# Adam Szabo

List of Publications by Year
in descending order

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| 84 | 6,702 | 66343 | 62596 |
|---|---|---|---|
| papers | citations | 42 h-index | 80 g-index |

| 86 | 86 | 86 | 2806 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Solar Wind Model Supported by Parker Solar Probe Observations During Faint Venusian Auroral Emission. Astrophysical Journal, 2022, 929, 45. | 4.5 | 0 |
| 2 | Direct First Parker Solar Probe Observation of the Interaction of Two Successive Interplanetary Coronal Mass Ejections in 2020 November. Astrophysical Journal, 2022, 930, 88. | 4.5 | 14 |
| 3 | Magnetic Field Observations in the Very Local Interstellar Medium by Voyagers 1 and 2. Astrophysical Journal, 2022, 932, 59. | 4.5 | 11 |
| 4 | Magnetic Fields Observed by Voyager 2 in the Heliosheath. Astrophysical Journal, 2021, 906, 119. | 4.5 | 8 |
| 5 | Magnetic Field and Plasma Density Observations of a Pressure Front by Voyager 1 during 2020 in the Very Local Interstellar Medium. Astrophysical Journal, 2021, 911, 61. | 4.5 | 24 |
| 6 | Oblique High Mach Number Heliospheric Shocks: The Role of Î± Particles. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028962. | 2.4 | 1 |
| 7 | A Quarter Century ofWindSpacecraft Discoveries. Reviews of Geophysics, 2021, 59, e2020RG000714. | 23.0 | 52 |
| 8 | Switchbacks as signatures of magnetic flux ropes generated by interchange reconnection in the corona. Astronomy and Astrophysics, 2021, 650, A2. | 5.1 | 80 |
| 9 | Comparative Analysis of the 2020 November 29 Solar Energetic Particle Event Observed by Parker Solar Probe. Astrophysical Journal, 2021, 920, 123. | 4.5 | 12 |
| 10 | Parker Solar Probe Enters the Magnetically Dominated Solar Corona. Physical Review Letters, 2021, 127, 255101. | 7.8 | 104 |
| 11 | The Streamer Blowout Origin of a Flux Rope and Energetic Particle Event Observed by Parker Solar Probe at 0.5 au. Astrophysical Journal, 2020, 897, 134. | 4.5 | 14 |
| 12 | The Heliospheric Current Sheet and Plasma Sheet during Parker Solar Probeâ€™s First Orbit. Astrophysical Journal Letters, 2020, 894, L19. | 8.3 | 39 |
| 13 | A Merged Searchâ€Coil and Fluxgate Magnetometer Data Product for Parker Solar Probe FIELDS. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027813. | 2.4 | 31 |
| 14 | Voyager 1 and 2 Observations of a Change in the Nature of Magnetic Fluctuations in the VLISM with Increasing Distance from the Heliopause. Astronomical Journal, 2020, 160, 40. | 4.7 | 17 |
| 15 | Model Fitting of Wind Magnetic Clouds for the Period 2004â€‰â€“â€‰2006. Solar Physics, 2020, 295, 1. | 2.5 | 5 |
| 16 | Analysis of the Internal Structure of the Streamer Blowout Observed by the Parker Solar Probe During the First Solar Encounter. Astrophysical Journal, Supplement Series, 2020, 246, 63. | 7.7 | 34 |
| 17 | Density Fluctuations in the Solar Wind Based on Type III Radio Bursts Observed by Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 57. | 7.7 | 45 |
| 18 | The Heliospheric Current Sheet in the Inner Heliosphere Observed by the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 47. | 7.7 | 50 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Source and Propagation of a Streamer Blowout Coronal Mass Ejection Observed by the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 69. | 7.7 | 29 |
