

Bibliography from ADS file: zweibel.bib
September 14, 2022

- Tripathi, B., Fraser, A. E., Terry, P. W., Zweibel, E. G., & Puschel, M. J., “Near-cancellation of up- and down-gradient momentum transport in forced magnetized shear-flow turbulence”, 2022PhP1...29i2301T ADS
- López-Rodríguez, E., Mao, S. A., Beck, R., et al., “Extragalactic Magnetism with SOFIA (SALSA Legacy Program). IV. Program Overview and First Results on the Polarization Fraction”, 2022ApJ...936...92L ADS
- Ley, F., Zweibel, E. G., Riquelme, M., et al., “A Heating Mechanism via Magnetic Pumping in the Intracluster Medium”, 2022arXiv220900019L ADS
- Reichherzer, P., Becker Tjus, J., Zweibel, E. G., Merten, L., & Puschel, M. J., “Anisotropic cosmic ray diffusion in isotropic Kolmogorov turbulence”, 2022MNRAS.514.2658R ADS
- Tripathi, B., Fraser, A. E., Terry, P. W., Zweibel, E. G., & Puschel, M. J., “Mechanism for sequestering magnetic energy at large scales in shear-flow turbulence”, 2022PhP1...29g0701T ADS
- Heintz, E. & Zweibel, E., “Galaxies at a Cosmic-Ray Eddington Limit”, 2022arXiv220604082H ADS
- Wong, S., Habegger, R., Heintz, E., Bustard, C., & Zweibel, E., “Cosmic Ray and Magnetically Driven Bubbles in Galaxies”, 2022AAS...24030218W ADS
- Miller, D., Ley, F., & Zweibel, E., “Fourier analysis of small-scale plasma instabilities within the ICM”, 2022AAS...24013916M ADS
- Bale, S., Bhattacharjee, A., Cattaneo, F., et al., “Research Opportunities in Plasma Astrophysics”, 2022arXiv220302406B ADS
- Yang, H. Y. K., Ruszkowski, M., & Zweibel, E. G., “Fermi and eROSITA bubbles as relics of the past activity of the Galaxy’s central black hole”, 2022NatAs...6...584Y ADS
- Dörner, J., Reichherzer, P., Merten, L., et al., “Implications of turbulence dependent diffusion on cosmic ray spectra”, 2022epsc.confE..90D ADS
- Reichherzer, P., Merten, L., Dörner, J., et al., “Regimes of cosmic-ray diffusion in Galactic turbulence”, 2022SNAS...4...15R ADS
- Borlaff, A. S., López-Rodríguez, E., Beck, R., et al., “Extragalactic Magnetism with SOFIA (Legacy Program). I. The Magnetic Field in the Multiphase Interstellar Medium of M51”, 2021ApJ...921...128B ADS
- Boettcher, E., Gallagher, J. S., & Zweibel, E. G., “VizieR Online Data Catalog: Best-fit emission-line properties in NGC 5775 (Boettcher+, 2019)”, 2021yCat...18850160B ADS
- Bustard, C. & Zweibel, E. G., “Cosmic-Ray Transport, Energy Loss, and Influence in the Multiphase Interstellar Medium”, 2021ApJ...913...106B ADS
- Fraser, A. E., Terry, P. W., Zweibel, E. G., Puschel, M. J., & Schroeder, J. M., “The impact of magnetic fields on momentum transport and saturation of shear-flow instability by stable modes”, 2021PhP1...28b2309F ADS
- Habegger, R. & Zweibel, E., “Buoyancy of Cosmic Ray Loaded Magnetic Flux Tubes in the Galactic Disk”, 2021APS...DPPJP1015H ADS
- Ley, F., Zweibel, E., Riquelme, M., & Sironi, L., “A heating mechanism for high- β plasmas in galaxy clusters”, 2021APS...DPPJP1005L ADS
- Haggerty, C., Caprioli, D., & Zweibel, E., “The Kinetic Plasma Physics of Cosmic Ray Streaming Instabilities: Hybrid Simulations of the Nonlinear Growth”, 2021APS...APRE10007H ADS
- Lucchini, S., D’Onghia, E., Fox, A., et al., “The Magellanic Corona as the key to the formation of the Magellanic Stream”, 2021AAS...23743406L ADS
- Reichherzer, P., Becker Tjus, J., Zweibel, E. G., Merten, L., & Puschel, M. J., “Turbulence-level dependence of cosmic ray parallel diffusion”, 2020MNRAS.498.5051R ADS
- Jones, T. J., Kim, J.-A., Dowell, C. D., et al., “HAWC+ Far-infrared Observations of the Magnetic Field Geometry in M51 and NGC 891”, 2020AJ...160...167J ADS
- Ji, H., Karpen, J., Alt, A., et al., “Major Scientific Challenges and Opportunities in Understanding Magnetic Reconnection and Related Explosive Phenomena in Solar and Heliospheric Plasmas”, 2020arXiv200908779J ADS
- Rybarczyk, D., Stanimirović, S., Murray, C., et al., “ALMA-SPONGE: The Role of Neutral Hydrogen in Diffuse Interstellar Chemistry”, 2020AAS...23623702R ADS
- Gardipee, J., Bustard, C., & Zweibel, E., “Cosmic Ray Transport and Calorimetry in the Simulated LMC”, 2020AAS...23613602G ADS
- Rybarczyk, D. R., Stanimirović, S., Zweibel, E. G., et al., “Small-scale Structure Traced by Neutral Hydrogen Absorption in the Direction of Multiple-component Radio Continuum Sources”, 2020ApJ...893...152R ADS
- Bustard, C., Zweibel, E. G., D’Onghia, E., Gallagher, J. S., I., & Farber, R., “Cosmic-Ray-driven Outflows from the Large Magellanic Cloud: Contributions to the LMC Filament”, 2020ApJ...893...29B ADS
- Chen, L. E., Bott, A. F. A., Tzeferacos, P., et al., “Transport of High-energy Charged Particles through Spatially Intermittent Turbulent Magnetic Fields”, 2020ApJ...892...114C ADS
- Ji, H., Alt, A., Antiochos, S., et al., “Major Scientific Challenges and Opportunities in Understanding Magnetic Reconnection and Related Explosive Phenomena throughout the Universe”, 2020arXiv200400079J ADS
- Heintz, E., Bustard, C., & Zweibel, E. G., “The Role of the Parker Instability in Structuring the Interstellar Medium”, 2020ApJ...891...157H ADS
- Zweibel, E. G., “The Role of Pressure Anisotropy in Cosmic-Ray Hydrodynamics”, 2020ApJ...890...67Z ADS
- Lucchini, S., D’Onghia, E., Fox, A. J., et al., “The Magellanic Corona as the key to the formation of the Magellanic Stream”, 2020Natur.585...203L ADS
- López-Rodríguez, E., Dowell, C. D., Jones, T. J., et al., “SOFIA/HAWC+ Traces the Magnetic Fields in NGC 1068”, 2020ApJ...888...66L ADS
- Ley, F., Zweibel, E., Riquelme, M., & Sironi, L., “Heating and acceleration processes in galaxy cluster plasmas”, 2020APS...DPPP11001L ADS
- Bustard, C., Zweibel, E., D’Onghia, E., & Gallagher, J., “Cosmic Ray Transport and the Galaxy Gas Cycle”, 2020AAS...23526002B ADS
- Bustard, C., Zweibel, E., D’Onghia, E., & Gallagher, J., “Cosmic Ray Transport and the Galaxy Gas Cycle”, 2020AAS...23512304B ADS
- Boettcher, E., Gallagher, J. S., I., & Zweibel, E. G., “A Dynamical Study of Extraplanar Diffuse Ionized Gas in NGC 5775”, 2019ApJ...885...160B ADS
- Wiener, J., Zweibel, E. G., & Ruszkowski, M., “Cosmic ray acceleration of cool clouds in the circumgalactic medium”, 2019MNRAS.489...205W ADS
- Zweibel, E., “Some Recent Results on Cosmic-Ray Feedback”, 2019cmms.confE..25Z ADS
- Wiener, J. & Zweibel, E. G., “Constraints on cosmic-ray transport in galaxy clusters from radio and γ -ray observations”, 2019MNRAS.488...280W ADS
