

Andrzej Fludra

List of Publications by Year in descending order

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72
papers

2,905
citations

236612

25
h-index

168136

53
g-index

74
all docs

74
docs citations

74
times ranked

1500
citing authors

#	ARTICLE	IF	CITATIONS
1	The Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2020, 642, A1.	2.1	514
2	The Coronal Diagnostic Spectrometer for the solar and heliospheric observatory. <i>Solar Physics</i> , 1995, 162, 233-290.	1.0	502
3	Dynamical and Physical Properties of a Post-Coronal Mass Ejection Current Sheet. <i>Astrophysical Journal</i> , 2003, 594, 1068-1084.	1.6	204
4	The Bragg Crystal Spectrometer for SOLAR-A. <i>Solar Physics</i> , 1991, 136, 89-104.	1.0	157
5	Solar minimum streamer densities and temperatures using Whole Sun Month coordinated data sets. <i>Journal of Geophysical Research</i> , 1999, 104, 9691-9699.	3.3	132
6	Coronal activity in F-, G-, and K-type stars. III - The coronal differential emission measure distribution of Capella, Sigma-squared CrB, and Procyon. <i>Astrophysical Journal</i> , 1989, 341, 474.	1.6	86
7	Physical properties of a coronal hole from a coronal diagnostic spectrometer, Mauna Loa Coronagraph, and LASCO observations during the Whole Sun Month. <i>Journal of Geophysical Research</i> , 1999, 104, 9801-9808.	3.3	84
8	The Solar Orbiter SPICE instrument. <i>Astronomy and Astrophysics</i> , 2020, 642, A14.	2.1	82
9	Electron density and temperature of the lower solar corona. <i>Journal of Geophysical Research</i> , 1999, 104, 9709-9720.	3.3	78
10	HIGH-RESOLUTION OBSERVATIONS OF THE EXTREME ULTRAVIOLET SUN. <i>Solar Physics</i> , 1997, 170, 123-141.	1.0	72
11	Multispectral observations of chromospheric evaporation in the 1991 November 15 X-class solar flare. <i>Astrophysical Journal</i> , 1994, 424, 459.	1.6	62
12	Turbulent and directed plasma motions in solar flares. <i>Astrophysical Journal</i> , 1989, 344, 991.	1.6	56
13	Heating and Jet Formation by Hydrodynamic Cumulation in the Solar Atmosphere. <i>Astrophysical Journal</i> , 1999, 514, L47-L51.	1.6	52
14	Transition region oscillations above sunspots. <i>Astronomy and Astrophysics</i> , 2001, 368, 639-651.	2.1	51
15	Comparison of Transient Network Brightenings and Explosive Events in the Solar Transition Region. <i>Astrophysical Journal</i> , 2000, 528, L119-L122.	1.6	50
16	Yohkoh observations of the creation of high-temperature plasma in the flare of 16 December 1991. <i>Solar Physics</i> , 1994, 153, 307-336.	1.0	49
17	Active Regions Observed in Extreme Ultraviolet Light by the Coronal Diagnostic Spectrometer on Soho. <i>Solar Physics</i> , 1997, 175, 487-509.	1.0	46
18	Unique SMM observations of an impulsive double solar flare: Enhanced neon abundance. <i>Advances in Space Research</i> , 1993, 13, 325-328.	1.2	35

