

Refereed articles in 2016

- [1] T. Appourchaux, H. M. Antia, O. Benomar, T. L. Campante, G. R. Davies, R. Handberg, R. Howe, C. Régulo, K. Belkacem, G. Houdek, R. A. García, and W. J. Chaplin. Oscillation mode linewidths and heights of 23 main-sequence stars observed by Kepler (Corrigendum). *Astron. Astrophys.*, 595:C2, November 2016.
- [2] F. Auchère, C. Froment, K. Bocchialini, E. Buchlin, and J. Solomon. On the Fourier and Wavelet Analysis of Coronal Time Series. *Astrophys. J.*, 825:110, July 2016.
- [3] F. Auchère, C. Froment, K. Bocchialini, E. Buchlin, and J. Solomon. Thermal Non-equilibrium Revealed by Periodic Pulses of Random Amplitudes in Solar Coronal Loops. *Astrophys. J.*, 827:152, August 2016.
- [4] T. L. Campante, M. Schofield, J. S. Kuszlewicz, L. Bouma, W. J. Chaplin, D. Huber, J. Christensen-Dalsgaard, H. Kjeldsen, D. Bossini, T. S. H. North, T. Appourchaux, D. W. Latham, J. Pepper, G. R. Ricker, K. G. Stassun, R. Vanderspek, and J. N. Winn. The Asteroseismic Potential of TESS: Exoplanet-host Stars. *Astrophys. J.*, 830:138, October 2016.
- [5] S. Dacie, P. Démoulin, L. van Driel-Gesztelyi, D. M. Long, D. Baker, M. Janvier, S. L. Yardley, and D. Pérez-Suárez. Evolution of the magnetic field distribution of active regions. *Astron. Astrophys.*, 596:A69, December 2016.
- [6] C. Damiani, J.-C. Meunier, C. Moutou, M. Deleuil, N. Ysard, F. Baudin, and H. Deeg. Stellar classification of CoRoT targets. *Astron. Astrophys.*, 595:A95, November 2016.
- [7] P. Démoulin, M. Janvier, J. J. Masías-Meza, and S. Dasso. Quantitative model for the generic 3D shape of ICMEs at 1 AU. *Astron. Astrophys.*, 595:A19, October 2016.
- [8] P. Gaulme, J. F. Rowe, T. R. Bedding, O. Benomar, E. Corsaro, G. R. Davies, S. J. Hale, R. Howe, R. A. Garcia, D. Huber, A. Jiménez, S. Mathur, B. Mosser, T. Appourchaux, P. Boumier, J. Jackiewicz, J. Leibacher, F.-X. Schmider, H. B. Hammel, J. J. Lissauer, M. S. Marley, A. A. Simon, W. J. Chaplin, Y. Elsworth, J. A. Guzik, N. Murphy, and V. Silva Aguirre. A Distant Mirror: Solar Oscillations Observed on Neptune by the Kepler K2 Mission. *Astrophys. J. Lett.*, 833:L13, December 2016.
- [9] G. Giono, R. Ishikawa, N. Narukage, R. Kano, Y. Katsukawa, M. Kubo, S. Ishikawa, T. Bando, H. Hara, Y. Suematsu, A. Winebarger, K. Kobayashi, F. Auchère, and J. Trujillo Bueno. Polarization Calibration of the Chromospheric Lyman-Alpha SpectroPolarimeter for a 0.1 % Polarization Sensitivity in the VUV Range. Part I: Pre-flight Calibration. *Solar Phys.*, 291:3831–3867, December 2016.
- [10] J. A. Guzik, G. Houdek, W. J. Chaplin, B. Smalley, D. W. Kurtz, R. L. Gilliland, F. Mullally, J. F. Rowe, S. T. Bryson, M. D. Still, V. Antoci, T. Appourchaux, S. Basu, T. R. Bedding, O. Benomar, R. A.