- Goldstein, J., Townsend, R. H. D., & Zweibel, E. G., “The Tayler Instability in the Anelastic Approximation”, 2019ApJ...881...66G ADS
- Merten, L., Tjus, J., Bustard, C., & Zweibel, E., “Cosmic-Ray Transport between the Knee and the Ankle with CRPropa”, 2019ICRC...36...350M ADS
- Haggerty, C., Caprioli, D., & Zweibel, E., “Hybrid Simulations of the Resonant and Non-Resonant Cosmic Ray Streaming Instability”, 2019ICRC...36...279H ADS
- Uzdensky, D., Begelman, M., Beloborodov, A., et al., “Extreme Plasma Astrophysics”, 2019BAAS...51c.362U ADS
- Ruszkowski, M., Nagai, D., Zhuravleva, I., et al., “Supermassive Black Hole Feedback”, 2019BAAS...51c.326R ADS
- Ji, H., Alt, A., Antiochos, S., et al., “Major Scientific Challenges and Opportunities in Understanding Magnetic Reconnection and Related Explosive Phenomena throughout the Universe”, 2019BAAS...51c...5J ADS
- Caprioli, D., Brunetti, G., Jones, T. W., et al., “Plasma 2020 - Intracluster Medium Plasmas”, 2019arXiv190308751C ADS
- Kunz, M. W., Squire, J., Balbus, S. A., et al., “[Plasma 2020 Decadal] The Material Properties of Weakly Collisional, High-Beta Plasmas”, 2019arXiv190304080K ADS
- Jones, T. J., Dowell, C. D., López Rodríguez, E., et al., “SOFIA Far-infrared Imaging Polarimetry of M82 and NGC 253: Exploring the Supergalactic Wind”, 2019ApJ...870L...9J ADS
- Williams, A., Wilcots, E., & Zweibel, E., “Probing the magnetoionized intra-group medium of NGC 2563”, 2019AAS...232323906W ADS
- Fraser, A. E., Puschel, M. J., Terry, P. W., & Zweibel, E. G., “Role of stable modes in driven shear-flow turbulence”, 2018PhP1...2512303F ADS
- Stanimirović, S. & Zweibel, E. G., “Atomic and Ionized Microstructures in the Diffuse Interstellar Medium”, 2018ARA&A...56...489S ADS
- Bustard, C., Pardy, S. A., D’Onghia, E., Zweibel, E. G., & Gallagher, J. S., I., “The Fate of Supernova-heated Gas in Star-forming Regions of the LMC: Lessons for Galaxy Formation?”, 2018ApJ...863...49B ADS
- Heintz, E. & Zweibel, E. G., “The Parker Instability with Cosmic-Ray Streaming”, 2018ApJ...860...97H ADS
- Merten, L., Bustard, C., Zweibel, E. G., & Becker Tjus, J., “The Propagation of Cosmic Rays from the Galactic Wind Termination Shock: Back to the Galaxy?”, 2018ApJ...859...63M ADS
- Zweibel, E. G., Mirnov, V. V., Ruszkowski, M., et al., “Acoustic Disturbances in Galaxy Clusters”, 2018ApJ...858...5Z ADS
- Farber, R., Ruszkowski, M., Yang, H. Y. K., & Zweibel, E. G., “Impact of Cosmic-Ray Transport on Galactic Winds”, 2018ApJ...856...112F ADS
- Townsend, R. H. D., Goldstein, J., & Zweibel, E. G., “Angular momentum transport by heat-driven g-modes in slowly pulsating B stars”, 2018MNRAS.475...879T ADS
- Yang, H. Y., Ruszkowski, M., & Zweibel, E., “Unveiling the Origin of the Fermi Bubbles”, 2018Galax...6...29Y ADS
- Wiener, J., Zweibel, E. G., & Oh, S. P., “High β effects on cosmic ray streaming in galaxy clusters”, 2018MNRAS.473.3095W ADS
- Boettcher, E., Zweibel, E., Gallagher, J. S., & Benjamin, R. A., “New Perspectives on the Dynamical State of Extraplanar Diffuse Ionized Gas Layers”, 2018AAS...23142904B ADS

- Tomesh, T., Bustard, C., & Zweibel, E., “Mock X-ray Observations of Localized LMC Outflows”, 2018AAS...23125108T ADS
- Cotter, C., Bustard, C., & Zweibel, E., “Cosmic Ray Acceleration from Multiple Galactic Wind Shocks”, 2018AAS...23125104C ADS
- Yoast-Hull, T. M., Gallagher, J. S., Halzen, F., Kheirandish, A., & Zweibel, E. G., “Gamma-ray puzzle in Cygnus X: Implications for high-energy neutrinos”, 2017PhRvD...96d3011Y ADS
- Mao, S. A., Carilli, C., Gaensler, B. M., et al., “Detection of microgauss coherent magnetic fields in a galaxy five billion years ago”, 2017NatAs...1...621M ADS
- Boettcher, E., Gallagher, J. S., I., & Zweibel, E. G., “Detection of Extraplanar Diffuse Ionized Gas in M83”, 2017ApJ...845...155B ADS
- Wiener, J., Oh, S. P., & Zweibel, E. G., “Interaction of cosmic rays with cold clouds in galactic haloes”, 2017MNRAS.467...646W ADS
- Williams, A., Lundgren, B., Mao, S. A., Wilcots, E., & Zweibel, E., “Using rotation measure to search for magnetic fields around galaxies at $z \sim 0.5$ ”, 2017IAUS...321...330W ADS
- Boettcher, E., Zweibel, E. G., Gallagher, J. S., I., & Benjamin, R. A., “Testing a dynamical equilibrium model of the extraplanar diffuse ionized gas in NGC 891”, 2017yCat...18320118B ADS
- Basu, A., Mao, S. A., Kepley, A. A., et al., “Detection of an ~ 20 kpc coherent magnetic field in the outskirts of merging spirals: the Antennae galaxies”, 2017MNRAS.464.1003B ADS
- Bustard, C., Zweibel, E. G., & Cotter, C., “Cosmic Ray Acceleration by a Versatile Family of Galactic Wind Termination Shocks”, 2017ApJ...835...72B ADS
- Ruszkowski, M., Yang, H. Y. K., & Zweibel, E., “Global Simulations of Galactic Winds Including Cosmic-ray Streaming”, 2017ApJ...834...208R ADS
- Boettcher, E., Zweibel, E. G., Gallagher, J. S., I., & Benjamin, R. A., “Testing a Dynamical Equilibrium Model of the Extraplanar Diffuse Ionized Gas in NGC 891”, 2016ApJ...832...118B ADS
- Fabian, A. C., Walker, S. A., Russell, H. R., et al., “HST imaging of the dusty filaments and nucleus swirl in NGC4696 at the centre of the Centaurus Cluster”, 2016MNRAS.461...922F ADS
- Yoast-Hull, T. M., Gallagher, J. S., & Zweibel, E. G., “Equipartition and cosmic ray energy densities in central molecular zones of starbursts”, 2016MNRAS.457L...29Y ADS
- Bustard, C., Zweibel, E. G., & D’Onghia, E., “A Versatile Family of Galactic Wind Models”, 2016ApJ...819...29B ADS
- Williams, A., Lundgren, B., Mao, S. A., et al., “A search for magnetic fields around disk-like galaxies at $z \sim 0.5$ ”, 2015Fers.confE...12W ADS
- Yoast-Hull, T. M., Gallagher, J. S., & Zweibel, E. G., “Cosmic rays, γ -rays, and neutrinos in the starburst nuclei of Arp 220”, 2015MNRAS.453...222Y ADS
- Forest, C. B., Flanagan, K., Brookhart, M., et al., “The Wisconsin Plasma Astrophysics Laboratory”, 2015JPh...81e3401F ADS
- Yoast-Hull, T., Gallagher, J. S., & Zweibel, E., “Gamma-Ray and Cosmic Ray Escape in Intensely Star-Forming Systems”, 2015ICRC...34...926Y ADS
- Stone, J. M., Inutsuka, S.-I., & Zweibel, E. G., “Stability properties of phase transition layers in the diffuse ISM revisited”, 2015HiA...16...611S ADS
- Williams, A., Heald, G., Wilcots, E., & Zweibel, E., “3D Study Of Magnetic Fields In NGC 6946”, 2015IAUS...309...351W ADS
- Mao, S. A., Zweibel, E., Fletcher, A., Ott, J., & Tabatabaei, F., “Properties of the Magneto-ionic Medium in the Halo of M51 Revealed by Wide-band Polarimetry”, 2015ApJ...800...92M ADS
