

**MAX PLANCK INSTITUTE**  
FOR SOLAR SYSTEM RESEARCH



**Max-Planck-Institut  
fuer Sonnensystemforschung**

*Max Planck Institute  
for Solar System Research*

**Referierte Publikationen 2023**  
*Refereed Publications 2023*

## Refereed Publications 2023

(bold: affiliated to MPS)

**Total: 237**

Aizawa, S., Harada, Y., André, N., Saito, Y., Barabash, S., Delcourt, D., Sauvaud, J.-A., Barthe, A., Fedorov, A., Penou, E., Yokota, S., Miyake, W., Persson, M., Nénon, Q., Rojo, M., Futaana, Y., Asamura, K., Shimoyama, M., Hadid, L. Z., Fontaine, D., Katra, B., **Fränz, M., Krupp, N.**, Matsuda, S., & Murakami, G. (2023). Direct evidence of substorm-related impulsive injections of electrons at Mercury. *Nature Communications*, 14, 4019. doi:[10.1038/s41467-023-39565-4](https://doi.org/10.1038/s41467-023-39565-4).

**Albert, K., Hirzberger, J., Castellanos Durán, J. S.,** Orozco Suárez, D., **Woch, J.,** Michalik, H., & **Solanki, S. K.** (2023). Accuracy Analysis of the On-board Data Reduction Pipeline for the Polarimetric and Helioseismic Imager on the Solar Orbiter Mission. *Solar Physics*, 298, 58. doi:[10.1007/s11207-023-02149-y](https://doi.org/10.1007/s11207-023-02149-y).

**Albert, K., Krivova, N. A., Hirzberger, J., Solanki, S. K.,** Moreno Vacas, A., Orozco Suárez, D., Albelo Jorge, N., Appourchaux, T., Alvarez-Herrero, A., Blanco Rodríguez, J., **Gandorfer, A., Gutierrez-Marques, P., Kahil, F., Kolleck, M.,** Volkmer, R., del Toro Iniesta, J. C., **Woch, J.,** Fiethe, B., Pérez-Grande, I., Sanchis Kilders, E., Balaguer Jiménez, M., Bellot Rubio, L. R., **Calchetti, D.,** Carmona, M., **Deutsch, W., Feller, A., Fernandez-Rico, G.,** Fernández-Medina, A., García Parejo, P., Gasent Blesa, J. L., **Gizon, L., Grauf, B., Heerlein, K., Korpi-Lagg, A.,** Lange, T., López Jiménez, A., Maue, T., **Meller, R., Müller, R.,** Nakai, E., Schmidt, W., **Schou, J., Sinjan, J., Staub, J.,** Strecker, H., Torralbo, I., & **Valori, G.** (2023). Intensity contrast of solar network and faculae close to the solar limb, observed from two vantage points. *Astronomy and Astrophysics*, 678, A163. doi:[10.1051/0004-6361/202346037](https://doi.org/10.1051/0004-6361/202346037).

**Anand, A.,** & Mezger, K. (2023). Early solar system chronology from short-lived chronometers. *Geochemistry*, 126004. doi:[10.1016/j.chemer.2023.126004](https://doi.org/10.1016/j.chemer.2023.126004).

**Anand, A.,** Singh, A. K., Mezger, K., & Pati, J. K. (2023). Chromium isotopes identify the extraterrestrial component in impactites from Dhala impact structure, India. *Meteoritics & Planetary Science*, 58, 722–736. doi:[10.1111/maps.13982](https://doi.org/10.1111/maps.13982).

Antolin, P., Dolliou, A., Auchère, F., **Chitta, L. P.,** Parenti, S., Berghmans, D., **Aznar Cuadrado, R.,** Barczynski, K., Gissot, S., Harra, L., Huang, Z., Janvier, M., Kraaikamp, E., Long, D. M., **Mandal, S., Peter, H.,** Rodriguez, L., **Schühle, U.,** Smith, P. J., **Solanki, S. K.,** Stegen, K., **Teriaca, L.,** Verbeeck, C., West, M. J., Zhukov, A. N., Appourchaux, T., Aulanier, G., Buchlin, E., Delmotte, F., Gilles, J. M., Haberreiter, M., Halain, J.-P., **Heerlein, K.,** Hochedez, J.-F., Gyo, M., Poedts, S., & Rochus, P. (2023). EUV fine structure and variability associated with coronal rain revealed by Solar Orbiter/EUI HRIEUV and SPICE. *Astronomy and Astrophysics*, 667, A112. doi:[10.1051/0004-6361/202346016](https://doi.org/10.1051/0004-6361/202346016).

Antonucci, E., Downs, C., Capuano, G. E., Spadaro, D., Susino, R., Telloni, D., Andretta, V., Da Deppo, V., **De Leo, Y.,** Fineschi, S., Frassetto, F., Landini, F., Naletto, G., Nicolini, G., Pancrazzi, M., Romoli, M., Stangalini, M., **Teriaca, L.,** & Uslenghi, M. (2023). Slow wind belt in the quiet solar corona. *Physics of Plasmas*, 30, 022905. doi:[10.1063/5.0132824](https://doi.org/10.1063/5.0132824).

Archer, G. J., Budde, G., Worsham, E. A., Stracke, A., Jackson, M. G., & **Kleine, T.** (2023). Origin of 182W Anomalies in Ocean Island Basalts. *Geochemistry, Geophysics, Geosystems*, 24, e2022GC010688. doi:[10.1029/2022GC010688](https://doi.org/10.1029/2022GC010688).

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