
EDUCATION

- 1995.01–2000.09: **Ph.D, Physics, INDIANA UNIVERSITY**, Bloomington, IN, USA.
Dissertation: Macroscopic Charge Conjugation and Parity Violation in Supernovae
Advisor: C. J. Horowitz
- 1998.09–2000.07: **M.Sc., Computer Science, INDIANA UNIVERSITY**, Bloomington, IN, USA.
- 1989.09–1994.07 **Bachelor of Science, Physics, TSINGHUA UNIVERSITY**, Beijing, CHINA.

PROFESSIONAL APPOINTMENTS

- 2024.04–present **President.**
[University of Alabama in Huntsville](#)
- 2021.08–2024.04 **Director, Space Weather Lab.**
- 2019.03–2024.04 **Professor, Department of Space Science.**
- 2018.09–2021.8 **Graduate Committee Chair, Department of Space Science.**
- 2014.03–2019.3 **Associate Professor, Department of Space Science.**
- 2013.03–2014.3 **Assistant Professor, Department of Space Science.**
- 2008.09–2013.3 **Assistant Professor, Department of Physics.**
[University of California in Berkeley](#)
- 2006.01–2008.07 **Assistant Research Physicist, I and III, Space Science Laboratory.**
[University of California in Riverside](#)
- 2005.07–2006.01 **Assistant Researcher, Institute of Geophysics and Planetary Physics.**
- 2002.01–2005.06 **Post-doctor Researcher, Institute of Geophysics and Planetary Physics.**

HONORS & AWARDS

- 2023/03 **College of Science Research Excellence Award** University of Alabama in Huntsville
- 2017/08 **Space Weather Innovation Young Scientist Award** Chinese Space Weather Association
- 2015/06 **College of Science Outstanding Research Faculty Award** University of Alabama in Huntsville
- 2010/05 **Ralph E. Powe Junior Faculty Enhancement Award**, Oak Ridge Associated Universities
- 2009/07 **Young Scientist Award** International Union of Pure and Applied Physics (IUPAP)
- 2009/02 **Early Career Award** National Science Foundation

ADVISING ACTIVITY

Ph. D students

- 2023/12 Michael Terres, Dissertation: ENERGY TRANSFER FROM FLUID TO KINETIC SCALES IN THE SOLAR WIND.

- 2019/12 Ashraf Moradi, Dissertation: SOLAR ENERGETIC PARTICLES TRANSPORT IN MEANDERING MAGNETIC FIELD.
- 2017/12 Junxiang Hu, Dissertation: MODELING PARTICLE ACCELERATION AND TRANSPORT FOR GRADUAL SEP EVENTS FROM 2D CME-DRIVEN SHOCKS.
- 2016/06 Xiaocan Li, Dissertation: NUMERICAL SIMULATIONS OF PARTICLE ACCELERATION DURING SOLAR FLARES.
- 2015/06 Lulu Zhao, Dissertation: PARTICLE ACCELERATION AND TRANSPORT AT SHOCKS.
- [Master students](#)
- 2021/10 Sashank Vanga, Thesis: ROCK ABUNDANCE ON THE LUNAR MARE ON SURFACES OF DIFFERENT AGE: IMPLICATIONS FOR REGOLITH EVOLUTION AND THICKNESS.
- 2019/12 Clayton Ellison, Thesis: ERUPTION AND PARTICLE ACCELERATION IN LARGE SPACE WEATHER EVENTS.
- 2015/07 Ashraf Moradi, Course Work.
- 2011/07 Lulu Zhao, Course Work.
- 2009/04 Shannon Smith, Thesis: HIGH-LATITUDE CORE ION PROPERTIES DURING NORTHWARD INTERPLANETARY MAGNETIC FIELD CONDITIONS.