- Zweibel, E. G., “Ambipolar Diffusion”, 2015ASL...407...285Z ADS
- Lecoanet, D., Brown, B. P., Zweibel, E. G., et al., “Conduction in Low Mach Number Flows. I. Linear and Weakly Nonlinear Regimes”, 2014ApJ...797...94L ADS
- Daughton, W. S., Akcay, C., Bille, Z., et al., “Onset and Evolution of Magnetic Reconnection in Line-Tied Systems”, 2014AGUFMSH22A...04D ADS
- Yoast-Hull, T., Gallagher, J. S., & Zweibel, E. G., “Proton Calorimetry and Gamma-Rays in Arp 220”, 2014HEAD...1410703Y ADS
- Pueschel, M. J., Told, D., Terry, P. W., et al., “Magnetic Reconnection Turbulence in Strong Guide Fields: Basic Properties and Application to Coronal Heating”, 2014ApJS...213...30P ADS
- Desiati, P. & Zweibel, E. G., “The Transport of Cosmic Rays Across Magnetic Fieldlines”, 2014ApJ...791...51D ADS
- Yoast-Hull, T. M., Gallagher, J. S., I., & Zweibel, E. G., “The Cosmic-Ray Population of the Galactic Central Molecular Zone”, 2014ApJ...790...86Y ADS
- Zweibel, E.: 2014, Cosmic Ray Feedback, Kavli Institute for Theoretical Physics Program: Gravity’s Loyal Opposition: The Physics of Star Formation Feedback. (April 14 - July 3, 2014). Online at https://online.kitp.ucsb.edu/online/stars14 2014glop.progE...14Z ADS
- Ruszkowski, M., Yang, H. Y. K., & Zweibel, E., “Fermi bubble simulations: black hole feedback in the Milky Way”, 2014IAUS...303...390R ADS
- Yoast-Hull, T., Gallagher, J. S., & Zweibel, E., “The Galactic center: a model for cosmic ray interactions in starburst galaxies?”, 2014IAUS...303...153Y ADS
- Gallagher, J. S., Yoast-Hull, T. M., & Zweibel, E. G., “Lessons from comparisons between the nuclear region of the Milky Way and those in nearby spirals”, 2014IAUS...303...61G ADS
- Schwartz, S. J., Zweibel, E. G., & Goldman, M., “Microphysics in Astrophysical Plasmas”, in A. Balogh, A. Bykov, P. Cargill, R. Dendy, T. Dudok de Wit, and J. Raymond (Eds.), Microphysics of Cosmic Plasmas, 5 2014mpcp.book...5S ADS
- Yoast-Hull, T. M., Gallagher, J. S., I., Zweibel, E. G., & Everett, J. E., “Active Galactic Nuclei, Neutrinos, and Interacting Cosmic Rays in NGC 253 and NGC 1068”, 2014ApJ...780...137Y ADS
- Mao, S. A., Ott, J., & Zweibel, E. G., “Wide-band Jansky Very Large Array polarization observations of M51”, 2014AAS...22345308M ADS
- Yang, H.-Y. K., Ruszkowski, M., & Zweibel, E. G., “The Fermi bubbles: gamma-ray, microwave and polarization signatures of leptonic AGN jets”, 2014AAS...22334634Y ADS
- Boettcher, E., Zweibel, E. G., Yoast-Hull, T., & Gallagher, J. S., “Do Cosmic Rays Sample the Mean ISM Density of Starburst Galaxies?”, 2014AAS...22325208B ADS
- Yang, H. Y. K., Ruszkowski, M., & Zweibel, E., “The Fermi bubbles: gamma-ray, microwave and polarization signatures of leptonic AGN jets”, 2013MNRAS.436.2734Y ADS
- Boettcher, E., Zweibel, E. G., Yoast-Hull, T. M., & Gallagher, J. S., I., “Cosmic Ray Sampling of a Clumpy Interstellar Medium”, 2013ApJ...779...12B ADS
- Williams, A., Zweibel, E., Wilcots, E., Mao, S. A., & Lundgren, B.: 2013, Using Faraday rotation measure to study the formation of galactic-scale coherent magnetic fields, ATNF proposal id.C2886, Semester: October, 2013 2013atnf.prop.5780W ADS
- Schwartz, S. J., Zweibel, E. G., & Goldman, M., “Microphysics in Astrophysical Plasmas”, 2013SSRv...178...81S ADS
- Zweibel, E., “Astrophysics: Recipe for regularity”, 2013Natur.502...453Z ADS
- Vasil, G. M., Lecoanet, D., Brown, B. P., Wood, T. S., & Zweibel, E. G., “Energy Conservation and Gravity Waves in Sound-proof Treatments of Stellar Interiors. II. Lagrangian Constrained Analysis”, 2013ApJ...773...169V ADS
- Yoast-Hull, T. M., Everett, J. E., Gallagher, J. S., I., & Zweibel, E. G., “Erratum: “Winds, Clumps, and Interacting Cosmic Rays in M82” (2013, ApJ, 768, 53)”, 2013ApJ...771...73Y ADS
- Zweibel, E. G., “The microphysics and macrophysics of cosmic rays”, 2013PhP...20e5501Z ADS
- Yoast-Hull, T. M., Everett, J. E., Gallagher, J. S., I., & Zweibel, E. G., “Winds, Clumps, and Interacting Cosmic Rays in M82”, 2013ApJ...768...53Y ADS
- Yang, H.-Y. K., Ruszkowski, M., Zweibel, E. G., & Ricker, P. M., “The Fermi Bubbles: Possible Nearby Laboratory for AGN Jet Activity”, 2013HEAD...1330002Y ADS
- Wiener, J., Zweibel, E. G., & Oh, S. P., “Cosmic Ray Heating of the Warm Ionized Medium”, 2013ApJ...767...87W ADS
- Brown, B., Vasil, G. M., Lecoanet, D., & Zweibel, E. G., “Improved Sound-proof Treatments of Fluid Dynamics in Stellar Interiors”, 2013AAS...22115801B ADS
- Yoast-Hull, T., Gallagher, J. S., Zweibel, E. G., & Everett, J. E., “Is NGC 253 A Calorimeter?”, 2013AAS...22115705Y ADS
- Yang, H. Y. K., Ruszkowski, M., Ricker, P. M., Zweibel, E., & Lee, D., “The Fermi Bubbles: Supersonic Active Galactic Nucleus Jets with Anisotropic Cosmic-Ray Diffusion”, 2012ApJ...761...185Y ADS
- Everett, J., Zweibel, E., Benjamin, B., et al., “Cosmic Ray- and Thermal-Pressure Driven Winds: Does the Milky Way Host a Kpc-Scale Outflow?”, 2012EAS...56...73E ADS
- Brown, B. P., Vasil, G. M., & Zweibel, E. G., “Energy Conservation and Gravity Waves in Sound-proof Treatments of Stellar Interiors. Part I. Anelastic Approximations”, 2012ApJ...756...109B ADS
- Yoast-Hull, T., Everett, J., Gallagher, J. S., & Zweibel, E., “Cosmic ray production and emission in M82”, 2012IAUS...284...397Y ADS
- Padoan, P., Zweibel, E., & Nordlund, Å., “Erratum: “Ambipolar Drift Heating in Turbulent Molecular Clouds” (2000, ApJ, 540, 332)”, 2012ApJ...755...182P ADS
- Imada, S. & Zweibel, E. G., “Self-organization of Reconnecting Plasmas to Magnetic Islands: Dimensionality in the Solar Corona”, 2012ApJ...755...93I ADS
- Yoast-Hull, T., Everett, J., Gallagher, J. S., I., & Zweibel, E., “Cosmic Rays in M82: Testing the Calorimeter Model”, 2012AAS...22043403Y ADS

- Brown, B., Vasil, G. M., Lecoanet, D., & Zweibel, E. G., “Energy Conservation And Gravity Waves In Stellar Interior Simulations That Employ Sound-proof Treatments”, 2012AAS...22032802B ADS
- Brown, B., Nornberg, M. D., Forest, C. B., et al., “The Madison Plasma Dynamo Experiment: a Laboratory for Astrophysics”, 2012AAS...22021102B ADS
- Mao, S. A., McClure-Griffiths, N., Dawson, J., Zweibel, E., & Hill, A.: 2012, *The Magnetic Field of the Supergiant Shell LMC 5 in the Large Magellanic Cloud*, ATNF proposal id.C2648, Semester: April, 2012 2012atnf.prop.4662M ADS
- Murphy, N. A., Raymond, J. C., & Zweibel, E. G., “Modeling magnetic reconnection in partially ionized chromospheric plasmas”, 2012decs.confE...65M ADS