| 20 | Solar Energetic Particles Produced by a Slow Coronal Mass Ejection at â^¼0.25 au. Astrophysical Journal, Supplement Series, 2020, 246, 29. | 7.7 | 35 |
| 21 | Parker Solar Probe In Situ Observations of Magnetic Reconnection Exhausts during Encounter 1. Astrophysical Journal, Supplement Series, 2020, 246, 34. | 7.7 | 65 |
| 22 | Intermittency and q-Gaussian Distributions in the Magnetic Field of the Very Local Interstellar Medium (VLISM) Observed by Voyager 1 and Voyager 2. Astrophysical Journal Letters, 2020, 901, L2. | 8.3 | 6 |
| 23 | Unraveling the Internal Magnetic Field Structure of the Earth-directed Interplanetary Coronal Mass Ejections During 1995â€‰â€“â€‰2015. Solar Physics, 2019, 294, 1. | 2.5 | 44 |
| 24 | Statistical Survey of Coronal Mass Ejections and Interplanetary Type II Bursts. Astrophysical Journal, 2019, 882, 92. | 4.5 | 14 |
| 25 | Magnetic field and particle measurements made by Voyager 2 at and near the heliopause. Nature Astronomy, 2019, 3, 1007-1012. | 10.1 | 69 |
| 26 | Understanding the Role of Î± Particles in Oblique Heliospheric Shock Oscillations. Journal of Geophysical Research: Space Physics, 2019, 124, 2393-2405. | 2.4 | 7 |
| 27 | AlfvÃ©nic velocity spikes and rotational flows in the near-Sun solar wind. Nature, 2019, 576, 228-231. | 27.8 | 311 |
| 28 | Highly structured slow solar wind emerging from an equatorial coronal hole. Nature, 2019, 576, 237-242. | 27.8 | 401 |
| 29 | Interplanetary Type III Bursts and Electron Density Fluctuations in the Solar Wind. Astrophysical Journal, 2018, 857, 82. | 4.5 | 38 |
| 30 | Understanding the Internal Magnetic Field Configurations of ICMEs Using More than 20 Years of Wind Observations. Solar Physics, 2018, 293, 1. | 2.5 | 115 |
| 31 | Wind Magnetic Clouds for the Period 2013â€‰â€“â€‰2015: Model Fitting, Types, Associated Shock Waves, and Comparisons to Other Periods. Solar Physics, 2018, 293, 1. | 2.5 | 11 |
| 32 | Revisiting the structure of lowâ€Mach number, lowâ€beta, quasiâ€perpendicular shocks. Journal of Geophysical Research: Space Physics, 2017, 122, 9115-9133. | 2.4 | 52 |
| 33 | A CIRCULAR-CYLINDRICAL FLUX-ROPE ANALYTICAL MODEL FOR MAGNETIC CLOUDS. Astrophysical Journal, 2016, 823, 27. | 4.5 | 67 |
| 34 | The FIELDS Instrument Suite for Solar Probe Plus. Space Science Reviews, 2016, 204, 49-82. | 8.1 | 521 |
| 35 | The Solar Probe Plus Mission: Humanityâ€™s First Visit to Our Star. Space Science Reviews, 2016, 204, 7-48. | 8.1 | 821 |
| 36 | Solar Wind Electrons Alphas and Protons (SWEAP) Investigation: Design of the Solar Wind and Coronal Plasma Instrument Suite for Solar Probe Plus. Space Science Reviews, 2016, 204, 131-186. | 8.1 | 439 |

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|---|---|---|---|
| 37 | Predicting the magnetic vectors within coronal mass ejections arriving at Earth: 1. Initial architecture. Space Weather, 2015, 13, 374-385. | 3.7 | 65 |
| 38 | Wind Magnetic Clouds for 2010â€‰â€“â€‰2012: Model Parameter Fittings, Associated Shock Waves, and Comparisons to Earlier Periods. Solar Physics, 2015, 290, 2265-2290. | 2.5 | 28 |
| 39 | Shocklets, SLAMS, and fieldâ€aligned ion beams in the terrestrial foreshock. Journal of Geophysical Research: Space Physics, 2013, 118, 957-966. | 2.4 | 60 |
| 40 | Electromagnetic waves and electron anisotropies downstream of supercritical interplanetary shocks. Journal of Geophysical Research: Space Physics, 2013, 118, 5-16. | 2.4 | 67 |