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19	Solar magnetism eXplorer (SolmeX). <i>Experimental Astronomy</i> , 2012, 33, 271-303.	1.6	34
20	Absolute Abundances of Flaring Coronal Plasma Derived from SMM Spectral Observations. <i>Astrophysical Journal</i> , 1995, 447, 936.	1.6	34
21	Detailed Evidence for Flare Variations of the Coronal Calcium Abundance. <i>Astrophysical Journal</i> , 1998, 501, 397-407.	1.6	29
22	Temperature structure of active regions deduced from the helium-like sulphur lines. <i>Solar Physics</i> , 1995, 157, 169-184.	1.0	27
23	Coordination within the remote sensing payload on the Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2020, 642, A6.	2.1	27
24	Comparison of three methods used for calculation of the differential emission measure. <i>Solar Physics</i> , 1986, 105, 323.	1.0	26
25	LEMUR: Large European module for solar Ultraviolet Research. <i>Experimental Astronomy</i> , 2012, 34, 273-309.	1.6	25
26	High-Resolution Observations of the Extreme Ultraviolet Sun. , 1997, , 123-141.		24
27	The widths of vacuum-ultraviolet spectral lines in the equatorial solar corona observed with CDS and SUMER. <i>Astronomy and Astrophysics</i> , 2005, 435, 733-741.	2.1	22
28	Radiative and magnetic properties of solar active regions. <i>Astronomy and Astrophysics</i> , 2008, 483, 609-621.	2.1	21
29	Synoptic Sun during the first Whole Sun Month Campaign: August 10 to September 8, 1996. <i>Journal of Geophysical Research</i> , 1999, 104, 9679-9689.	3.3	20
30	Sausage oscillations of coronal plasma slabs. <i>Astronomy and Astrophysics</i> , 2014, 567, A24.	2.1	19
31	The 1992 January 5 Flare at 13.3 UT: Observations from YOHKOH. <i>Astrophysical Journal</i> , 1993, 416, 845.	1.6	19
32	SPICE EUV spectrometer for the Solar Orbiter mission. <i>Proceedings of SPIE</i> , 2013, , .	0.8	18
33	Application of Spectroscopic Diagnostics to Early Observations with the SOHO Coronal Diagnostic Spectrometer. , 1997, , 143-161.		18
34	Determination of coronal abundances of sulphur, calcium and iron using the yohkoh bragg crystal spectrometer. <i>Advances in Space Research</i> , 1993, 13, 395-398.	1.2	16
35	EUV Observations Above Polar Coronal Holes. <i>Space Science Reviews</i> , 1999, 87, 185-188.	3.7	15
36	Short-Duration Active Region Brightenings Observed in the Extreme Ultraviolet and H α by the Solar and Heliospheric Observatory Coronal Diagnostic Spectrometer and Hida Domeless Solar Telescope. <i>Astrophysical Journal</i> , 2004, 602, 1051-1062.	1.6	14

#	ARTICLE	IF	CITATIONS
37	Active Regions Observed in Extreme Ultraviolet Light by the Coronal Diagnostic Spectrometer on SOHO. , 1997, , 487-509.		12
38	ON EXTREME-ULTRAVIOLET HELIUM LINE INTENSITY ENHANCEMENT FACTORS ON THE SUN. Astrophysical Journal, 2015, 803, 66.	1.6	11
39	Inversion of the intensity-magnetic field relationship in solar active regions. Astronomy and Astrophysics, 2003, 398, 297-303.	2.1	11
40	The solar corona in cycle 23. Advances in Space Research, 2002, 29, 361-372.	1.2	10
41	Investigation of non-uniform heating during the decay phase of solar flares. Solar Physics, 1990, 126, 177-184.	1.0	9
42	Iron and calcium abundances in solar flares from the multi-temperature analysis of X-ray spectra. Advances in Space Research, 1991, 11, 155-158.	1.2	9
43	Differential emission measure analysis of hot-flare plasma from solar-maximum mission X-ray data. Advances in Space Research, 1984, 4, 203-207.	1.2	8
44	Energy release and transport in arcade flares. Advances in Space Research, 1997, 20, 2341-2344.	1.2	8
45	Comparison between observed and theoretical O ^{IV} line ratios in the UV/EUV solar spectrum as derived by SUMER, CDS and EIS. Astronomy and Astrophysics, 2012, 538, A88.	2.1	8
46	On the dependence of solar flare X-ray spectral line intensity ratios of highly ionized sulfur, calcium, and iron on electron temperature, differential emission measure, and atomic physics. Astrophysical Journal, 1990, 358, 665.	1.6	8
47	First observations from the SPICE EUV spectrometer on Solar Orbiter. Astronomy and Astrophysics, 2021, 656, A38.	2.1	8
48	Investigations of turbulent motions and particle acceleration in solar flares. Advances in Space Research, 1986, 6, 191-194.	1.2	7
49	Intercomparison of flare observations with two SMM spectrometers: BCS and HXIS. Advances in Space Research, 1988, 8, 231-239.	1.2	7
50	Yohkoh observations of plasma upflows during solar flares. Advances in Space Research, 1993, 13, 303-306.	1.2	7
51	Electron densities above a polar coronal hole based on improved Si IX density diagnostics. Solar Physics, 1999, 188, 73-80.	1.0	7
52	Evidence for the equality of the solar photospheric and coronal abundance of iron. Advances in Space Research, 1995, 15, 33-36.	1.2	6
53	Large-scale evolution of the active region NOAA 7978, 7981, 7986 observed by GOES, SOHO, and Yohkoh. Advances in Space Research, 2000, 25, 1913-1916.	1.2	6
54	Radiative and magnetic properties of solar active regions. Astronomy and Astrophysics, 2010, 523, A47.	2.1	6