- Savin, D. W., Brickhouse, N. S., Cowan, J. J., et al., “The impact of recent advances in laboratory astrophysics on our understanding of the cosmos”, 2012RPPH...75c6901S ADS
- Zweibel, E., “The Plasma Physics of Cosmic Rays”, 2012APS...APR.A1002Z ADS
- Imada, S., Hara, H., Watanabe, T., et al., “One-dimensional Modeling for Temperature-dependent Upflow in the Dimming Region Observed by *Hinode*/EUV Imaging Spectrometer”, 2011ApJ...743...57I ADS
- Zweibel, E., “The Origin and Evolution of Cosmic Magnetic Fields”, 2011APS...DPPJ10001Z ADS
- Malyshkin, L. M. & Zweibel, E. G., “Onset of Fast Magnetic Reconnection in Partially Ionized Gases”, 2011ApJ...739...72M ADS
- Everett, J. E. & Zweibel, E. G., “The Interaction of Cosmic Rays with Diffuse Clouds”, 2011ApJ...739...60E ADS
- Zweibel, E. G., “Magnetic Fields in Galaxies”, 2011IAUS...271...135Z ADS
- Kepley, A. A., Zweibel, E. G., Wilcots, E. M., Johnson, K. E., & Robishaw, T., “The Magnetic Field of the Irregular Galaxy NGC 4214”, 2011ApJ...736...139K ADS
- Nornberg, M. D., Forest, C. B., Brown, B. P., et al., “Laboratory Dynamo Experiments”, 2011nlaw.confC...47N ADS
- Yoast-Hull, T., Everett, J., Gallagher, J. S., I., & Zweibel, E., “The Physics of the Calorimeter Model in M82”, 2011AAS...21724504Y ADS
- Hu, K., Everett, J. E., & Zweibel, E. G., “Gamma-ray Constraints on Cosmic Rays in Galactic Winds”, 2011AAS...21724119H ADS
- Brown, B., Forest, C., Nornberg, M., et al., “An Experimental Plasma Dynamo Program for Investigations of Fundamental Processes in Heliophysics”, 2011arXiv1101.0176B ADS
- Everett, J., Zweibel, E., & Hu, K., “The Dynamical Role of Cosmic Rays in Galactic Winds”, 2010ASPC...438...45E ADS
- Forest, C., Zweibel, E. G., Katz, N. K., et al., “A Plasma Dynamo Experiment For Studying Astrophysically Relevant Flow Driven MHD Instabilities”, 2010AGUFMNG51C...05F ADS
- Stone, J. M. & Zweibel, E. G., “Ambipolar Diffusion-mediated Thermal Fronts in the Neutral Interstellar Medium”, 2010ApJ...724...131S ADS
- Canning, R. E. A., Fabian, A. C., Johnstone, R. M., et al., “Star formation in the outer filaments of NGC 1275”, 2010MNRAS...405...115C ADS
- Huang, Y.-M., Bhattacharjee, A., & Zweibel, E. G., “Effects of line-tying on magnetohydrodynamic instabilities and current sheet formation”, 2010PhPl...17e5707H ADS
- Mao, S. A., Gaensler, B. M., Haverkorn, M., et al., “A Survey of Extragalactic Faraday Rotation at High Galactic Latitude: The Vertical Magnetic Field of the Milky Way Toward the Galactic Poles”, 2010ApJ...714.1170M ADS
- Lecoanet, D., Zweibel, E. G., Townsend, R. H. D., & Huang, Y.-M., “Violation of Richardson’s Criterion Via Introduction of a Magnetic Field”, 2010ApJ...712.1116L ADS
- Kepley, A. A., Mühle, S., Everett, J., et al., “The Role of the Magnetic Field in the Interstellar Medium of the Post-Starburst Dwarf Irregular Galaxy NGC 1569”, 2010ApJ...712...536K ADS
- Everett, J. E., Schiller, Q. G., & Zweibel, E. G., “Synchrotron Constraints on a Hybrid Cosmic-ray and Thermally Driven Galactic Wind”, 2010ApJ...711...13E ADS
- Zweibel, E. G. & Everett, J. E., “Environments for Magnetic Field Amplification by Cosmic Rays”, 2010ApJ...709.1412Z ADS
- Everett, J., Zweibel, E., Schiller, Q., & Hu, K., “Cosmic Rays Help Drive Galactic Winds”, 2010cosp...38.2608E ADS
- Gallagher, John S., I., Lee, M., Canning, R., et al., “Dusty Gas and New Stars: Disruption of the High Velocity Intruder Galaxy Falling Towards NGC 1275”, 2010AAS...21536308G ADS
- Zweibel, E. G. & Yamada, M., “Magnetic Reconnection in Astrophysical and Laboratory Plasmas”, 2009ARA&A...47...291Z ADS
- Gallagher, John S., I., Smith, L. J., Trancho, G., Westmoquette, M., & Zweibel, E.: 2009, *Spectroscopic Study of Young Star Clusters in the Outskirts of NGC 1275 (Perseus A)*, NOAO Proposal ID 2009B-0372 2009noao.prop...372G ADS
- Huang, Y.-M., Bhattacharjee, A., & Zweibel, E. G., “Do Potential Fields Develop Current Sheets Under Simple Compression or Expansion?”, 2009ApJ...699L.144H ADS
- Stone, J. M. & Zweibel, E. G., “MHD Stability of Interstellar Medium Phase Transition Layers. I. Magnetic Field Orthogonal to Front”, 2009ApJ...696...233S ADS
- Everett, J., Schiller, Q., & Zweibel, E., “A Cosmic-Ray and Thermally Driven Kiloparsec-scale Outflow from the Milky Way”, 2009APS...APR.B8007E ADS
- Kepley, A., Wilcots, E., Zweibel, E., et al., “Magnetic fields in irregular galaxies”, 2009IAUS...259...555K ADS
- Zweibel, E., Goodman, J., Ji, H., & Lazarian, A., “Plasma Astrophysics Problems in Star and Planet Formation”, 2009astro2010S.334Z ADS
- Splanger, S., Haverkorn, M., Intrator, T., et al., “Plasma Physics Processes of the Interstellar Medium”, 2009astro2010S.282S ADS
- Li, H., Arons, J., Bellan, P., et al., “The Need for Plasma Astrophysics in Understanding Life Cycles of Active Galaxies”, 2009astro2010S.182L ADS
- Hawley, J., Krolik, J., Beloborodov, A., et al., “Engineering Einstein: Astrophysical Black Holes”, 2009astro2010S.116H ADS
- Kepley, A. A., Muehle, S., Everett, J., et al., “The Role of Magnetic Fields in the Interstellar Medium of Irregular Galaxies”, 2009AAS...21344305K ADS
- Yamada, M., Kulsrud, R., Ji, H., Uzdensky, D., & Zweibel, E., “Scaling of magnetic reconnection processes from MRX to astrophysical plasmas”, 2008APS...DPPGP6020Y ADS
- Huang, Y.-M. & Zweibel, E. G., “Effects of Line-tying on Resistive Tearing Instability in Slab Geometry”, 2008APS...DPPCP6074H ADS
- Zweibel, E. G. & Heitsch, F., “Fast Dynamos in Weakly Ionized Gases”, 2008ApJ...684...373Z ADS
- Fabian, A. C., Johnstone, R. M., Sanders, J. S., et al., “Magnetic support of the optical emission line filaments in NGC 1275”, 2008Natur...454...968F ADS
- Palotti, M. L., Heitsch, F., Zweibel, E. G., & Huang, Y. M., “Evolution of Unmagnetized and Magnetized Shear Layers”, 2008ApJ...678...234P ADS
- Stone, J. M. & Zweibel, E. G., “MHD Stability of Phase Transition Layers in the Neutral ISM”, 2008AAS...212.0506S ADS
- Kulsrud, R. M. & Zweibel, E. G., “On the origin of cosmic magnetic fields”, 2008RPPH...71d6901K ADS
- Kepley, A., Mühle, S., Wilcots, E., Everett, J., & Zweibel, E., “The Magnetic Field Structure of NGC 1569”, 2008camf.confP...8K ADS
- Zweibel, E., “Turbulent Ambipolar Diffusion”, 2008camf.confE...11Z ADS
- Mao, S. A., Gaensler, B., McClure-Griffiths, N., et al., “The Galactic Halo Magnetic field”, 2008camf.confE...10M ADS
- Everett, J. E., Zweibel, E. G., Benjamin, R. A., et al., “The Milky Way’s Kiloparsec-Scale Wind: A Hybrid Cosmic-Ray and Thermally Driven Outflow”, 2008ApJ...674...258E ADS
