

Antoinette B Galvin

List of Publications by Year in descending order

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71
papers

3,513
citations

136740

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docs citations

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times ranked

1939
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating the Cross Sections of Coronal Mass Ejections through the Study of Nonradial Flows with STEREO/PLASTIC. <i>Astrophysical Journal</i> , 2022, 927, 68.	1.6	9
2	Causes and Consequences of Magnetic Complexity Changes within Interplanetary Coronal Mass Ejections: A Statistical Study. <i>Astrophysical Journal</i> , 2022, 927, 102.	1.6	16
3	CMEs and SEPs During November–December 2020: A Challenge for Real-Time Space Weather Forecasting. <i>Space Weather</i> , 2022, 20, .	1.3	16
4	A Coronal Mass Ejection and Magnetic Ejecta Observed In Situ by STEREO-A and Wind at 55° Angular Separation. <i>Astrophysical Journal</i> , 2022, 929, 149.	1.6	11
5	Multi-spacecraft Observations of the Evolution of Interplanetary Coronal Mass Ejections between 0.3 and 2.2 au: Conjunctions with the Juno Spacecraft. <i>Astrophysical Journal</i> , 2022, 933, 127.	1.6	9
6	The Effect of Stream Interaction Regions on ICME Structures Observed in Longitudinal Conjunction. <i>Astrophysical Journal</i> , 2021, 916, 40.	1.6	22
7	First Simultaneous In Situ Measurements of a Coronal Mass Ejection by Parker Solar Probe and STEREO-A. <i>Astrophysical Journal</i> , 2021, 916, 94.	1.6	23
8	Categorization of Coronal Mass Ejection-driven Sheath Regions: Characteristics of STEREO Events. <i>Astrophysical Journal</i> , 2021, 921, 57.	1.6	8
9	Inconsistencies Between Local and Global Measures of CME Radial Expansion as Revealed by Spacecraft Conjunctions. <i>Astrophysical Journal</i> , 2020, 899, 119.	1.6	24
10	Properties of the Sheath Regions of Coronal Mass Ejections with or without Shocks from STEREO in situ Observations near 1 au. <i>Astrophysical Journal</i> , 2020, 904, 177.	1.6	13
11	Heliospheric Evolution of Magnetic Clouds. <i>Astrophysical Journal</i> , 2019, 877, 77.	1.6	34
12	Solar Terrestrial Relations Observatory (STEREO) Observations of Stream Interaction Regions in 2007–2016: Relationship with Heliospheric Current Sheets, Solar Cycle Variations, and Dual Observations. <i>Solar Physics</i> , 2019, 294, 1.	1.0	48
13	STEREO Observations of Interplanetary Coronal Mass Ejections in 2007–2016. <i>Astrophysical Journal</i> , 2018, 855, 114.	1.6	55
14	The Magnetic Field Geometry of Small Solar Wind Flux Ropes Inferred from Their Twist Distribution. <i>Solar Physics</i> , 2018, 293, 1.	1.0	5
15	Forecasting Periods of Strong Southward Magnetic Field Following Interplanetary Shocks. <i>Space Weather</i> , 2018, 16, 2004-2021.	1.3	11
16	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	129
17	On the Spatial Coherence of Magnetic Ejecta: Measurements of Coronal Mass Ejections by Multiple Spacecraft Longitudinally Separated by 0.01 au. <i>Astrophysical Journal Letters</i> , 2018, 864, L7.	3.0	47
18	Concerning the helium-to-hydrogen number density ratio in very slow ejecta and winds near solar minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1487-1512.	0.8	2