SYNERGISTIC ACTIVITIES

Professional Services

- 2021/01-present Editorial board member of journal *Fluid*.
- 2019/07-2023 SHINE Steering Committee.
- 2017/09-2023 Asian Oceanic Geophysics Society (AOGS) section (cosmic ray) secretary.
- 2011/07-2012/07 NASA Extreme Space Weather Events committee.
- 2011 NASA LWS TR&T Science Steering Committee.
- 2005/07-2008/07 SHINE group leader.

Journal and Grant Peer Reviewer

- Journal Reviewer JGR, GRL, SWx, ApJ, ApJL, PRL, PRE, ASP, A&A, SSRv, Nature Comm., Entropy, Fluid, RAA.
- NSF mail-in reviewer and panelist.
- NASA mail-in reviewer, panel chair, panelist.

GRANT ACTIVITIES

Current Grants (as PI and Institutional PI)

- 2024/01-2028/12 CLEAR: Center for All-Clear SEP Forecast, NASA SWx Center 735A1R, Institutional PI: \$500,000.
- 2023/06-2027/05 SHINE: Understanding the Impact of Solar Energetic Particles and Forbush Decreases on the Global Electric Circuit, NSF SHINE2301365-735A99, PI: \$710,547.
- 2023/10-2026/09 Investigating the Origin of Solar Energetic Particles and Their Transport in the Inner Heliosphere, NASA HTMS22 80NSSC24K0175, Institutional PI: \$239,993.
- 2022/04-2026/03 Integrated Modeling of CME Impacts on SEPs and GCRs in the Heliosphere and Magnetosphere, NSF ANSWERS: LARGE, PI: \$2,288,589, NSF 2149771-735A62.
- 2021/12-2023/11 Forecasting Solar Energetic Particle Events at the Cis-Lunar Environment using the combined AWSoM-iPATH model, NASA-R2O2R, PI: \$498,589, 80NSSC22K0268-735A51.

- 2021/10-2025/09 Suprathermal Seeds for Solar Energetic Particles: Two-stage Acceleration from Flares to CME Shocks, NASA-LWS, Institution PI: \$209,989, (BAERI), 80NSSC21K1327-735A48.
- 2021/10-2025/09 Suprathermal Property scaling and Acceleration Processes from the Near-Sun Environment to 1AU, NASA-LWS, Institution PI: \$209,988, 80NSSC21K1307 (Iowa), 735A45.
- 2021/08-2024/08 Characterization of Solar Energetic Particles at 1 AU, NASA-HGI, Institution PI: \$169,635, 80NSSC21K1814-735A41.
- 2021/04-2024/03 Studying Suprathermal Ion Compositions at SIRs, NASA-HGI, Institution PI (JHU): \$150,106, 80NSSC21K0733-735A34.
- 2018/10-2023/10 3D Modeling of Particle Acceleration and Transport at a CME-driven Shock, NASA-LWS, PI: \$803,141, 80NSSC19K0075-735392.

CONFERENCES and PRESENTATIONS (within 5 years)

