Bibliography

- [Alfvén, 1942] Alfvén, H. (1942). Existence of electromagnetic-hydrodynamic waves. *Nature*, 150:405–406.
- [Bale et al., 2009] Bale, S. D., Kasper, J. C., Howes, G. G., Quataert, E., Salem, C., and Sundkvist, D. (2009). Magnetic fluctuation power near proton temperature anisotropy instability thresholds in the solar wind. *Phys. Rev. Lett.*, 103(21):211101.
- [Biskamp and Welter, 1972] Biskamp, D. and Welter, H. (1972). Structure of the Earth's bow shock. J. Geophys. Res., 77(31):6052.
- [Cairns and Robinson, 1999] Cairns, I. H. and Robinson, P. A. (1999). Strong evidence for stochastic growth of langmuir-like waves in earth's foreshock. *Physical Review Letters*, 82:3066–3069.
- [Coppi et al., 1966] Coppi, B., Laval, G., and Pellat, R. (1966). Dynamics of the geomagnetic tail. *Phys. Rev. Lett.*, 16:1207–1210.
- [Cramer, 2001] Cramer, N. F. (2001). The Physics of Alfvén Waves.
- [Dungey, 1961] Dungey, J. W. (1961). Interplanetary magnetic field and the auroral zones. *Phys. Rev. Lett.*, 6:47–48.
- [Fairfield, 1969] Fairfield, D. H. (1969). Bow shock associated waves observed in the far upstream interplanetary medium. *J. Geophys. Res.*, 74:3541.
- [Furth et al., 1963] Furth, H. P., Killeen, J., and Rosenbluth, M. N. (1963). Finite-Resistivity Instabilities of a Sheet Pinch. *Physics of Fluids*, 6:459–484.
- [Gary, 1993] Gary, S. P. (1993). Theory of Space Plasma Microinstabilities.
- [Gary and Feldman, 1978] Gary, S. P. and Feldman, W. C. (1978). A second-order theory for k parallel b sub 0 electromagnetic instabilities. *Phys. Fluids*, 21:72–80.
- [Ginzburg and Zhelezniakov, 1958] Ginzburg, V. L. and Zhelezniakov, V. V. (1958). On the possible mechanisms of sporadic solar radio emission (radiation in an isotropic plasma). *Soviet Ast.*, 2:653.
- [Harris, 1962] Harris, E. (1962). On a plasma sheath separating regions of oppositely directed magnetic field. *Il Nuovo Cimento* (1955-1965), 23:115–121.
- [Hasegawa and Uberoi, 1982] Hasegawa, A. and Uberoi, C. (1982). The Alfvén wave.
- [Hoppe et al., 1981] Hoppe, M. M., Russell, C. T., Frank, L. A., Eastman, T. E., and Greenstadt, E. W. (1981). Upstream hydromagnetic waves and their association with backstreaming ion populations isee 1 and 2 observations. *J. Geophys. Res.*, 86:4471–4492.

BIBLIOGRAPHY 61

[Krauss-Varban and Omidi, 1995] Krauss-Varban, D. and Omidi, N. (1995). Large-scale hybrid simulations of the magnetotail during reconnection. *Geophys. Res. Lett.*, 22:3271–3274.

- [Lembege and Pellat, 1982] Lembege, B. and Pellat, R. (1982). Stability of a thick two-dimensional quasineutral sheet. *Phys. Fluids*, 25:1995–2004.
- [Loureiro et al., 2005] Loureiro, N. F., Cowley, S. C., Dorland, W. D., Haines, M. G., and Schekochihin, A. A. (2005). X-point collapse and saturation in the nonlinear tearing mode reconnection. *Phys. Rev. Lett.*, 95(23):235003.
- [Loureiro et al., 2012] Loureiro, N. F., Samtaney, R., Schekochihin, A. A., and Uzdensky, D. A. (2012). Magnetic reconnection and stochastic plasmoid chains in high-lundquist-number plasmas. *Phys. Plasmas*, 19(4):042303.
- [Parker, 1957] Parker, E. N. (1957). Sweet's mechanism for merging magnetic fields in conducting fluids. *J. Geophys. Res.*, 62:509–520.
- [Petschek, 1964] Petschek, H. E. (1964). Magnetic Field Annihilation, volume 50, page 425.
- [Reid and Ratcliffe, 2014] Reid, H. A. S. and Ratcliffe, H. (2014). A review of solar type iii radio bursts. Research in Astronomy and Astrophysics, 14:773–804.
- [Rutherford, 1973] Rutherford, P. H. (1973). Nonlinear growth of the tearing mode. *Physics of Fluids*, 16:1903–1908.
- [Sahraoui et al., 2009] Sahraoui, F., Goldstein, M. L., Robert, P., and Khotyaintsev, Y. V. (2009). Evidence of a cascade and dissipation of solar-wind turbulence at the electron gyroscale. *Physical Review Letters*, 102(23):231102.
- [Smith and Sime, 1979] Smith, D. F. and Sime, D. (1979). Origin of plasma-wave clumping in type III solar radio burst sources. Ap. J., 233(3):998–1004.
- [Stasiewicz et al., 2000] Stasiewicz, K., Khotyaintsev, Y., Berthomier, M., and Wahlund, J.-E. (2000). Identification of widespread turbulence of dispersive alfvén waves. *Geophys. Res. Lett.*, 27:173–176.
- [Sweet, 1958] Sweet, P. A. (1958). The Neutral Point Theory of Solar Flares. In Lehnert, B., editor, Electromagnetic Phenomena in Cosmical Physics, volume 6 of IAU Symposium, page 123.
- [White et al., 1977] White, R. B., Monticello, D. A., Rosenbluth, M. N., and Waddell, B. V. (1977). Saturation of the tearing mode. *Physics of Fluids*, 20:800–805.