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19	In Situ Analysis of Heliospheric Current Sheet Propagation. Journal of Geophysical Research: Space Physics, 2017, 122, 9803-9814.	0.8	5
20	Modeling solar energetic particle events using ENLIL heliosphere simulations. Space Weather, 2017, 15, 934-954.	1.3	35
21	A multispacecraft study of a small flux rope entrained by rolling back magnetic field lines. Journal of Geophysical Research: Space Physics, 2017, 122, 6927-6939.	0.8	11
22	Longitudinal conjunction between MESSENGER and STEREO A: Development of ICME complexity through stream interactions. Journal of Geophysical Research: Space Physics, 2016, 121, 6092-6106.	0.8	58
23	Small solar wind transients at 1 AU: STEREO observations (2007-2014) and comparison with near-Earth wind results (1995-2014). Journal of Geophysical Research: Space Physics, 2016, 121, 5005-5024.	0.8	33
24	A multievent study of the coincidence of heliospheric current sheet and stream interface. Journal of Geophysical Research: Space Physics, 2016, 121, 10,768.	0.8	9
25	Time-of-flight mass spectrographs: From ions to neutral atoms. Journal of Geophysical Research: Space Physics, 2016, 121, 11,647.	0.8	2
26	Statistical study of magnetic cloud erosion by magnetic reconnection. Journal of Geophysical Research: Space Physics, 2015, 120, 43-60.	0.8	106
27	Observations of an extreme storm in interplanetary space caused by successive coronal mass ejections. Nature Communications, 2014, 5, 3481.	5.8	223
28	A statistical analysis of properties of small transients in the solar wind 2007-2009: STEREO and Wind observations. Journal of Geophysical Research: Space Physics, 2014, 119, 689-708.	0.8	51
29	CONNECTING SPEEDS, DIRECTIONS AND ARRIVAL TIMES OF 22 CORONAL MASS EJECTIONS FROM THE SUN TO 1 AU. Astrophysical Journal, 2014, 787, 119.	1.6	145
30	A statistical analysis of heliospheric plasma sheets, heliospheric current sheets, and sector boundaries observed in situ by STEREO. Journal of Geophysical Research: Space Physics, 2014, 119, 8721-8732.	0.8	30
31	Mirror-mode storms inside stream interaction regions and in the ambient solar wind: A kinetic study. Journal of Geophysical Research: Space Physics, 2013, 118, 17-28.	0.8	11
32	Solar wind observations at STEREO: 2007 - 2011. , 2013, , .		28
33	THE VERY UNUSUAL INTERPLANETARY CORONAL MASS EJECTION OF 2012 JULY 23: A BLAST WAVE MEDIATED BY SOLAR ENERGETIC PARTICLES. Astrophysical Journal, 2013, 770, 38.	1.6	123
34	A major solar eruptive event in July 2012: Defining extreme space weather scenarios. Space Weather, 2013, 11, 585-591.	1.3	189
35	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.	1.6	109
36	Deep Solar Activity Minimum 2007-2009: Solar Wind Properties and Major Effects on the Terrestrial Magnetosphere. Solar Physics, 2012, 281, 461.	1.0	4

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37	Multispacecraft observation of magnetic cloud erosion by magnetic reconnection during propagation. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	143
38	Inflow direction of interstellar neutrals deduced from pickup ion measurements at 1 AU. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	30
39	PLASMOID RELEASES IN THE HELIOSPHERIC CURRENT SHEET AND ASSOCIATED CORONAL HOLE BOUNDARY LAYER EVOLUTION. <i>Astrophysical Journal</i> , 2011, 737, 16.	1.6	32
40	Solar-Wind Bulk Velocity Throughout the Inner Heliosphere from Multi-Spacecraft Measurements. <i>Solar Physics</i> , 2010, 264, 377-382.	1.0	17
41	Temporal Evolution of the Solar-Wind Electron Core Density at Solar Minimum by Correlating SWEA Measurements from STEREO A and B. <i>Solar Physics</i> , 2010, 266, 369-377.	1.0	5
42	He Pickup Ions in the Inner Heliosphere—Diagnostics of the Local Interstellar Gas and of Interplanetary Conditions. <i>AIP Conference Proceedings</i> , 2010, , .	0.3	9
43	Escape of O ⁺ through the distant tail plasma sheet. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	16
44	STEREO and Wind observations of a fast ICME flank triggering a prolonged geomagnetic storm on 5 th April 2010. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	92
45	Observations of interstellar neon in the helium focusing cone. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	14
46	LINKING REMOTE IMAGERY OF A CORONAL MASS EJECTION TO ITS IN SITU SIGNATURES AT 1 AU. <i>Astrophysical Journal</i> , 2009, 705, L180-L185.	1.6	84
47	STEREO observations of interplanetary coronal mass ejections and prominence deflection during solar minimum period. <i>Annales Geophysicae</i> , 2009, 27, 4491-4503.	0.6	102
48	The Thermalization of Oxygen Ions and Protons at Shocks Associated with CIRs. , 2009, , .		0
49	Multispacecraft Observations of Magnetic Clouds and Their Solar Origins between 19 and 23 May 2007. <i>Solar Physics</i> , 2009, 254, 325-344.	1.0	68
50	Temporal Evolution of the Solar Wind Bulk Velocity at Solar Minimum by Correlating the STEREO A and WIND Measurements. <i>Solar Physics</i> , 2009, 256, 365-377.	1.0	37
51	A Multispacecraft Analysis of a Small-Scale Transient Entrained by Solar Wind Streams. <i>Solar Physics</i> , 2009, 256, 307-326.	1.0	93
52	Solar Wind Sources in the Late Declining Phase of Cycle 23: Effects of the Weak Solar Polar Field on High-Speed Streams. <i>Solar Physics</i> , 2009, 256, 285-305.	1.0	65
53	Optimized Grad-Shafranov Reconstruction of a Magnetic Cloud Using STEREO-Wind Observations. <i>Solar Physics</i> , 2009, 256, 427-441.	1.0	69
54	Small Solar Wind Transients and Their Connection to the Large-Scale Coronal Structure. <i>Solar Physics</i> , 2009, 256, 327-344.	1.0	71