- 2024/2.14 Effects of Forbush Decreases on the Global Electric Circuit, Inter-department seminar series **Invited**, Huntsville.
- 2023/12.12 Particle Acceleration at a Rippled Shocks, Fall AGU contributed talk, San Francisco.
- 2023/8.31 Solar Energetic Neutral Atoms from Solar Flares and CME-driven Shocks, NOAA Seminar **Invited**, online.
- 2023/8.7-8.11 Stochastic Parker Field Lines, SHINE, Stowe, Vermont.
- 2023/7.26-8.3 Statistical study of release time and its energy dependence of in-situ energetic electrons in impulsive, ICRC 2023, Nagoya, Japan.
- 2023/7.26-8.3 Modelling Gradual Solar Energetic Particle Events, ICRC 2023, Nagoya, Japan.
- 2023/6.12-6.16 Path Lengths of Stochastic Parker Field Lines, Solar Wind 16, Monterey, CA.
- 2023/4.17-4.21 Particle Acceleration and Transport in the inner Heliosphere, Space Weather Workshop, Boulder, CO.
- 2022/8.01-8.05 Electron Acceleration at a Shock With Ripples, AOGS 2022, online virtual meeting.
- 2022/7.17-7.24 Modeling Solar Energetic Particle Environment at 1 au Using the AWSoM and iPATH Models, 44th COSPAR Meeting, Athens, Greece.
- 2022/6.25-7.01 Solar Energetic Particles at the interface of GEM-SHINE, SHINE 2022, Honolulu.
- 2022/6.25-7.01 Uncertainties in SEP Modelling, SHINE 2022, Honolulu.
- 2022/6.13-6.15 Solar Energetic Particles and its solar cycle dependence, HeppaSolaris Workshop, Burgen, Norway.
- 2022/6.06-6.10 iPATH and SEPCaster - Forecasting/Nowcasting Solar Energetic Particle Events in the inner Heliosphere, CCMC Workshop 2022, Maryland.
- 2021/12.12-12.17 Constraining the underlying acceleration mechanism from various observational features in Large Solar Energetic Particle Events, AGU Fall 2021, New Orleans.
- 2021/08.01-08.06 A timing study of the underlying particle acceleration process in solar flares, AOGS 2021, online.
- 2021/08.01-08.06 Relating the Turbulent Solar Wind Spectral Break at Ion Scales with an Upstream Spectral Bump at Planetary Bow Shocks, SHINE 2021, online.
- 2021/04.19-04.30 A stochastic solar wind magnetic field model and probing its meandering nature by Energetic Electrons, EGU2021, online.
- 2021/03.18 Energetic Electron as a probe of particle acceleration at flares and solar wind magnetic field structure, Wind Monthly Meeting, online.
- 2020/12.07-12.15 Two distinct energetic electron populations in the 2001 04 25 event, Fall AGU2020, online.

- 2020/02.08-02.15 Modeling Solar Energetic Particles using the iPATH model, iSWAT Meeting, Coco Beach, Florida
- 2019/12.09-12.16 Effect of Shock Width on the Accelerated Particle Spectrum from Numerical Simulations, Fall AGU2020, San Francisco, California.
- 2019/12.09-12.16 Using the iPATH model to model the 2017 September 10 event, Fall AGU2020, San Francisco, California.