- Kepley, A. A., Mühle, S., Wilcots, E. M., et al., “Magnetic Fields in Irregular Galaxies”, 2008ASSP...5...73K ADS
- Kepley, A. A., Muehle, S., Robishaw, T., et al., “Magnetic Fields in Irregular Galaxies”, 2007AAS...21111305K ADS
- Zweibel, E., “Angular momentum transport at early times”, 2007APS...DPPJM4001Z ADS
- Everett, J. E., Zweibel, E. G., Benjamin, R. A., et al., “Does the Milky Way launch a large-scale wind?”, 2007Ap&SS.311...105E ADS
- Bethell, T. J., Zweibel, E. G., & Li, P. S., “Photoionization Rates in Clumpy Molecular Clouds”, 2007ApJ...667...275B ADS
- Zweibel, E., “Cosmic Ray and Magnetic Field Histories of Galaxies”, 2007sftn.confE...41Z ADS
- Povich, M. S., Stone, J. M., Churchwell, E., et al., “A Multiwavelength Study of M17: The Spectral Energy Distribution and PAH Emission Morphology of a Massive Star Formation Region”, 2007ApJ...660...346P ADS
- Zweibel, E., “Ambipolar Diffusion in a Turbulent Medium”, 2007AAS...210.6501Z ADS
- Watson, C., Churchwell, E., Zweibel, E. G., & Crutcher, R. M., “The Bipolar Outflow toward G5.89-0.39”, 2007ApJ...657...318W ADS
- Kepley, A. A., Wilcots, E. M., Robishaw, T., Heiles, C., & Zweibel, E., “Magnetic Fields in Irregular Galaxies: NGC 4214”, 2006AAS...20916701K ADS
- Zweibel, E. G., Hole, K. T., & Mathieu, R. D., “Star-Disk Coupling by a Time-varying Magnetic Field”, 2006ApJ...649...879Z ADS
- Huang, Y.-M., Zweibel, E. G., & Sovinec, C. R., “ $m=1$ ideal internal kink modes in a line-tied screw pinch”, 2006PhPl...13i2102H ADS
- Krolik, J. H. & Zweibel, E. G., “The Weak-Field Limit of the Magnetorotational Instability”, 2006ApJ...644...651K ADS
- Zweibel, E. G., “Evolution of magnetic fields at high redshift”, 2006AN...327...505Z ADS
- Gaensler, B., McClure-Griffiths, N., Mao, A., et al.: 2006, *Unravelling The High-Latitude Magnetic Field of the Milky Way*, ATNF proposal id.C1528, Semester: April, 2006 2006atnf.prop...239G ADS

- Huang, Y.-M., Zweibel, E. G., & Sovinec, C. R., "Ideal $m=1$ internal kink mode in line-tied screw pinch", 2006APS..APR.D1037H ADS
- Bethell, T. J. & Zweibel, E. G., "The Ionisation Fraction in Clumpy Molecular Clouds", 2005AAS...20719506B ADS
- Zweibel, E. G., "Magnetic fields in galaxies", 2005fdca.conf..115Z ADS
- Zweibel, E. G., "Ambipolar Diffusion in a Turbulent Medium", 2004ASPC...323...97Z ADS
- Cigan, P., Gallagher, J., & Zweibel, E., "Slow Motions in the NGC 1275 (Perseus A) System of Giant Ionized Filaments", 2004AAS...20511004C ADS
- Zweibel, E., "Galactic magnetic fields", 2004APS..DPPQR1001Z ADS
- Bethell, T. J., Zweibel, E. G., Heitsch, F., & Mathis, J. S., "Dust Heating by the Interstellar Radiation Field in Models of Turbulent Molecular Clouds", 2004ApJ...610...801B ADS
- Heitsch, F., Zweibel, E. G., Slyz, A. D., & Devriendt, J. E. G., "Magnetic Flux Transport in the ISM Through Turbulent Ambipolar Diffusion", 2004Ap&SS.292...45H ADS
- Heyer, M. & Zweibel, E., "Turbulence in the Star-forming Interstellar Medium: Steps toward Constraining Theories with Observations", 2004Ap&SS.292...9H ADS
- Cumming, A., Arras, P., & Zweibel, E., "Magnetic Field Evolution in Neutron Star Crusts Due to the Hall Effect and Ohmic Decay", 2004ApJ...609...999C ADS
- Lebovitz, N. R. & Zweibel, E., "Magnetoelliptic Instabilities", 2004ApJ...609...301L ADS
- Watson, C., Zweibel, E. G., Heitsch, F., & Churchwell, E., "Kelvin-Helmholtz Instability in a Weakly Ionized Medium", 2004ApJ...608...274W ADS
- Bethell, T. J., Zweibel, E. G., Heitsch, F., & Mathis, J. S., "Dust Heating by the Interstellar Radiation Field in Models of Turbulent Molecular Clouds", 2004AAS...204.6101B ADS
- Heitsch, F., Zweibel, E. G., Slyz, A. D., & Devriendt, J. E. G., "Turbulent Ambipolar Diffusion: Numerical Studies in Two Dimensions", 2004ApJ...603...165H ADS
- Hernandez, A. K., Williams, J. P., & Zweibel, E. G., "A Comparison Between Observations and Simulations of Polarization in Star Forming Regions", 2003AAS...203.0705H ADS
- Heitsch, F. & Zweibel, E. G., "Suppression of Fast Reconnection by Magnetic Shear", 2003ApJ...590...291H ADS
- Zweibel, E. G., "Cosmic-Ray History and Its Implications for Galactic Magnetic Fields", 2003ApJ...587...625Z ADS
- Cumming, A. & Zweibel, E. G., "Magnetic Field Evolution in the Burning Layer of an Accreting Neutron Star", 2003HEAD...7.4201C ADS
- Zweibel, E. G., Heitsch, F., & Fan, Y., "Numerical Simulations of Magnetic Fields in Astrophysical Turbulence", in E. Falgarone and T. Passot (Eds.), Turbulence and Magnetic Fields in Astrophysics, Vol. 614, 101–126 2003LNP...614...101Z ADS
- Wong, D. S., Cordes, J. M., Chatterjee, S., et al., "Chandra Observations of the Guitar Nebula", 2003IAUS...214...135W ADS
- Heitsch, F. & Zweibel, E. G., "Fast Reconnection in a Two-Stage Process", 2003ApJ...583...229H ADS
- Watson, C., Churchwell, E. B., Zweibel, E., & Crutcher, R. M., "BIMA Observations of the Massive Bipolar Outflow from G5.89-0.39", 2002AAS...201.2014W ADS
- Zweibel, E., "How Fast is Magnetic Reconnection?", 2002kas...confE..64Z ADS
- Heitsch, F. & Zweibel, E. G., "Fast Reconnection in a Two-Stage Process", 2002AAS...200.7322H ADS
- Zweibel, E. G., "Ambipolar Drift in a Turbulent Medium", 2002ApJ...567...962Z ADS
- Zweibel, E. G., "Astronomy: Magnetic bubbles in space", 2002Natur.415...31Z ADS
- Shay, M. A., Rogers, B. N., Rudakov, L., & Zweibel, E., "The Effect of Dust Grains on Reconnection in Molecular Clouds", 2001AAS...199.5903S ADS
- Heitsch, F., Zweibel, E. G., Mac Low, M.-M., Li, P., & Norman, M. L., "Magnetic Field Diagnostics Based on Far-Infrared Polarimetry: Tests Using Numerical Simulations", 2001ApJ...561...800H ADS
- Cumming, A., Zweibel, E., & Bildsten, L., "Magnetic Screening in Accreting Neutron Stars", 2001ApJ...557...958C ADS
- Myers, P. C. & Zweibel, E. G., "Condensation of a Self-Gravitating Layer Due to Dissipation of Alfvénic Turbulence", 2001AAS...198.8705M ADS
- Walawender, J. M., Zweibel, E. G., & Heiles, C., "The Structure of the Galactic Magnetic Field as Revealed by Starlight Polarimetry", 2001AAS...198.4105W ADS
- Heitsch, F., Zweibel, E. G., Li, P. S., Mac Low, M. M., & Norman, M. L., "From Simulations to Observations: Polarization Maps of Star-Forming Regions", 2000AAS...197.0513H ADS
- Cumming, A., Zweibel, E. G., & Bildsten, L., "Magnetic Screening in Accreting Neutron Stars", 2000HEAD...5.2903C ADS