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55	In Situ Observations of Solar Wind Stream Interface Evolution. <i>Solar Physics</i> , 2009, 259, 323-344.	1.0	23
56	Multi-Spacecraft Observations: Stream Interactions and Associated Structures. <i>Solar Physics</i> , 2009, 259, 345-360.	1.0	32
57	Multispacecraft recovery of a magnetic cloud and its origin from magnetic reconnection on the Sun. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	51
58	Asymmetric shear flow effects on magnetic field configuration within oppositely directed solar wind reconnection exhausts. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	19
59	Solar wind ion trends and signatures: STEREO PLASTIC observations approaching solar minimum. <i>Annales Geophysicae</i> , 2009, 27, 3909-3922.	0.6	12
60	The Solar Terrestrial Relations Observatory (STEREO) Education and Outreach (E/PO) Program. <i>Space Science Reviews</i> , 2008, 136, 627-646.	3.7	5
61	The Plasma and Suprathermal Ion Composition (PLASTIC) Investigation on the STEREO Observatories. <i>Space Science Reviews</i> , 2008, 136, 437-486.	3.7	360
62	Correlation length of large-scale solar wind velocity fluctuations measured tangent to the Earth's orbit: First results from Stereo. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	5
63	Reconstruction of the 2007 May 22 Magnetic Cloud: How Much Can We Trust the Flux-Rope Geometry of CMEs?. <i>Astrophysical Journal</i> , 2008, 677, L133-L136.	1.6	74
64	Consequences of the force-free model of magnetic clouds for their heliospheric evolution. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	95
65	Suprathermal ions ahead of interplanetary shocks: New observations and critical instrumentation required for future space weather monitoring. <i>Space Weather</i> , 2004, 2, n/a-n/a.	1.3	11
66	On the source and acceleration of energetic He ⁺ : A long-term observation with ACE/SEPICA. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	43
67	Long-distance Correlations of Interplanetary Parameters: A Case Study with HELIOS. <i>AIP Conference Proceedings</i> , 2003, , .	0.3	0
68	Charge states of energetic (~ 0.5 MeV/n) ions in corotating interaction regions at 1 AU and implications on source populations. <i>Geophysical Research Letters</i> , 2002, 29, 1.	1.5	59
69	Solar Wind and Heliospheric Compositional Variations. <i>Symposium - International Astronomical Union</i> , 2001, 203, 533-540.	0.1	0
70	Energy dependence of the ionic charge state distribution during the November 1997 solar energetic particle event. <i>Geophysical Research Letters</i> , 1999, 26, 145-148.	1.5	79
71	Solar wind iron charge states preceding a driver plasma. <i>Journal of Geophysical Research</i> , 1987, 92, 12069-12081.	3.3	44