Astrid M Veronig

List of Publications by Citations

256 papers	8,435 citations	50 h-index	79 g-index
271 ext. papers	9,564 ext. citations	4.5 avg, IF	6.15 L-index

#	Paper	IF	Citations
256	An Observational Overview of Solar Flares. *Space Science Reviews*, **2011**, 159, 19-106	7.5	451
255	Propagation of Interplanetary Coronal Mass Ejections: The Drag-Based Model. *Solar Physics*, **2013**, 285, 295-315	2.6	203
254	Hard X-ray emission from the solar corona. *Astronomy and Astrophysics Review*, **2008**, 16, 155-208	28.8	183
253	Imaging coronal magnetic-field reconnection in a solar flare. *Nature Physics*, **2013**, 9, 489-493	16.2	166
252	Acceleration in Fast Halo CMEs and Synchronized Flare HXR Bursts. *Astrophysical Journal*, **2008**, 673, L95-L98	4.7	158
251	Temporal aspects and frequency distributions of solar soft X-ray flares. *Astronomy and Astrophysics*, **2002**, 382, 1070-1080	5.1	157
250	FIRST OBSERVATIONS OF A DOME-SHAPED LARGE-SCALE CORONAL EXTREME-ULTRAVIOLET WAVE. *Astrophysical Journal Letters*, **2010**, 716, L57-L62	7.9	155
249	A Coronal Thick-Target Interpretation of Two Hard X-Ray Loop Events. *Astrophysical Journal*, **2004**, 603, L117-L120	4.7	140
248	COMBINEDSTEREO/RHESSISTUDY OF CORONAL MASS EJECTION ACCELERATION AND PARTICLE ACCELERATION IN SOLAR FLARES. *Astrophysical Journal*, **2010**, 712, 1410-1420	4.7	136
247	High-Cadence Observations of a Global Coronal Wave by STEREO EUVI. *Astrophysical Journal*, **2008**, 681, L113-L116	4.7	130
246	Physics of the Neupert Effect: Estimates of the Effects of Source Energy, Mass Transport, and Geometry UsingRHESSIandGOESData. *Astrophysical Journal*, **2005**, 621, 482-497	4.7	129
245	CONNECTING SPEEDS, DIRECTIONS AND ARRIVAL TIMES OF 22 CORONAL MASS EJECTIONS FROM THE SUN TO 1 AU. *Astrophysical Journal*, **2014**, 787, 119	4.7	128
244	Hemispheric sunspot numbers ${R_{n}}$ and ${R_{s}}$ from 1945–2004: catalogue and N-S asymmetry analysis for solar cycles 18–23. *Astronomy and Astrophysics*, **2006**, 447, 735-743	5.1	128
243	X-ray sources and magnetic reconnection in the X3.9 flare of 2003 November 3. *Astronomy and Astrophysics*, **2006**, 446, 675-690	5.1	122
242	CHARACTERISTICS OF KINEMATICS OF A CORONAL MASS EJECTION DURING THE 2010 AUGUST 1 CME–CME INTERACTION EVENT. *Astrophysical Journal*, **2012**, 749, 57	4.7	118
241	The Origin, Early Evolution and Predictability of Solar Eruptions. *Space Science Reviews*, **2018**, 214, 1	7.5	114
240	Investigation of the Neupert effect in solar flares. *Astronomy and Astrophysics*, **2002**, 392, 699-712	5.1	112

239	Coronal Holes and Solar Wind High-Speed Streams: I. Forecasting the Solar Wind Parameters. *Solar Physics*, **2007**, 240, 315-330	2.6	103
238	Microflares and the Statistics of X-ray Flares. *Space Science Reviews*, **2011**, 159, 263-300	7.5	100
237	MULTI-POINT SHOCK AND FLUX ROPE ANALYSIS OF MULTIPLE INTERPLANETARY CORONAL MASS EJECTIONS AROUND 2010 AUGUST 1 IN THE INNER HELIOSPHERE. *Astrophysical Journal*, **2012**, 758, 10	4.7	95
236	Acceleration Phase of Coronal Mass Ejections: II. Synchronization of the Energy Release in the Associated Flare. *Solar Physics*, **2007**, 241, 99-112	2.6	95
235	IMPULSIVE ACCELERATION OF CORONAL MASS EJECTIONS. I. STATISTICS AND CORONAL MASS EJECTION SOURCE REGION CHARACTERISTICS. *Astrophysical Journal*, **2011**, 738, 191	4.7	93
234	STEREO QUADRATURE OBSERVATIONS OF THE THREE-DIMENSIONAL STRUCTURE AND DRIVER OF A GLOBAL CORONAL WAVE. *Astrophysical Journal*, **2009**, 703, L118-L122	4.7	93
233	THE CONFINED X-CLASS FLARES OF SOLAR ACTIVE REGION 2192. *Astrophysical Journal Letters*, **2015**, 801, L23	7.9	91
232	Hemispheric Sunspot Numbers $mathsf{R_{n}}$ and $mathsf{R_{s}}$: Catalogue and N-S asymmetry analysis. *Astronomy and Astrophysics*, **2002**, 390, 707-715	5.1	91
231	Periodic Appearance of Coronal Holes and the Related Variation of Solar Wind Parameters. *Solar Physics*, **2007**, 241, 371-383	2.6	90
230	STEREO and Wind observations of a fast ICME flank triggering a prolonged geomagnetic storm on 5 April 2010. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	84
229	Multi-wavelength study of coronal waves associated with the CME-flare event of 3 November 2003. *Astronomy and Astrophysics*, **2006**, 448, 739-752	5.1	84
228	INFLUENCE OF THE AMBIENT SOLAR WIND FLOW ON THE PROPAGATION BEHAVIOR OF INTERPLANETARY CORONAL MASS EJECTIONS. *Astrophysical Journal*, **2011**, 743, 101	4.7	79
227	LINKING REMOTE IMAGERY OF A CORONAL MASS EJECTION TO ITS IN SITU SIGNATURES AT 1 AU. *Astrophysical Journal*, **2009**, 705, L180-L185	4.7	78
226	Interaction of a Moreton/EIT Wave and a Coronal Hole. *Astrophysical Journal*, **2006**, 647, 1466-1471	4.7	74
225	Global thermospheric density variations caused by high-speed solar wind streams during the declining phase of solar cycle 23. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		71
224	Statistical analysis of solar H$mathsf{alpha}$ flares. *Astronomy and Astrophysics*, **2001**, 375, 1049-1061	5.1	71
223	SOLAR MAGNETIZED TORNADOES: RELATION TO FILAMENTS. *Astrophysical Journal Letters*, **2012**, 756, L41	7.9	69
222	Coronal Mass Ejection of 15 May 2001: II. Coupling of the Cme Acceleration and the Flare Energy Release. *Solar Physics*, **2004**, 225, 355-378	2.6	69