PUBLICATIONS

Refereed Journal Articles

- 2024 J. Tacza, G. Li, and J. P. Raulin. Effects of Forbush Decreases on the Global Electric Circuit. *Space Weather*, volume 22, page e2023SW003852, April 2024.
- 2024 Zheyi Ding, Gang Li, Nicolas Wijzen, Stefaan Poedts, and Shuo Yao. Modelling ion acceleration and transport in corotating interaction regions: the mass-to-charge ratio dependence of the particle spectrum. *arXiv e-prints*, page arXiv:2403.01201, March 2024.
- 2024 N. H. Bian, R. D. Strauss, G. Li, and N. E. Engelbrecht. Heliospheric Diffusion of Stochastic Parker Spirals in Radially Evolving Solar Wind Turbulence. , volume 962, page 186, February 2024.
- 2024 N. H. Bian and Gang Li. A fokker–planck framework for studying the variability of the magnetic field direction in the alfvénic streams of the solar wind. *The Astrophysical Journal Letters*, volume 960, page L15. The American Astronomical Society, jan 2024.
- 2023 Xiangyu Wu, Gang Li, Lulu Zhao, Frederic Effenberger, Linghua Wang, and Shuo Yao. Statistical study of release time and its energy dependence of in-situ energetic electrons in impulsive solar flares. *Journal of Geophysical Research: Space Physics*, page e2022JA030939. Wiley Online Library, 2023.
- 2023 N. Wijzen, G. Li, Z. Ding, D. Lario, S. Poedts, R. J. Filwett, R. C. Allen, and M. A. Dayeh. On the seed population of solar energetic particles in the inner heliosphere. *Journal of Geophysical Research: Space Physics*, volume 128, page e2022JA031203, 2023. e2022JA031203 2022JA031203.
- 2023 K. Moreland, M. A. Dayeh, G. Li, A. Farahat, R. W. Ebert, and M. I. Desai. Variability of Interplanetary Shock and Associated Energetic Particle Properties as a Function of the Time Window Around the Shock. *ApJ*, volume 956, page 107, October 2023.
- 2023 Gang Li, Albert Y Shih, Robert C Allen, George C Ho, Christina M S Cohen, Mihir Desai, Maher A Dayeh, and Glenn M Mason. Modeling Solar Energetic Neutral Atoms from Solar Flares and CME-driven Shocks. *The Astrophysical Journal*, volume 944, page 196. The American Astronomical Society, feb 2023.
- 2023 Gang Li and N. H. Bian. Lagrangian Stochastic Model for the Motions of Magnetic Footpoints on the Solar Wind Source Surface and the Path Lengths of Boundary-driven Interplanetary Magnetic Field Lines. *The Astrophysical Journal*, volume 945, page 150, March 2023.
- 2023 Zheyi Ding, Gang Li, Adolfo Santa Fe Dueñas, Robert W. Ebert, Nicolas Wijzen, and Stefaan Poedts. The East-West Asymmetry of Particle Intensity in Energetic Storm Particle Events. *Journal of Geophysical Research (Space Physics)*, volume 128, page e2023JA031502, July 2023.
- 2023 Zheyi Ding, Gang Li, Glenn Mason, Stefaan Poedts, Athanasios Kouloumvakos, George Ho, Nicolas Wijzen, Robert F. Wimmer-Schweingruber, and Javier Rodríguez-Pacheco. Modelling two Energetic Storm Particle Events Observed by Solar Orbiter Using the Combined EUHFORIA and iPATH Models. *arXiv e-prints*, page arXiv:2311.08346, November 2023.