| 41 | Magnetic field turbulence spectra observed by the wind spacecraft. AIP Conference Proceedings, 2013, , . | 0.4 | 10 |
| 42 | INNER HELIOSPHERIC EVOLUTION OF A â€œSTEALTHâ€•CME DERIVED FROM MULTI-VIEW IMAGING AND MULTIPOINT IN SITU OBSERVATIONS. I. PROPAGATION TO 1 AU. Astrophysical Journal, 2013, 779, 55. | 4.5 | 48 |
| 43 | Observations of electromagnetic whistler precursors at supercritical interplanetary shocks. Geophysical Research Letters, 2012, 39, . | 4.0 | 79 |
| 44 | Remote and in situ observations of an unusual Earthâ€directed coronal mass ejection from multiple viewpoints. Journal of Geophysical Research, 2012, 117, . | 3.3 | 86 |
| 45 | Solar energetic electron probes of magnetic cloud field line lengths. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 42 |
| 46 | THE SOLAR ORIGIN OF SMALL INTERPLANETARY TRANSIENTS. Astrophysical Journal, 2011, 734, 7. | 4.5 | 89 |
| 47 | Magnetic Clouds at/near the 2007â€‰â€“â€‰2009 Solar Minimum: Frequency of Occurrence and Some Unusual Properties. Solar Physics, 2011, 274, 345-360. | 2.5 | 42 |
| 48 | Largeâ€amplitude electrostatic waves observed at a supercritical interplanetary shock. Journal of Geophysical Research, 2010, 115, . | 3.3 | 77 |
| 49 | Multispacecraft observations of interplanetary shock shapes on the scales of the Earth's magnetosphere. Journal of Geophysical Research, 2010, 115, . | 3.3 | 15 |
| 50 | Lowâ€frequency whistler waves and shocklets observed at quasiâ€perpendicular interplanetary shocks. Journal of Geophysical Research, 2009, 114, . | 3.3 | 76 |
| 51 | Asymmetric shear flow effects on magnetic field configuration within oppositely directed solar wind reconnection exhausts. Journal of Geophysical Research, 2009, 114, . | 3.3 | 19 |
| 52 | The STEREO/IMPACT Magnetic Field Experiment. Space Science Reviews, 2008, 136, 203-226. | 8.1 | 209 |
| 53 | Navigating through SPASE to heliospheric and magnetospheric data. Earth Science Informatics, 2008, 1, 35-42. | 3.2 | 8 |
| 54 | Modified â€œRankineâ€Hugoniotâ€•shock fitting technique: Simultaneous solution for shock normal and speed. Journal of Geophysical Research, 2008, 113, . | 3.3 | 35 |

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|---|---|---|---|
| 55 | Bifurcated current sheets produced by magnetic reconnection in the solar wind. Journal of Geophysical Research, 2008, 113, . | 3.3 | 76 |
| 56 | Prevalence of magnetic reconnection at small field shear angles in the solar wind. Geophysical Research Letters, 2007, 34, . | 4.0 | 81 |
| 57 | Physics-based tests to identify the accuracy of solar wind ion measurements: A case study with the Wind Faraday Cups. Journal of Geophysical Research, 2006, 111, . | 3.3 | 115 |
| 58 | A summary of WIND magnetic clouds for years 1995-2003: model-fitted parameters, associated errors and classifications. Annales Geophysicae, 2006, 24, 215-245. | 1.6 | 171 |
| 59 | Three-dimensional position and shape of the bow shock and their variation with upstream Mach numbers and interplanetary magnetic field orientation. Journal of Geophysical Research, 2005, 110, . | 3.3 | 79 |
| 60 | Bow shock's geometry at the magnetospheric flanks. Journal of Geophysical Research, 2004, 109, . | 3.3 | 15 |
| 61 | Profile of an Average Magnetic Cloud at 1 au for the Quiet Solar Phase: Wind Observations. Solar Physics, 2003, 212, 425-444. | 2.5 | 64 |