- Padoan, P., Zweibel, E., & Nordlund, Å., "Ambipolar Drift Heating in Turbulent Molecular Clouds", 2000ApJ...540...332P ADS
- Gnedin, N. Y., Ferrara, A., & Zweibel, E. G., "Generation of the Primordial Magnetic Fields during Cosmological Reionization", 2000ApJ...539...505G ADS
- Padoan, P., Zweibel, E., & Nordlund, Å., "Ambipolar Drift Heating in Turbulent Molecular Clouds", 2000ESASP.445...479P ADS
- Moffatt, K. & Zweibel, E., "Discussion on Dynamos and Magnetic Reconnection", 2000astu.confE..21M ADS
- , "Astrophysical Turbulence", 2000astu.confE...0 ADS
- Clemens, D. P., Bookbinder, J., Goodman, A., et al., "The Milky Way Magnetic Field Mapping Mission: M4", 2000AAS...196.2508C ADS
- Zweibel, E., "Astrophysical Turbulence", 2000kbls.confE..34Z ADS
- Zweibel, E.: 2000b, *The Origin of Magnetic Fields in Galaxies*, Presented at the KITP Program: Astrophysical Turbulence, Apr 11, 2000, Kavli Institute for Theoretical Physics, University of California, Santa Barbara, id.36 2000astu.progE..36Z ADS
- Zweibel, E.: 2000c, *Astrophysical Turbulence*, Presented at the KITP Program: Astrophysical Turbulence, Apr 10, 2000, Kavli Institute for Theoretical Physics, University of California, Santa Barbara, id.35 2000astu.progE..35Z ADS
- Ostriker, E. C. & Zweibel, E. G.: 2000, *Astrophysical Turbulence*, Presented at the KITP Program: Astrophysical Turbulence, Apr 11, 2000, Kavli Institute for Theoretical Physics, University of California, Santa Barbara, CA USA. Coordinators: Eve C. Ostriker, Ellen G. Zweibel. Published by Kavli Institute for Theoretical Physics, University of California, Santa Barbara, CA USA, 2000., id. 2000astu.progE...0 ADS
- Indebetouw, R. & Zweibel, E. G., "Fragmentation Instability of Molecular Clouds: Numerical Simulations", 2000ApJ...532...361I ADS
- Zweibel, E., "Magnetic Field Dissipation in the Interstellar Medium", 1999APS..DPP.GM101Z ADS
- Ubroi, C. & Zweibel, E. G., "Alfvén resonances and forced reconnection", 1999JPlPh...62...345U ADS
- Fan, Y., Zweibel, E. G., Linton, M. G., & Fisher, G. H., "The Rise of Kink-unstable Magnetic Flux Tubes and the Origin of δ -Configuration Sunspots", 1999ApJ...521...460F ADS
- Zweibel, E. G., "Magnetohydrodynamics problems in the interstellar medium", 1999PhPl...6.1725Z ADS
- Fan, Y., Zweibel, E. G., Linton, M. G., & Fisher, G. H., "The Emergence of Kink-Unstable Magnetic Flux Tubes and the Origin of delta -Configuration Sunspots", 1999AAS...194.5903F ADS
- Swisdak, M. & Zweibel, E., "The Effects of Large-Scale Convective Structures on Solar Eigenfrequencies", 1999AAS...194.2103S ADS
- Haber, D., Jain, R., & Zweibel, E. G., "Absorption/Emission of Solar p-Modes: Michelson Doppler Interferometer/SOHO Observations", 1999ApJ...515...832H ADS
- Swisdak, M. & Zweibel, E., "Effects of Large-Scale Convection on p-Mode Frequencies", 1999ApJ...512...442S ADS
- Zweibel, E., "Turbulence and Magnetic Reconnection in the Interstellar Medium", 1999intu.conf..232Z ADS
- Swisdak, M. & Zweibel, E. G., "The Effects of Convective Structures on P Mode Frequencies", 1998AAS...19310003S ADS
- Indebetouw, R. & Zweibel, E. G., "Gravitational Instability in a Cold Magnetized Molecular Cloud with Ambipolar Drift", 1998AAS...193.7104I ADS
- Zweibel, E. G., "Plasma Physics Problems of the Interstellar Medium", 1998APS..DPPR8TU03Z ADS
- Fan, Y., Zweibel, E. G., Linton, M. G., & Fisher, G. H., "The Rise of Kink-Unstable Magnetic Flux Tubes in the Solar Convection Zone", 1998ApJ...505L...59F ADS
- Zweibel, E. G., "Fragmentation Instability of Molecular Clouds", 1998ApJ...499...746Z ADS
- Zweibel, E. G., "Fast reconnection of weak magnetic fields", 1998PhPl...5...247Z ADS
- Fan, Y., Zweibel, E. G., & Lantz, S. R., "Two-dimensional Simulations of Buoyantly Rising, Interacting Magnetic Flux Tubes", 1998ApJ...493...480F ADS
- Swisdak, M. & Zweibel, E., "Effects of Convection on Solar p Modes", 1997ASSL...225...177S ADS
- Swisdak, M. & Zweibel, E., "Probing Convective Effects on P modes using the Adiabatic Switching Method", 1997AAS...191.7402S ADS
- Zweibel, E. G. & Brandenburg, A.: 1997, *Current Sheet Formation in the Interstellar Medium: Erratum*, Astrophysical Journal v.485, p. 920 1997ApJ...485...920Z ADS
- Lovelace, R. V. E. & Zweibel, E. G., "Warp Stability of Magnetically Supported Disks", 1997ApJ...485...285L ADS
- Fan, Y., Zweibel, E. G., & Lantz, S. R., "Two-dimensional Anelastic MHD Simulations of the Buoyant Rise of Magnetic Flux Tubes in the Solar Convection Zone", 1997SPD...28.1704F ADS

- Clemens, D., Jones, T. J., Goodman, A., et al., "M4: The Milky Way Magnetic Field Mapping Mission", 1997AAS...190.2401C ADS
- Zweibel, E. G. & Brandenburg, A., "Current Sheet Formation in the Interstellar Medium", 1997ApJ...478..563Z ADS
- Hindman, B. W., Jain, R., & Zweibel, E. G., "The Surface Amplitudes and Frequencies of p-Mode Oscillations in Active Regions", 1997ApJ...476..392H ADS
- Zweibel, E. G. & Heiles, C., "Magnetic fields in galaxies and beyond", 1997Natur.385..131Z ADS
- Zweibel, E. G. & Lovelace, R. V. E., "Stability of Magnetically Supported Disks", 1997ApJ...475..260Z ADS
- Zweibel, E. G. & Strauss, H. R., "The Effects of Ambipolar Drift on Reconnection and Dynamos", 1996APS..DPP..8S01Z ADS
- Zweibel, E. G., "Slow and steady spirals", 1996Natur.383..758Z ADS
- Jain, R., Hindman, B. W., & Zweibel, E. G., "The Influence of Magnetism on p-Mode Surface Amplitudes", 1996ApJ...464..476J ADS
- Swisdak, M. & Zweibel, E., "Effects of Convection on Solar P Modes", 1996AAS...188.6909S ADS
- Hill, F., Zweibel, E., & Haber, D., "Simulations of Magnetic Field Effects on Solar Oscillation Ring Diagrams", 1996AAS...188.6905H ADS
- Zweibel, E. G., "The Solar Wind. (Book Reviews: Interplanetary Magnetohydrodynamics.)", 1996Sci...272..495Z ADS
- Hindman, B. W., Zweibel, E. G., & Cally, P. S., "Driven Acoustic Oscillations within a Vertical Magnetic Field", 1996ApJ...459..760H ADS
- Zweibel, E., "Going with the flow?", 1996Natur.379...20Z ADS
- Zweibel, E. G., "Polarimetry and the Theory of the Galactic Magnetic Field", 1996ASPC...97..486Z ADS
- Brandenburg, A. & Zweibel, E. G., "Effects of Pressure and Resistivity on the Ambipolar Diffusion Singularity: Too Little, Too Late", 1995ApJ...448..734B ADS
- Miesch, M., Brandenburg, A., Zweibel, E., & Toomre, J., "Non-Local Transport in Turbulent MHD Convection", 1995ESASP.376b.253M ADS
- Tarbell, T. D., Title, A., Hoeksema, J. T., Scherrer, P., & Zweibel, E., "Sojimdi Studies of Active-Region Seismology and Evolution", 1995ESASP.376b..99T ADS
