

# Frédéric Clette

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

2,126  
citations

304743

22  
h-index

315739

38  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1338  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting the Sunspot Number. <i>Space Science Reviews</i> , 2014, 186, 35-103.	8.1	526
2	The New Sunspot Number: Assembling All Corrections. <i>Solar Physics</i> , 2016, 291, 2629-2651.	2.5	227
3	Active region EUV transient brightenings – First Results by EIT of SOHO JOP 80. <i>Solar Physics</i> , 1999, 186, 207-229.	2.5	219
4	A Revised Collection of Sunspot Group Numbers. <i>Solar Physics</i> , 2016, 291, 3061-3074.	2.5	130
5	From the Wolf number to the International Sunspot Index: 25 years of SIDC. <i>Advances in Space Research</i> , 2007, 40, 919-928.	2.6	106
6	LYRA, a solar UV radiometer on Proba2. <i>Advances in Space Research</i> , 2006, 37, 303-312.	2.6	80
7	SWAP onboard PROBA 2, a new EUV imager for solar monitoring. <i>Advances in Space Research</i> , 2006, 38, 1807-1811.	2.6	79
8	Revision of the Sunspot Number(s). <i>Space Weather</i> , 2015, 13, 529-530.	3.7	68
9	Preface to Topical Issue: Recalibration of the Sunspot Number. <i>Solar Physics</i> , 2016, 291, 2479-2486.	2.5	60
10	The Revised Brussels–Locarno Sunspot Number (1981–2015). <i>Solar Physics</i> , 2016, 291, 2733-2761.	2.5	58
11	A global small sunspot deficit at the base of the index anomalies of solar cycle 23. <i>Astronomy and Astrophysics</i> , 2011, 536, L11.	5.1	53
12	Association of Extreme-Ultraviolet Imaging Telescope (EIT) Polar Plumes with Mixed-Polarity Magnetic Network. <i>Astrophysical Journal</i> , 1997, 484, L75-L78.	4.5	48
13	Extreme Geomagnetic Storms – 1868–2010. <i>Solar Physics</i> , 2016, 291, 1447-1481.	2.5	45
14	Detailed Analysis of Solar Data Related to Historical Extreme Geomagnetic Storms: 1868–2010. <i>Solar Physics</i> , 2016, 291, 1483-1531.	2.5	40
15	Survey and Merging of Sunspot Catalogs. <i>Solar Physics</i> , 2014, 289, 545-561.	2.5	39
16	Are the sunspots really vanishing?. <i>Journal of Space Weather and Space Climate</i> , 2012, 2, A06.	3.3	36
17	Multi-instrument observations of the solar eclipse on 20 March 2015 and its effects on the ionosphere over Belgium and Europe. <i>Journal of Space Weather and Space Climate</i> , 2017, 7, A19.	3.3	33
18	Hemispheric sunspot numbers 1874–2020. <i>Astronomy and Astrophysics</i> , 2021, 652, A56.	5.1	33

#	ARTICLE	IF	CITATIONS
19	The Preflight Photometric Calibration of the Extreme-Ultraviolet Imaging Telescope EIT. <i>Solar Physics</i> , 2000, 195, 13-44.	2.5	32
20	Uncertainties in the Sunspot Numbers: Estimation and Implications. <i>Solar Physics</i> , 2016, 291, 2709-2731.	2.5	32
21	The Sidc: World Data Center for the Sunspot Index. <i>Solar Physics</i> , 2004, 224, 113-120.	2.5	27
22	Solar activity: nowcasting and forecasting at the SIDC. <i>Annales Geophysicae</i> , 2005, 23, 3115-3128.	1.6	25
23	Is the $<i>F</i><sub>10.7</sub>$ Sunspot Number relation linear and stable?. <i>Journal of Space Weather and Space Climate</i> , 2021, 11, 2.	3.3	17
24	Solar weather monitoring. <i>Annales Geophysicae</i> , 2005, 23, 3149-3161.	1.6	15
25	Global Asymmetry of the Sun Observed in the Extreme Ultraviolet Radiation. <i>Solar Physics</i> , 2001, 201, 27-36.	2.5	14
26	Sunspot observations by Hisako Koyama: 1945–1996. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 4513-4527.	4.4	13
27	Spatial Distribution and North–South Asymmetry of Coronal Bright Points from Mid-1998 to Mid-1999. <i>Solar Physics</i> , 2005, 231, 29-44.	2.5	10
28	Nonlinear solar cycle forecasting: theory and perspectives. <i>Annales Geophysicae</i> , 2008, 26, 231-241.	1.6	10
29	A Sunspot Catalog for the Period 1952–1986 from Observations Made at the Madrid Astronomical Observatory. <i>Solar Physics</i> , 2018, 293, 1.	2.5	8
30	Observations of the solar corona in polarized white light during the total solar eclipse of February 16, 1980: Preliminary results. <i>Solar Physics</i> , 1985, 98, 163.	2.5	7
31	Active Latitude Oscillations Observed on the Sun. <i>Solar Physics</i> , 2016, 291, 1077-1087.	2.5	7
32	A Modern Reconstruction of Richard Carrington’s Observations (1853–1861). <i>Solar Physics</i> , 2021, 296, 1.	2.5	7
33	Imaging the solar corona in the EUV. <i>Advances in Space Research</i> , 1997, 20, 2231-2237.	2.6	6
34	Sunspot and Group Number: Recent advances from historical data. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 156-159.	0.0	5
35	The new Sunspot Number: continuing upgrades and possible impacts. <i>Proceedings of the International Astronomical Union</i> , 2018, 13, 17-22.	0.0	4
36	Reconstruction of the Sunspot Number Source Database and the 1947 Zurich Discontinuity. <i>Solar Physics</i> , 2021, 296, 1.	2.5	4

#	ARTICLE	IF	CITATIONS
37	Nonparametric monitoring of sunspot number observations. Journal of Quality Technology, 2023, 55, 104-118.	2.5	2
38	Long term variations in the Extreme UV corona: the EIT/SoHO perspective. Symposium - International Astronomical Union, 2001, 203, 501-504.	0.1	1