- 2022 Y D Xu, G Li, and S Yao. Numerical Modeling of Spectral Hardening at a Finite-width Shock. *The Astrophysical Journal*, volume 932, page 87, jun 2022.
- 2022 Yuming Wang, Jingnan Guo, Gang Li, Elias Roussos, and Junwei Zhao. Variation in cosmic-ray intensity lags sunspot number: Implications of late opening of solar magnetic field. *The Astrophysical Journal*, volume 928, page 157. American Astronomical Society, apr 2022.
- 2022 M. Terres and Gang Li. Relating the solar wind turbulence spectral break at the dissipation range with an upstream spectral bump at planetary bow shocks. *The Astrophysical Journal*, volume 924, page 53. American Astronomical Society, jan 2022.
- 2022 A. Santa Fe Dueñas, R. W. Ebert, M. A. Dayeh, M. I. Desai, L. K. Jian, G. Li, and C. W. Smith. Dependence of Energetic Storm Particle Heavy Ion Peak Intensities and Spectra on Source CME Longitude and Speed. , volume 935, page 32, August 2022.
- 2022 J. X. Hu, V. S. Airapetian, Gang Li, G. Zank, and M. Jin. Extreme Energetic Particle Events by Superflare-associated CMEs from Solar-like Stars. *Science Advance*, volume 8, page eabi9743, March 2022.
- 2022 S. T. Hart, M. A. Dayeh, R. Bučík, M. I. Desai, R. W. Ebert, G. C. Ho, G. Li, and G. M. Mason. Statistical Study and Live Catalog of Multispacecraft ³He-rich Time Periods over Solar Cycles 23, 24, and 25. , volume 263, page 22, December 2022.
- 2022 Shuai Fu, Zheyi Ding, Yongjie Zhang, Xiaoping Zhang, Cunhui Li, Gang Li, Shuwen Tang, Haiyan Zhang, Yi Xu, Yuming Wang, Jingnan Guo, Lingling Zhao, Yi Wang, Xiangyu Hu, Pengwei Luo, Zhiyu Sun, Yuhong Yu, and Lianghai Xie. First Report of a Solar Energetic Particle Event Observed by China's Tianwen-1 Mission in Transit to Mars. *The Astrophysical Journal Letters*, volume 934, page L15, jul 2022.
- 2022 Zheyi Ding, Nicolas Wijsen, Gang Li, and Stefaan Poedts. Modeling the 2020 November 29 solar energetic particle event using EUHFORIA and iPATH models. , volume 668, page A71, December 2022.
- 2022 Zheyi Ding, Gang Li, Robert W. Ebert, Maher A. Dayeh, Adolfo Santa Fe-Dueñas, Mihir Desai, Hong Xie, N. Gopalswamy, and A. Bruno. Modelling the East-West asymmetry of energetic particle fluence in large solar energetic particle events using the iPATH model. *Journal of Geophysical Research: Space Physics*, pages 1–14, 2022.
- 2022 N. H. Bian and Gang Li. On the local structure of stochastic parker spirals in the solar wind. *The Astrophysical Journal*, volume 941, page 58. The American Astronomical Society, dec 2022.
- 2021 Jiawei Tao, Linghua Wang, Gang Li, Robert F. Wimmer-Schweingruber, Chadi Salem, Lan K. Jian, and Stuart D. Bale. Solar Wind 0.15–1.5 keV Electrons around Corotating Interaction Regions at 1 au. *The Astrophysical Journal*, volume 922, page 198. IOP Publishing, 2021.
- 2021 O. Pezzi, F. Pecora, J. le Roux, N. E. Engelbrecht, A. Greco, S. Servidio, H. V. Malova, O. V. Khabarova, O. Malandraki, R. Bruno, W. H. Matthaeus, G. Li, L. M. Zelenyi, R. A. Kislov, V. N. Obridko, and V. D. Kuznetsov. Current Sheets, Plasmoids and Flux Ropes in the Heliosphere Part II: Theoretical Aspects. *Space Science Reviews*, volume 217, page 39, apr 2021.
- 2021 Gang Li, Meng Jin, Zheyi Ding, A Bruno, G. A. de Nolfo, B M Randol, L Mays, J. Ryan, and D Lario. Modeling the 2012 May 17 Solar Energetic Particle Event Using the AWSoM and iPATH Models. *The Astrophysical Journal*, volume 919, page 146, oct 2021.
- 2021 G. Li, X. Wu, F. Effenberger, L. Zhao, S. Lesage, N. Bian, and L. Wang. Constraints on the Electron Acceleration Process in Solar Flare: A Case Study. *Geophysical Research Letters*, volume 48, pages 1–9, oct 2021.