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55	Investigation of turbulent kernels in solar flares. <i>Advances in Space Research</i> , 1991, 11, 99-102.	1.2	5
56	EUV and Radio Observations of an Equatorial Coronal Hole. <i>Space Science Reviews</i> , 1999, 87, 141-144.	3.7	4
57	On the quasi-homologous limb flares observed on 3 August 1981. <i>Advances in Space Research</i> , 1986, 6, 65-68.	1.2	3
58	DIAGNOSTICS OF CORONAL HEATING IN ACTIVE-REGION LOOPS. <i>Astrophysical Journal</i> , 2017, 834, 100.	1.6	3
59	Extreme ultraviolet observations of the solar corona: First results from the coronal diagnostic spectrometer on SOHO. <i>Advances in Space Research</i> , 1997, 20, 2239-2248.	1.2	2
60	MODULATION OF GALACTIC COSMIC RAYS OBSERVED AT L1 IN SOLAR CYCLE 23. <i>Astrophysical Journal</i> , 2015, 799, 31.	1.6	2
61	Investigations of turbulent and directed motions in solar flares. <i>Advances in Space Research</i> , 1988, 8, 161-166.	1.2	1
62	What are the bright loop-top kernels in soft X-ray flares?. <i>Advances in Space Research</i> , 2000, 26, 1773-1776.	1.2	1
63	Diagnostics of Coronal Heating in Solar Active Regions. <i>Symposium - International Astronomical Union</i> , 2004, 219, 478-482.	0.1	1
64	Charge States of Krypton and Xenon in the Solar Wind. <i>Solar Physics</i> , 2017, 292, 1.	1.0	1
65	Spectroscopic EUV observations of impulsive solar energetic particle event sources. <i>Astronomy and Astrophysics</i> , 2018, 617, A40.	2.1	1
66	HiRISE - High-Resolution Imaging and Spectroscopy Explorer - Ultrahigh resolution, interferometric and external occulting coronagraphic science. <i>Experimental Astronomy</i> , 0, , 1.	1.6	1
67	Heating and jet formation by colliding shocks in solar atmosphere. , 1999, , .		0
68	EUV Line Intensities and the Magnetic Field in Solar Active Regions. <i>Symposium - International Astronomical Union</i> , 2001, 203, 276-279.	0.1	0
69	Optical alignment of the SPICE EUV imaging spectrometer. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
70	Testing Models of the Fast Solar Wind using Spectroscopic and In Situ Observations. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 87-89.	0.0	0
71	Brightness Variations in the Solar Atmosphere as Seen by SOHO. <i>Astrophysics and Space Science Library</i> , 1999, , 231-234.	1.0	0
72	The VUV instrument SPICE for Solar Orbiter: performance ground testing. , 2017, , .		0