

PUBLICATIONS of Dr. Gregory Fleishman

1. *Fleishman, Gregory D.; Nita, Gelu M.; White, Stephen M.; Gary, Dale E.; Bastian, Tim S.* Science with an ngVLA: ngVLA Observations of Coronal Magnetic Fields. P. 125. The ASP Monograph Series, "Science with a Next-Generation VLA," ed. E. J. Murphy (ASP, San Francisco, CA), 2018, 827 pp. ISBN: 978-1-58381-919-7 (arXiv: 1810.06622)
2. *Fleishman G., Pevtsov A.* Introductory Chapter 3: "Electric Currents in the Solar Atmosphere" in "Electric Currents in Geospace and Beyond," (Wiley; New York), 2018, 596 pp. ISBN: 978-1-119-32449-2. doi: 10.1002/9781119324522.ch3
3. *Sijie Yu, Bin Chen, Katharine K. Reeves, Dale E. Gary, Sophie Musset, Gregory D. Fleishman, Gelu M. Nita, and Lindsay Glesener.* Magnetic Reconnection during the Post-impulsive Phase of a Long-duration Solar Flare: Bidirectional Outflows as a Cause of Microwave and X-Ray Bursts. 900:17 (14pp), 2020
4. *Chen, B; Chengcai Shen, Dale E. Gary, Katharine K. Reeves, Gregory D. Fleishman, Sijie Yu, Fan Guo, S'am Krucker, Jun Lin, Gelu Nita, and Xiangliang Kong.* Measurement of magnetic field and relativistic electrons along a solar flare current sheet. *Nature Astronomy*, 2020*NatAs.tmp..150C*, 2020
5. *Fleishman, G. D.; Gary, D. E.; Chen, B; Kuroda, N.; Yu, S.; and Nita, G. M.* Decay of the Coronal Magnetic Field can Release Sufficient Energy to Power a Solar Flare. *Science* 367, 278–280, 2020
6. *Anfinogentov, S. A.; Stupishin, A. G.; Mysh'yakov, I. I.; Fleishman, G. D.* Record-breaking Coronal Magnetic Field in Solar Active Region 12673. *ApJ Letters* 880, L29 (5 pp), 2019
7. *Fleishman, G. D.; Mysh'yakov, I. I.; Stupishin, A.; Loukitcheva, M. A; Anfinogentov, S.* Force-Free Field Reconstructions Enhanced by Chromospheric Magnetic Field Data. *ApJ* 870, 101, 2019
8. *Glesener, L. & Fleishman, G.* Electron Acceleration and Jet-Facilitated Escape in an M Class Solar Flare on 2002 August 19. *ApJ* 2018, 867, 84 (13pp)
9. *Fleishman, Gregory D.; Nita, Gelu M.; Gary, Dale E.* A Large-scale Plume in an X-class Solar Flare. *ApJ* 2017, 845, 135, 6 pp.
10. *Wang, Haimin; Liu, Chang; Ahn, Kwangsu; Xu, Yan; Jing, Ju; Deng, Na; Huang, Nengyi; Liu, Rui; Kusano, Kanya; Fleishman, Gregory D.; Gary, Dale E.; Cao, W.* High-resolution observations of flare precursors in the low solar atmosphere. *Nature Astronomy* 2017, 1, 0085
11. *Fleishman, Gregory D.; Anfinogentov, Sergey; Loukitcheva, Maria; Mysh'yakov, Ivan; Stupishin, Alexey.* Casting the Coronal Magnetic Field Reconstruction Tools in 3D Using the MHD Bifrost Model. *ApJ* 2017, 839, 30
12. *Wedemeyer, S.; Bastian, T.; Brajsa, R.; Barta, M.; Hudson, H.; Fleishman, G.; et al.* Solar science with the Atacama Large Millimeter/submillimeter Array - A revolutionizing new view of our Sun. *Space Sci. Rev.* 2016, 200, 1. Impact factor 5.874.