- 2021 Olga Khabarova, Timothy Sagitov, Roman Kislov, and Gang Li. Automated identification of current sheets a new tool to study turbulence and intermittency in the solar wind. *Journal of Geophysical Research: Space Physics*, pages 1–25, 2021.
- 2021 O. Khabarova, O. Malandraki, H. Malova, R. Kislov, A. Greco, R. Bruno, O. Pezzi, S. Servidio, Gang Li, W. Matthaeus, J. Le Roux, N. E. Engelbrecht, F. Pecora, L. Zelenyi, V. Obridko, and V. Kuznetsov. Current Sheets, Plasmoids and Flux Ropes in the Heliosphere: Part I. 2-D or not 2-D? General and Observational Aspects. *Space Science Reviews*, volume 217. The Author(s), under exclusive licence to Springer Nature B.V., 2021.
- 2021 N. H. Bian and G. Li. Stochastic Parker Spirals in the Solar Wind. *The Astrophysical Journal*, volume 908, page 45. American Astronomical Society, feb 2021.
- 2021 R. C. Allen, G. C. Ho, G. M. Mason, G. Li, L. K. Jian, S. K. Vines, N. A. Schwadron, C. J. Joyce, S. D. Bale, J. W. Bonnell, A. W. Case, E. R. Christian, C. M. S. Cohen, M. I. Desai, R. Filwett, K. Goetz, P. R. Harvey, M. E. Hill, J. C. Kasper, K. E. Korreck, D. Lario, D. Larson, R. Livi, R. J. MacDowall, D. M. Malaspina, D. J. McComas, R. McNutt, D. G. Mitchell, K. W. Paulson, M. Pulupa, N. Raouafi, M. L. Stevens, P. L. Whittlesey, and M. Wiedenbeck. Radial Evolution of a CIR: Observations From a Nearly Radially Aligned Event Between Parker Solar Probe and STEREO-A. *Geophysical Research Letters*, volume 48, 2021.
- 2020 Liu Yang, Linghua Wang, Liang Zhao, Jiawei Tao, Gang Li, Robert F. Wimmer-Schweingruber, Jiansen He, Hui Tian, and Stuart D. Bale. Quiet-time Solar Wind Suprathermal Electrons of Different Solar Origins. *The Astrophysical Journal*, volume 896, page L5. IOP Publishing, 2020.
- 2020 G. M. Webb, P. Mostafavi, S. Al-Nussirat, A. F. Barghouty, G. Li, J. A. le Roux, and G. P. Zank. Cosmic-Ray Acceleration in Radio-jet Shear Flows: Scattering Inside and Outside the Jet. *The Astrophysical Journal*, volume 894, page 95, may 2020.
- 2020 H. Q. Song, J. Zhang, X. Cheng, G. Li, Q. Hu, L. P. Li, S. J. Chen, R. S. Zheng, and Y. Chen. Do All Interplanetary Coronal Mass Ejections Have a Magnetic Flux Rope Structure Near 1 au? *The Astrophysical Journal*, volume 901, page L21, sep 2020.
- 2020 Katharine K. Reeves, Vanessa Polito, Bin Chen, Giselle Galan, Sijie Yu, Wei Liu, and Gang Li. Hot Plasma Flows and Oscillations in the Loop-top Region During the 2017 September 10 X8.2 Solar Flare. *The Astrophysical Journal*, volume 905, page 165, dec 2020.
- 2020 G. Li, L. Zhao, L. Wang, W. Liu, and X. Wu. Identification of Two Distinct Electron Populations in an Impulsive Solar Energetic Electron Event. *The Astrophysical Journal*, volume 900, page L16, sep 2020.
- 2020 G. Li, X. Wu, L. Zhao, and S. Yao. Observations of Outward-propagating and Mirroring of the Same Energetic Electrons by Wind. *The Astrophysical Journal*, volume 905, page L1, 2020.
- 2020 Zhe-Yi Ding, Gang Li, Jun-Xiang Hu, and Shuai Fu. Modeling the 2017 September 10 solar energetic particle event using the iPATH model. *Research in Astronomy and Astrophysics*, volume 20, page 145, sep 2020.
- 2019 Lulu Zhao, Gang Li, Ming Zhang, Linghua Wang, Ashraf Moradi, and Frederic Effenberger. Statistical Analysis of Interplanetary Magnetic Field Path Lengths from Solar Energetic Electron Events Observed by WIND. *The Astrophysical Journal*, volume 878, page 107. IOP Publishing, jun 2019.
- 2019 Liu Yang, Linghua Wang, Gang Li, Robert F. Wimmer-Schweingruber, Jiansen He, Chuanyi Tu, Hui Tian, and Stuart D. Bale. Electron Acceleration by ICME-driven Shocks at 1 au. *The Astrophysical Journal*, volume 875, page 104, apr 2019.