- Hindman, B. W., Zweibel, E. G., & Cally, P. S., "Driven Acoustic Oscillations Within a Vertical Magnetic Field", 1995ESASP.376b..77H ADS
- Zweibel, E. G. & Gough, D., "Is There a Seismic Signature of the Sun's Magnetic Field?", 1995ESASP.376b..73Z ADS
- Jain, R., Hindman, B. W., & Zweibel, E. G., "Changes in the Upper Turning Point due to Magnetism", 1995ESASP.376b..63J ADS
- Zweibel, E. G., "Astrophysical Discontinuities. (Book Reviews: Spontaneous Current Sheets in Magnetic Fields. With Applications to Stellar X-Rays.)", 1995Sci...267.1367Z ADS
- Zweibel, E. G., "Astrophysical Discontinuities. (Book Reviews: Spontaneous Current Sheets in Magnetic Fields. With Applications to Stellar X-Rays.)", 1995Sci...267.1367P ADS
- McKee, C. F. & Zweibel, E. G., "Alfvén Waves in Interstellar Gasdynamics", 1995ApJ...440..686M ADS
- Zweibel, E. G. & Rhoads, J. E., "Magnetic Merging in Colliding Flux Tubes", 1995ApJ...440..407Z ADS
- Zweibel, E. G. & McKee, C. F., "Equipartition of Energy for Turbulent Astrophysical Fluids: Accounting for the Unseen Energy in Molecular Clouds", 1995ApJ...439..779Z ADS
- Zweibel, E. G., "The Theory of the Galactic Magnetic Field", 1995ASPC...80..524Z ADS
- Hindman, B. W. & Zweibel, E. G., "The Effects of a Hot Outer Atmosphere on Acoustic-Gravity Waves", 1995ASPC...76..366H ADS
- Cally, P. S., Bogdan, T. J., & Zweibel, E. G., "Umbral Oscillations in Sunspots: Absorption of p-Modes and Active Region Heating by Mode Conversion", 1994ApJ...437..505C ADS
- Hindman, B. W. & Zweibel, E. G., "The Effects of a Hot Outer Atmosphere on Acoustic-Gravity Waves", 1994ApJ...436..929H ADS
- Miesch, M. S. & Zweibel, E. G., "Shock Propagation and the Generation of Magnetohydrodynamic Wave Fields in Inhomogeneous Molecular Clouds", 1994ApJ...432..622M ADS
- Begelman, M. C. & Zweibel, E. G., "Acoustic Instability Driven by Cosmic-Ray Streaming", 1994ApJ...431..689B ADS
- Brandenburg, A. & Zweibel, E. G., "The Formation of Sharp Structures by Ambipolar Diffusion", 1994ApJ...427L..91B ADS
- Zweibel, E. G., "Magnetic Fields and Star Formation", 1994ASIC..422...73Z ADS
- Zweibel, E., "The tangled web of magnetism", 1993Natur.362..591Z ADS
- Zweibel, E. G. & Proctor, M. R. E., "Dynamos with ambipolar diffusion.", 1993spd..conf..355Z ADS
- McKee, C. F., Zweibel, E. G., Goodman, A. A., & Heiles, C., "Magnetic Fields in Star-Forming Regions - Theory", 1993prpl.conf..327M ADS
- Heiles, C., Goodman, A. A., McKee, C. F., & Zweibel, E. G., "Magnetic Fields in Star-Forming Regions - Observations", 1993prpl.conf..279H ADS
- McKee, C. F. & Zweibel, E. G., "On the Virial Theorem for Turbulent Molecular Clouds", 1992ApJ...399..551M ADS
- Zweibel, E. G. & Bruhwiler, D. L., "The Effect of Line Tying on Parker's Instability", 1992ApJ...399..318Z ADS
- Bruhwiler, D. L. & Zweibel, E. G., "Energy spectrum of particles accelerated near a magnetic x line", 1992JGR...9710825B ADS
- Shulman, B. J. & Zweibel, E. G., "Magnetohydrodynamic Waves in Sharply and Smoothly Bounded Cylinders", 1992ApJ...389..428S ADS
- Cram, L. E., Carrant, C. J., Loughhead, R. E., & Zweibel, E., "Book Review: Plasma loops in the solar corona / Cambridge U Press, 1991", 1992Sci...255..857C ADS
- Zweibel, E., "The Loop Paradigm. (Book Reviews: Plasma Loops in the Solar Corona.)", 1992Sci...255..857B ADS
- Proctor, M. R. E. & Zweibel, E. G., "Dynamos with ambipolar diffusion drifts", 1992GApFD..64..145P ADS
- Ferriere, K. M. & Zweibel, E. G., "Magnetized Supernova Remnants with Cosmic Rays", 1991ApJ...383..602F ADS
- Zweibel, E., "Spinning a tangled web", 1991Natur.352..755Z ADS
- Loewenstein, M., Zweibel, E. G., & Begelman, M. C., "Cosmic-Ray Heating of Cooling Flows: A Critical Analysis", 1991ApJ...377..392L ADS
- Zweibel, E. G., "Evolution to Nonequilibrium in Simple Models of Prominence Filaments", 1991ApJ...376..761Z ADS
- Ferriere, K. M., Mac Low, M.-M., & Zweibel, E. G., "Expansion of a Superbubble in a Uniform Magnetic Field", 1991ApJ...375..239F ADS
- Heiles, C., Goodman, A. A., McKee, C. F., & Zweibel, E. G., "Magnetic Fields in Dense Regions", 1991IAUS..147...43H ADS
- Zweibel, E. G. & de La Beaujardiere, J.-F., "Electron acceleration by magnetosonic waves in solar flares", 1990GeoRL..17.2051Z ADS
- Zweibel, E. G., "Magnetic Field Line Tangling and Polarization Measurements in Clumpy Molecular Gas", 1990ApJ...362..545Z ADS
- de La Beaujardiere, J. F. & Zweibel, E. G., "Test-Particle Simulations of Electron Acceleration by Magnetosonic Waves", 1990BAAS...22.1226D ADS
- Zweibel, E. G., "Virial Theorem Analysis of the Structure and Stability of Magnetized Clouds", 1990NASC3084..252Z ADS
- Ferriere, K. M., Zweibel, E. G., & Mac Low, M.-M., "Evolution of a Superbubble Blastwave in a Magnetized Medium", 1990NASC3084..227F ADS
- Ferriere, K. M., Zweibel, E. G., & Mac Low, M. M., "Evolution of a supernova blastwave in a magnetized medium", 1990BAAS...22..750F ADS
- Zweibel, E. G., "Virial Theorem Analysis of the Structure and Stability of Magnetized Clouds", 1990ApJ...348..186Z ADS
- de La Beaujardiere, J. F. & Zweibel, E. G., "Electron Acceleration in a Solar Coronal Loop", 1989BAAS...21.1150D ADS
- Zweibel, E. G. & Daepfen, W., "Effects of Magnetic Fibrils on Solar Oscillation Frequencies: Mean Field Theory", 1989ApJ...343..994Z ADS
- Zweibel, E. G., "Magnetic Reconnection in Partially Ionized Gases", 1989ApJ...340..550Z ADS
- Zweibel, E. G. & Tzihong, C., "Stability of deformed coronal current tubes and energy storage in solar corona.", 1989BAPS...34.1288Z ADS
- Chiueh, T. & Zweibel, E. G., "Stability of Stressed Current Tubes and Energy Storage in the Solar Corona", 1989ApJ...338.1158C ADS
- de La Beaujardiere, J. F. & Zweibel, E. G., "Particle acceleration by magnetosonic waves in a coronal loop.", 1989sarf.confP.317D ADS
- de La Beaujardiere, J.-F. & Zweibel, E. G., "Magnetohydrodynamic Waves and Particle Acceleration in a Coronal Loop", 1989ApJ...336.1059D ADS
- Zweibel, E. G., Ferriere, K. M., & Shull, J. M., "Hydromagnetic wave heating of low density interstellar gas", 1988AIPC..174...70Z ADS
- de La Beaujardiere, J. F. & Zweibel, E. G., "Acceleration of Coronal Loop Electrons by Magnetosonic Waves", 1988BAAS...20..978D ADS
- Ferriere, K. M., Zweibel, E. G., & Shull, J. M., "Hydromagnetic Wave Heating of the Low-Density Interstellar Medium", 1988ApJ...332..984F ADS
- Zweibel, E. G., "The Growth of Magnetic Fields Prior to Galaxy Formation", 1988ApJ...329L...1Z ADS