221	Two-spacecraft reconstruction of a magnetic cloud and comparison to its solar source. *Annales Geophysicae*, **2008**, 26, 3139-3152	2	67
220	Coronal Mass Ejection of 15 May 2001: I. Evolution of Morphological Features of the Eruption. *Solar Physics*, **2004**, 225, 337-353	2.6	64
219	HELIOSPHERIC PROPAGATION OF CORONAL MASS EJECTIONS: COMPARISON OF NUMERICAL WSA-ENLIL+CONE MODEL AND ANALYTICAL DRAG-BASED MODEL. *Astrophysical Journal, Supplement Series*, **2014**, 213, 21	8	63
218	Large amplitude oscillatory motion along a solar filament. *Astronomy and Astrophysics*, **2007**, 471, 295-299	5.1	61
217	Relation Between Coronal Hole Areas on the Sun and the Solar Wind Parameters at 1 AU. *Solar Physics*, **2012**, 281, 793-813	2.6	60
216	Acceleration Phase of Coronal Mass Ejections: I. Temporal and Spatial Scales. *Solar Physics*, **2007**, 241, 85-98	2.6	60
215	Genesis and Impulsive Evolution of the 2017 September 10 Coronal Mass Ejection. *Astrophysical Journal*, **2018**, 868, 107	4.7	60
214	IMPULSIVE ACCELERATION OF CORONAL MASS EJECTIONS. II. RELATION TO SOFT X-RAY FLARES AND FILAMENT ERUPTIONS. *Astrophysical Journal*, **2012**, 755, 44	4.7	58
213	Energy Release Rates along Hα Flare Ribbons and the Location of Hard X-Ray Sources. *Astrophysical Journal*, **2007**, 654, 665-674	4.7	56
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210	Modeling the Evolution and Propagation of 10 September 2017 CMEs and SEPs Arriving at Mars Constrained by Remote Sensing and In Situ Measurement. *Space Weather*, **2018**, 16, 1156-1169	3.7	52
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207	Comparative Study of MHD Modeling of the Background Solar Wind. *Solar Physics*, **2014**, 289, 1783-1801	2.6	50
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205	Multispacecraft recovery of a magnetic cloud and its origin from magnetic reconnection on the Sun. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		46
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203	CME Projection Effects Studied with STEREO/COR and SOHO/LASCO. *Solar Physics*, **2009**, 256, 183-199	2.6	45
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192	Dynamics of isolated magnetic bright points derived from Hinode/SOT G-band observations. *Astronomy and Astrophysics*, **2010**, 511, A39	5.1	40
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180	Broadband Metric-Range Radio Emission Associated with a Moreton/EIT Wave. *Astrophysical Journal*, **2005**, 625, L67-L70	4.7	37
179	RELATION BETWEEN THE CORONAL MASS EJECTION ACCELERATION AND THE NON-THERMAL FLARE CHARACTERISTICS. *Astrophysical Journal*, **2012**, 753, 88	4.7	36
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171	ANALYTIC MODELING OF THE MORETON WAVE KINEMATICS. *Astrophysical Journal*, **2009**, 702, 1343-1352	4.7	34
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157	CASE STUDY OF FOUR HOMOLOGOUS LARGE-SCALE CORONAL WAVES OBSERVED ON 2010 APRIL 28 AND 29. *Astrophysical Journal Letters*, **2011**, 727, L43	7.9	30
156	Statistics of Coronal Dimmings Associated with Coronal Mass Ejections. II. Relationship between Coronal Dimmings and Their Associated CMEs. *Astrophysical Journal*, **2019**, 874, 123	4.7	29
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133	Thermospheric and geomagnetic responses to interplanetary coronal mass ejections observed by ACE and GRACE: Statistical results. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 8848-8860	2.6	21
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