- 2019 Mengjiao Xu, Chenglong Shen, Yutian Chi, Yuming Wang, Qiang Hu, Gang Li, Zhihui Zhong, and Jiayi Liu. The Enhancement of the Energetic Particle Intensities in ICMEs. *The Astrophysical Journal*, volume 885, page 54, oct 2019.
- 2019 G. M. Webb, S. Al-Nussirat, P. Mostafavi, A. F. Barghouty, G. Li, J. A. le Roux, and G. P. Zank. Particle Acceleration by Cosmic Ray Viscosity in Radio-jet Shear Flows. *The Astrophysical Journal*, volume 881, page 123, aug 2019.
- 2019 Ashraf Moradi and Gang Li. Propagation of Scatter-free Solar Energetic Electrons in a Meandering Interplanetary Magnetic Field. *The Astrophysical Journal*, volume 887, page 102, dec 2019.
- 2019 Olga Malandraki, Olga Khabarova, Roberto Bruno, Gary P. Zank, Gang Li, Bernard Jackson, Mario M. Bisi, Antonella Greco, Oreste Pezzi, William Matthaeus, Alexandros Chasapis Giannakopoulos, Sergio Servidio, Helmi Malova, Roman Kislov, Frederic Effenberger, Jakobus le Roux, Yu Chen, Qiang Hu, and N. Eugene Engelbrecht. Current Sheets, Magnetic Islands, and Associated Particle Acceleration in the Solar Wind as Observed by Ulysses near the Ecliptic Plane. *The Astrophysical Journal*, volume 881, page 116, aug 2019.
- 2019 Shuai Fu, Yong Jiang, Vladimir Airapetian, Junxiang Hu, Gang Li, and Gary Zank. Effect of Star Rotation Rate on the Characteristics of Energetic Particle Events. *The Astrophysical Journal*, volume 878, page L36, jun 2019.
- 2019 Liu-Guan Ding, Zhi-Wei Wang, Li Feng, Gang Li, and Yong Jiang. Is the enhancement of type II radio bursts during CME interactions related to the associated solar energetic particle event? *Research in Astronomy and Astrophysics*, volume 19, page 005. IOP Publishing, jan 2019.
- 2018 Liu Yang, Linghua Wang, Gang Li, Robert F. Wimmer-Schweingruber, Jiansen He, Chuanyi Tu, Hui Tian, and Stuart D. Bale. The Strongest Acceleration of >40 keV Electrons by ICME-driven Shocks at 1 au. *The Astrophysical Journal*, volume 853, page 89. IOP Publishing, 2018.
- 2018 Hao Ning, Yao Chen, Zhao Wu, Yang Su, Hui Tian, Gang Li, Guohui Du, and Hongqiang Song. Two-stage Energy Release Process of a Confined Flare with Double HXR Peaks. *The Astrophysical Journal*, volume 854, page 178. IOP Publishing, feb 2018.
- 2018 Meng Jin, Vahe Petrosian, Wei Liu, Nariaki V. Nitta, Nicola Omodei, Fatima Rubio da Costa, Frederic Effenberger, Gang Li, Melissa Pesce-Rollins, Alice Allafort, and Ward Manchester. Probing the Puzzle of Behind-the-limb γ -Ray Flares: Data-driven Simulations of Magnetic Connectivity and CME-driven Shock Evolution. *The Astrophysical Journal*, volume 867, page 122, nov 2018.
- 2018 Junxiang Hu, Gang Li, Shuai Fu, Gary Zank, and Xianzhi Ao. Modeling a Single SEP Event from Multiple Vantage Points Using the iPATH Model. *The Astrophysical Journal*, volume 854, page L19. IOP Publishing, 2018.
- 2018 Xuedong Feng, Shuo Yao, Dongni Li, Gang Li, and Xiaoli Yan. Statistical Study of ICMEs with Low Mean Carbon Charge State Plasmas Detected from 1998 to 2011. *The Astrophysical Journal*, volume 868, page 124, nov 2018.
- 2017 H. Q. Song, X. Cheng, Y. Chen, J. Zhang, B. Wang, L. P. Li, B. Li, Q. Hu, and G. Li. The Three-part Structure of a Filament-unrelated Solar Coronal Mass Ejection. *The Astrophysical Journal*, volume 848, page 21, 2017.
- 2017 Junxiang Hu, Gang Li, Xianzhi Ao, Gary P. Zank, and Olga Verkhoglyadova. Modeling Particle Acceleration and Transport at a 2-D CME-Driven Shock. *Journal of Geophysical Research: Space Physics*, volume 122, pages 10,938–10,963, nov 2017.