- Zweibel, E. G., "Ambipolar Diffusion Drifts and Dynamos in Turbulent Gas", 1988ApJ...329..384Z ADS
- Li, H.-S. & Zweibel, E. G., "The Scattering of Alfvén Waves by Density Fluctuations", 1987ApJ...322..248L ADS
- Ferriere, K. M., Zweibel, E. G., & Shull, J. M., "Hydromagnetic Wave Heating of the Low Density Interstellar Medium", 1987BAAS...19.1057F ADS
- Chiueh, T. & Zweibel, E. G., "The Structure and Dissipation of Forced Current Sheets in the Solar Atmosphere", 1987ApJ...317..900C ADS
- de La Beaujardiere, J. F. & Zweibel, E. G., "Particle Acceleration by MHD Waves in Solar Flares", 1987BAAS...19..750D ADS
- Bogdan, T. J. & Zweibel, E. G., "Propagation of Compressive Waves through Fibril Magnetic Fields", 1987ApJ...312..444B ADS
- Zweibel, E. G. & Li, H.-S., "The Formation of Current Sheets in the Solar Atmosphere", 1987ApJ...312..423Z ADS
- Zweibel, E. G., "The Theory of the Galactic Magnetic Field", 1987ASSL..134..195Z ADS

- Hamilton, A. J. S. & Zweibel, E. G., “*Is Nonthermal Bremsstrahlung Important in Young Supernova Remnants?*”, 1986BAAS...18R1052H [ADS](#)
- Zweibel, E. G. & Bogdan, T. J., “*Effects of Fibril Magnetic Fields on Solar p-Modes. II. Calculation of Mode Frequency Shifts*”, 1986ApJ...308...401Z [ADS](#)
- Carroll, B. W., Zweibel, E. G., Hansen, C. J., et al., “*Oscillation Spectra of Neutron Stars with Strong Magnetic Fields*”, 1986ApJ...305...767C [ADS](#)
- Forman, M. A., Ramaty, R., & Zweibel, E. G., “*The acceleration and propagation of solar flare energetic particles.*”, 1986psun...2...249F [ADS](#)
- Zweibel, E. G. & Haber, D. A., “*Erratum - the Propagation of Energetic Ions in Magnetic Loops and Gamma-Ray Emission from Solar Flares*”, 1985ApJ...299...574Z [ADS](#)
- Bogdan, T. J. & Zweibel, E. G., “*Effect of a fibril magnetic field on solar p-modes*”, 1985ApJ...298...867B [ADS](#)
- Carroll, B. W., Zweibel, E. G., Hansen, C. J., et al., “*A Model of Electromagnetic Damping Mechanisms for Neutron Star Oscillations*”, 1985BAAS...17...855C [ADS](#)
- Zweibel, E. G. & Boozer, A. H., “*Evolution of twisted magnetic fields*”, 1985ApJ...295...642Z [ADS](#)
- Zweibel, E. G., “*Application of the MHD energy principle to magnetostatic atmospheres*”, 1985GApFD...32...317Z [ADS](#)
- Carroll, B. W., McDermott, P. N., Savedoff, M. P., et al., “*The effect of a vertical magnetic field on neutron star oscillations.*”, 1985ASNYN...2...27C [ADS](#)
- Carroll, B. W., McDermott, P. N., Savedoff, M. P., et al., “*Neutron Star Oscillations in the Presence of a Vertical Magnetic Field*”, 1984BAAS...16...943C [ADS](#)
- McDermott, P. N., Savedoff, M. P., van Horn, H. M., Zweibel, E. G., & Hansen, C. J., “*Electromagnetic damping of neutron star oscillations*”, 1984ApJ...281...746M [ADS](#)
- Morrow, C. A. & Zweibel, E. G., “*Effect of Magnetic Fields on Neutron Star Oscillations*”, 1984BAAS...16R.542M [ADS](#)
- Rosner, R., Chupp, E. L., Gloeckler, G., et al., “*Particle acceleration.*”, 1984NASRP1120...2R [ADS](#)
- Low, B. C., Hundhausen, A. J., & Zweibel, E. G., “*Nonlinear periodic solutions for the isothermal magnetostatic atmosphere*”, 1983PhF1...26.2731L [ADS](#)
- Zweibel, E. G. & Josafatsson, K., “*Hydromagnetic wave dissipation in molecular clouds*”, 1983ApJ...270...511Z [ADS](#)
- Zweibel, E. G. & Haber, D. A., “*The propagation of energetic ions in magnetic loops and gamma-ray emission from solar flares*”, 1983ApJ...264...648Z [ADS](#)
- Rosner, R., Zweibel, E., & Trimble, V., “*Plasma astrophysics at Santa Barbara*”, 1982Natur.299...579R [ADS](#)
- Forman, M. A., Ramaty, R., Zweibel, E. G., et al.: 1982, *The acceleration and propagation of solar flare energetic particles* 1982STIN...8329162F [ADS](#)
- Zweibel, E. G. & Shull, J. M., “*Confinement of cosmic rays in molecular clouds*”, 1982ApJ...259...859Z [ADS](#)
- Zweibel, E. G., “*A sufficient condition for the stability of atmospheres with magnetic fields*”, 1982ApJ...258L...53Z [ADS](#)
- Zweibel, E. G. & Hundhausen, A. J., “*Magnetostatic Atmospheres - a Family of Isothermal Solutions*”, 1982SoPh...76...261Z [ADS](#)
- Rohrer Hundhausen, J., Hundhausen, A. J., & Zweibel, E. G., “*Magnetostatic atmospheres in a spherical geometry and their application to the solar corona*”, 1981JGR...8611117R [ADS](#)
- Zweibel, E. G. & Shull, J. M.: 1981a, *Confinement of cosmic rays in molecular clouds*, In ESA Plasma Astrophys. p 371-373 (SEE N82-20030 10-88) 1981plap.rept...371Z [ADS](#)
- Zweibel, E. G. & Shull, J. M., “*Confinement of cosmic rays in molecular clouds*”, 1981ESASP.161...371Z [ADS](#)
- Zweibel, E. G., “*MHD instabilities of atmospheres with magnetic fields*”, 1981ApJ...249...731Z [ADS](#)
- Zweibel, E., “*Thermal Stability of a Corona Heated by Fast Mode Waves*”, 1980SoPh...66...305Z [ADS](#)
- Zweibel, E. G., “*Thermal Instability of the Solar Corona*”, 1979BAAS...11...697Z [ADS](#)
- Zweibel, E. G., “*Energetic particle trapping by Alfvén wave instabilities*”, 1979AIPC...56...319Z [ADS](#)
- Spruit, H. C. & Zweibel, E. G., “*Convective instability of thin flux tubes.*”, 1979SoPh...62...155 [ADS](#)
- Zweibel, E., “*Radial modes of oscillation of cool stellar disks.*”, 1978ApJ...222...110Z [ADS](#)
- Zweibel, E., “*The equilibrium of cool stellar disks.*”, 1978ApJ...222...103Z [ADS](#)
- Zweibel, E. G.: 1977a, “*The Equilibrium and Radial Oscillations of Cool Stellar Disks.*”, Ph.D. thesis, Princeton University, New Jersey 1977PhDT.....1Z [ADS](#)
- Zweibel, E. G.: 1977b, “*The equilibrium and radial oscillations of cool stellar disks*”, Ph.D. thesis, Princeton University, New Jersey 1977PhDT.....21Z [ADS](#)
- Smith, W. H. & Zweibel, E. G., “*Radiative processes affecting the abundance of interstellar OH.*”, 1976ApJ...207...758S [ADS](#)
- Zweibel, E. G. & Kulsrud, R. M., “*The stabilizing effects of cloud reacceleration; microturbulence, and rotation on Parker’s instability.*”, 1975ApJ...201...63Z [ADS](#)
- Kulsrud, R. & Zweibel, E.: 1975, *The trapping of cosmic rays around supernovae by plasma instabilities*, Final Report Princeton Univ., NJ. Plasma Physics Lab. 1975prnc.repts...K [ADS](#)
- Zweibel, E. G. & Kulsrud, R. M., “*On the Question of the Super-nova Origin of Cosmic Rays*”, 1975BAAS...7...553Z [ADS](#)
- Kulsrud, R. & Zweibel, E., “*The Trapping of Cosmic Rays Around Super-novae by Plasma Instabilities*”, 1975ICRC...2...465K [ADS](#)
- Spitzer, Lyman, J. & Zweibel, E. G., “*On the Theory of H2 Rotational Excitation*”, 1974ApJ...191L.127S [ADS](#)