- Garcia, D. Huber, H. Kjeldsen, D. W. Latham, T. S. Metcalfe, P. I. Pápics, T. R. White, C. Aerts, J. Ballot, T. S. Boyajian, M. Briquet, H. Bruntt, L. A. Buchhave, T. L. Campante, G. Catanzaro, J. Christensen-Dalsgaard, G. R. Davies, G. Doğan, D. Dragomir, A. P. Doyle, Y. Elsworth, A. Frasca, P. Gaulme, M. Gruberbauer, R. Handberg, S. Hekker, C. Karoff, H. Lehmann, P. Mathias, S. Mathur, A. Miglio, J. Molenda-Žakowicz, B. Mosser, S. J. Murphy, C. Régulo, V. Riipepi, D. Salabert, S. G. Sousa, D. Stello, and K. Uytterhoeven. Detection of Solar-like Oscillations, Observational Constraints, and Stellar Models for θ Cyg, the Brightest Star Observed By the Kepler Mission. *Astrophys. J.*, 831:17, November 2016.
- [11] L. K. Harra, C. J. Schrijver, M. Janvier, S. Toriumi, H. Hudson, S. Matthews, M. M. Woods, H. Hara, M. Guedel, A. Kowalski, R. Osten, K. Kusano, and T. Lueftinger. The Characteristics of Solar X-Class Flares and CMEs: A Paradigm for Stellar Superflares and Eruptions? *Solar Phys.*, 291:1761–1782, August 2016.
- [12] I. A. Ivanov, J. Dubau, and K. T. Kim. Nondipole effects in strong-field ionization. *Physical Review A: General Physics*, 94(3):033405, September 2016.
- [13] V. Joulin, E. Buchlin, J. Solomon, and C. Guennou. Energetic characterisation and statistics of solar coronal brightenings. *Astron. Astrophys.*, 591:A148, July 2016.
- [14] M. Kubo, Y. Katsukawa, Y. Suematsu, R. Kano, T. Bando, N. Narukage, R. Ishikawa, H. Hara, G. Giono, S. Tsuneta, S. Ishikawa, T. Shimizu, T. Sakao, A. Winebarger, K. Kobayashi, J. Cirtain, P. Champey, F. Auchère, J. Trujillo Bueno, A. Asensio Ramos, J. Štěpán, L. Belluzzi, R. Manso Sainz, B. De Pontieu, K. Ichimoto, M. Carlsson, R. Casini, and M. Goto. Discovery of Ubiquitous Fast-Propagating Intensity Disturbances by the Chromospheric Lyman Alpha Spectropolarimeter (CLASP). *Astrophys. J.*, 832:141, December 2016.
- [15] B. Lavraud, Y. Liu, K. Segura, J. He, G. Qin, M. Temmer, J.-C. Vial, M. Xiong, J. A. Davies, A. P. Rouillard, R. Pinto, F. Auchère, R. A. Harrison, C. Eyles, W. Gan, P. Lamy, L. Xia, J. P. Eastwood, L. Kong, J. Wang, R. F. Wimmer-Schweingruber, S. Zhang, Q. Zong, J. Soucek, J. An, L. Prech, A. Zhang, P. Rochus, V. Bothmer, M. Janvier, M. Maksimovic, C. P. Escoubet, E. K. J. Kilpua, J. Tappin, R. Vainio, S. Poedts, M. W. Dunlop, N. Savani, N. Gopalswamy, S. D. Bale, G. Li, T. Howard, C. DeForest, D. Webb, N. Lugaz, S. A. Fuselier, K. Dalmasse, J. Tallineau, D. Vranken, and J. G. Fernández. A small mission concept to the Sun-Earth Lagrangian L5 point for innovative solar, heliospheric and space weather science. *Journal of Atmospheric and Solar-Terrestrial Physics*, 146:171–185, August 2016.
- [16] J. J. Masías-Meza, S. Dasso, P. Démoulin, L. Rodriguez, and M. Janvier. Superposed epoch study of ICME sub-structures near Earth and their effects on Galactic cosmic rays. *Astron. Astrophys.*, 592:A118, August 2016.

- [17] E. R. Priest, D. W. Longcope, and M. Janvier. Evolution of Magnetic Helicity During Eruptive Flares and Coronal Mass Ejections. *Solar Phys.*, 291:2017–2036, August 2016.
- [18] L. Rodriguez, J. J. Masías-Meza, S. Dasso, P. Démoulin, A. N. Zhukov, A. M. Gulisano, M. Mierla, E. Kilpua, M. West, D. Lacatus, A. Paraschiv, and M. Janvier. Typical Profiles and Distributions of Plasma and Magnetic Field Parameters in Magnetic Clouds at 1 AU. *Solar Phys.*, 291:2145–2163, August 2016.
- [19] J.-C. Vial and M. Chane-Yook. Neutral Hydrogen and Its Emission Lines in the Solar Corona. *Solar Phys.*, 291:3549–3566, December 2016.
- [20] J.-C. Vial, G. Pelouze, P. Heinzel, L. Kleint, and U. Anzer. Observed IRIS Profiles of the h and k Doublet of Mg ii and Comparison with Profiles from Quiescent Prominence NLTE Models. *Solar Phys.*, 291:67–87, January 2016.