| 62 | A comparison of IMP 8 observed bow shock positions with model predictions. Journal of Geophysical Research, 2003, 108, . | 3.3 | 36 |
| 63 | Earth's bow shock and magnetopause in the case of a field-aligned upstream flow: Observation and model comparison. Journal of Geophysical Research, 2003, 108, . | 3.3 | 52 |
| 64 | The Transition of Interplanetary Shocks through the Magnetosheath. AIP Conference Proceedings, 2003, , . | 0.4 | 7 |
| 65 | High time resolution observations of magnetospheric disturbances during auroral activity. Geophysical Monograph Series, 2003, , 45-54. | 0.1 | 0 |
| 66 | Wind observations of foreshock cavities: A case study. Journal of Geophysical Research, 2002, 107, SMP 4-1. | 3.3 | 103 |
| 67 | Solar wind preconditioning in the flank foreshock: IMP 8 observations. Journal of Geophysical Research, 2001, 106, 21675-21688. | 3.3 | 40 |
| 68 | Radio-rich solar eruptive events. Geophysical Research Letters, 2000, 27, 1427-1430. | 4.0 | 87 |
| 69 | Fast and Slow Flows in the Solar Wind Near the Ecliptic at 1 AU?. Space Science Reviews, 1999, 87, 137-140. | 8.1 | 20 |
| 70 | Magnetohydrodynamic modeling of the solar corona during Whole Sun Month. Journal of Geophysical Research, 1999, 104, 9809-9830. | 3.3 | 282 |
| 71 | The heliospheric current sheet on small scale. , 1999, , . | | 8 |
| 72 | Crossing the Heliospheric Current Sheet. , 1999, , 231-237. | | 2 |

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|---|---|---|---|
| 73 | A magnetic cloud containing prominence material: January 1997. Journal of Geophysical Research, 1998, 103, 277-285. | 3.3 | 251 |
| 74 | Timing accuracy for the simple planar propagation of magnetic field structures in the solar wind. Geophysical Research Letters, 1998, 25, 2509-2512. | 4.0 | 107 |
| 75 | The Wind magnetic cloud and events of October 18â€“20, 1995: Interplanetary properties and as triggers for geomagnetic activity. Journal of Geophysical Research, 1997, 102, 14049-14063. | 3.3 | 140 |
| 76 | A case study of oppositely propagating AlfvÃ©nic fluctuations in the solar wind and magnetosheath. Geophysical Research Letters, 1997, 24, 3133-3136. | 4.0 | 22 |
| 77 | A two-stream, four-sector, recurrence pattern: Implications from WIND for the 22-year geomagnetic activity cycle. Geophysical Research Letters, 1996, 23, 1275-1278. | 4.0 | 19 |
| 78 | Large-scale properties and solar connection of the heliospheric current and plasma sheets: WIND observations. Geophysical Research Letters, 1996, 23, 1199-1202. | 4.0 | 28 |
| 79 | The subsolar magnetosheath and magnetopause for high solar wind ram pressure: WIND observations. Geophysical Research Letters, 1996, 23, 1279-1282. | 4.0 | 48 |
| 80 | Magnetic cloud-bow shock interaction: WIND and IMP-8 observations. Geophysical Research Letters, 1996, 23, 1195-1198. | 4.0 | 15 |
| 81 | Near-simultaneous bow shock crossings by WIND and IMP 8 on December 1, 1994. Geophysical Research Letters, 1996, 23, 1207-1210. | 4.0 | 29 |
| 82 | Analysis of Magnetotail Flux Ropes with Strong Core Fields: ISEE 3 Observations. Journal of Geomagnetism and Geoelectricity, 1996, 48, 589-601. | 0.9 | 22 |
| 83 | Coincident 1.3-year periodicities in theapgeomagnetic index and the solar wind. Geophysical Research Letters, 1995, 22, 3001-3004. | 4.0 | 70 |
| 84 | An improved solution to the â€œRankine-Hugoniotâ€•problem. Journal of Geophysical Research, 1994, 99, 14737. | 3.3 | 72 |