysical Journal, 2022, 933, 26.	1.6	3
172	A measurement of Teide height in 1776. European Journal of Physics, 1999, 20, 321-325.	0.3	2
173	An observation of a fogbow in the Natural Park of MonfragÃ¼e, Spain. Weather, 2002, 57, 446-448.	0.6	2
174	Periodicities of the de la rue Sunspot Area Measurements. Solar Physics, 2003, 218, 307-317.	1.0	2
175	An unsung hero. Astronomy and Geophysics, 2008, 49, 2.14-2.16.	0.1	2
176	A CRITICAL COMMENT ON THE CLAIMED RELATION BETWEEN THE SOLAR MAXIMUM AMPLITUDE AND MAX-MAX CYCLE LENGTH. Astronomical Journal, 2012, 144, 69.	1.9	2
177	Measuring solar rotation from digital camera images. European Journal of Physics, 2013, 34, 527-536.	0.3	2
178	The Solar Rotation in the Period 1853â€‰â€“â€‰1870 from the Sunspot Catalogues of Carrington, Peters, and de la Rue. Solar Physics, 2015, 290, 2189-2198.	1.0	2
179	Determining sunspot positions in the classroom using the Carrington method. European Journal of Physics, 2016, 37, 045707.	0.3	2
180	Extreme Value Theory Applied to the Daily Solar Radio Flux at 10.7 cm. Solar Physics, 2019, 294, 1.	1.0	2

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181	Sunspot Records by Antonio Colla Just After the Dalton Minimum. Solar Physics, 2020, 295, 1.	1.0	2
182	The Sunspot Drawing Collection of the National Solar Observatory at Sacramento Peak (1947â€“2004). Solar Physics, 2021, 296, 1.	1.0	2
183	Sunspot Catalog (1921â€“1935) and Area Series (1886â€“1940) from the Stonyhurst College Observatory. Astrophysical Journal, Supplement Series, 2021, 256, 38.	3.0	2
184	Terrestrial Aurorae and Solarâ€“Terrestrial Relations. Astrophysics and Space Science Library, 2009, , 279-336.	1.0	2
185	Ball lightning: a Renaissance account from Zafra (Spain). History of Geo- and Space Sciences, 2017, 8, 53-56.	0.1	2
186	An early clear sky record from Eastern Spain: 1837â€“1879. International Journal of Climatology, 2015, 35, 999-1006.	1.5	1
187	Metric Properties of Sundials using 3-D Models from Digital Photography. Historical Archaeology, 2017, 51, 557-562.	0.5	1
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