- 2017 Lijia Guo, Gang Li, Kathy Reeves, and John Raymond. Solar Flare Termination Shock and Synthetic Emission Line Profiles of the Fe xxi 1354.08 Line. *The Astrophysical Journal*, volume 846, page L12. IOP Publishing, aug 2017.
- 2016 J. Y. Zhong, J. Lin, Y. T. Li, X. Wang, Y. Li, K. Zhang, D. W. Yuan, Y. L. Ping, H. G. Wei, J. Q. Wang, L. N. Su, F. Li, B. Han, G. Q. Liao, C. L. Yin, Y. Fang, X. Yuan, C. Wang, J. R. Sun, G. Y. Liang, F. L. Wang, Y. K. Ding, X. T. He, J. Q. Zhu, Z. M. Sheng, G. Li, G. Zhao, and J. Zhang. RELATIVISTIC ELECTRONS PRODUCED BY RECONNECTING ELECTRIC FIELDS IN A LASER-DRIVEN BENCH-TOP SOLAR FLARE. *The Astrophysical Journal Supplement Series*, volume 225, page 30, aug 2016.
- 2016 Lulu Zhao, Gang Li, Glenn M. Mason, Christina Cohen, Richard Mewaldt, Mihir Desai, Rob Ebert, and Maher Al-Dayeh. Probing shock geometry via the charge to mass ratio dependence of heavy ion spectra from multiple spacecraft observations of the 2013 November 4 event. *Research in Astronomy and Astrophysics*, volume 16, page 190, dec 2016.
- 2016 Lulu Zhao, Gang Li, R. W. Ebert, M. A. Dayeh, M. I. Desai, G. M. Mason, Z. Wu, and Y. Chen. Modeling transport of energetic particles in corotating interaction regions: A case study. *Journal of Geophysical Research A: Space Physics*, volume 121, pages 77–92, 2016.
- 2016 Zhao Wu, Yao Chen, Guangli Huang, Hiroshi Nakajima, Hongqiang Song, Victor Melnikov, Wei Liu, Gang Li, Kalugodu Chandrashekar, and Fangran Jiao. MICROWAVE IMAGING OF A HOT FLUX ROPE STRUCTURE DURING THE PRE-IMPULSIVE STAGE OF AN ERUPTIVE M7.7 SOLAR FLARE. *The Astrophysical Journal*, volume 820, page L29. IOP Publishing, mar 2016.
- 2016 Jiawei Tao, Linghua Wang, Qiugang Zong, Gang Li, Chadi S. Salem, Robert F. Wimmer-Schweingruber, Jiansen He, Chuanyi Tu, and Stuart D. Bale. QUIET-TIME SUPRATHERMAL (0.1–1.5 keV) ELECTRONS IN THE SOLAR WIND. *The Astrophysical Journal*, volume 820, page 22. IOP Publishing, mar 2016.
- 2016 H. Q. Song, Z. Zhong, Y. Chen, J. Zhang, X. Cheng, L. Zhao, Q. Hu, and G. Li. A STATISTICAL STUDY OF THE AVERAGE IRON CHARGE STATE DISTRIBUTIONS INSIDE MAGNETIC CLOUDS FOR SOLAR CYCLE 23. *The Astrophysical Journal Supplement Series*, volume 224, page 27, jun 2016.
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