

Genesis Mission Bibliography Search

*Compiled by: Michael J. Calaway, Jacobs at NASA JSC
December 7, 2016*

The Genesis bibliography was compiled using various library searches engines with particular keywords:

Search Engines below used keyword search terms [“Genesis” and “solar wind”] and cross- referenced with Google Scholar:

- OCLC WorldCat (<https://www.worldcat.org/>)
- IEEE Digital Library (<http://ieeexplore.ieee.org/>)
- NASA STI NTRS (<https://www.sti.nasa.gov/>)
- LLNL Web Site Bib. List as of 2010 (http://genesis.llnl.gov/publications_IX.html)
- JSC Library Search Engine: <http://gz6wz4fl9g.cs.serialssolutions.com/>; Includes hits from:
 - Advanced Technologies Database with Aerospace
 - Aerospace Database
 - Aluminum industry Abstracts
 - ANTE: Abstracts in New Technology & Engineering
 - GeoRef
 - IOP science platform
 - Mechanical & Transportation Engineering Abstracts
 - Engineering Abstracts
 - SAO/NASA Astrophysics Data System Journals
 - Solid State & Superconductivity Abstracts
 - Springer technology research databases
 - Wiley
 - WorldCAT.org

WorldCat (<https://www.worldcat.org/>) search engine used for keyword search term [“Genesis Sample Return”] and cross- referenced with Google Scholar.

WorldCat (<https://www.worldcat.org/>) search engine used for keyword search term [“Genesis Mission” and “NASA”] and cross- referenced with Google Scholar.

Genesis Publication Bibliography as of November 2016

Alam, T. M., Friedmann, T. A., & Jurewicz, A. J. (2002). Solid State ¹³C MAS NMR Investigations of Amorphous Carbon Thin Films. In *Thin Films: Preparation, Characterization, Applications* (pp. 277-289). Springer US.

Alexander, N. K., Kazuhide, N., Fred, J. C., Bradley, S. M., Ian, D. H., Andrew, M. D., Gary, R. H., ... Edward, R. D. S. (2010). Oxygen Isotopic Composition of the Sun and Mean Oxygen Isotopic Composition of the Protosolar Silicate Dust: Evidence from Refractory Inclusions. *The Astrophysical Journal*, 713, 2, 1159-1166.

Allen, C., Allton, J., Lofgren, G., Righter, K., & Zolensky, M. (2011). Curating NASA's extraterrestrial samples—Past, present, and future. *Chemie Der Erde - Geochemistry - Interdisciplinary Journal for Chemical Problems of the Geosciences and Geoecology*, 71, 1, 1-20.

- Allton, J. H., Stansbery, E. K., Calaway, M. J., & Rodriguez, M. C. (2013). Genesis Ultrapure Water Megasonic Wafer Spin Cleaner. NASA Tech Brief. June Issue.
- Bajo, K. I., Olinger, C. T., Jurewicz, A. J., Burnett, D. S., Sakaguchi, I., Suzuki, T., ... & Yurimoto, H. (2015). Depth profiling analysis of solar wind helium collected in diamond-like carbon film from Genesis. *Geochemical Journal*, 49(5), 559-566.
- Baker, C., Laplante, J., & McNamara, K. M. (2000). Conductive low impurity diamond for solar wind collection. *Diamond & Related Materials*, 9, 12, 1951-1956.
- Barracough, B. L., Dors, E. E., Abeyta, R. A., Alexander, J. F., Ameduri, F. P., Baldonado, J. R., Bame, S. J., ... Wiens, R. C. (2003). The Plasma Ion and Electron Instruments for the Genesis Mission. *Space Science Reviews*, 105, 627-660.
- Baryshev, S. V., Zinovev, A. V., Tripa, C. E., Erck, R. A., & Veryovkin, I. V. (2012). White light interferometry for quantitative surface characterization in ion sputtering experiments. *Applied Surface Science*, 258, 18, 6963-6968.
- Baryshev, S. V., Zinovev, A. V., Tripa, C. E., Pellin, M. J., Peng, Q., Elam, J. W., & Veryovkin, I. V. (2012). High-resolution secondary ion mass spectrometry depth profiling of nanolayers. *Rapid Communications in Mass Spectrometry*, 26, 19, 2224-2230.
- Baryshev, S. V., Becker, N. G., Zinovev, A. V., Tripa, C. E., & Veryovkin, I. V. (2013). Dual-beam versus single-beam depth profiling: Same sample in same instrument. *Rapid Communications in Mass Spectrometry*, 27, 24, 2828-2832.
- Baryshev, S. V., Zinovev, A. V., Tripa, C. E., & Veryovkin, I. V. (2014). Combination of imaging mass spectrometry and electron microscopy for quasi nondestructive surface analysis. *Nuclear Inst. and Methods in Physics Research, B*, 332, 364-367.
- Beech, M., & Murray, I. (2005). VLF monitoring of the Genesis Sample Return Capsule re-entry. WGN, *Journal of the International Meteor Organization*, 33, 59-62.
- Bochsler, P. (1998). Structure of the Solar Wind and Compositional Variations. *Space Science Reviews*, 85, 291-302.
- Burnett, D. S. (2000). Bids requested for Genesis Mission analytical facilities. *Eos, Transactions American Geophysical Union*, 81, 21, 236.
- Burnett, D. S., Barracough, B. L., Bennett, R., Neugebauer, M., Oldham, L. P., Sasaki, C. N., Sevilla, D., ... Wiens, R. C. (2003). The Genesis Discovery Mission: Return of Solar Matter to Earth. *Space Science Reviews*, 105, 509-534.
- Burnett, D. S. (2006) Genesis discovery mission science results. *Proceedings of the International Astronomical Union*, 2, 14, 321-322.
- Burnett, D. S. (2007). Genesis discovery mission science results. *Highlights of Astronomy*, 14, 321-322.
- Burnett, D. S. (2011). Solar composition from the Genesis Discovery Mission. *Proceedings of the National Academy of Sciences*, 108(48), 19147-19151.
- Burnett, D. S., & Team, G. S. (2011). Solar composition from the Genesis Discovery Mission. *Proceedings of the National Academy of Sciences of the United States of America*, 108, 48, 19147-51.
- Burnett, D. S. (2012). Genesis Solar Composition: Past, Present, and Future. *Meteoritics and Planetary Science*, 47(S1), A89-A89.
- Burnett, D. S. (2013). The Genesis solar wind sample return mission: Past, present, and future. *Meteoritics & Planetary Science*, 48, 12, 2351-2370.

- Burnett, D. S., Jurewicz, A. J. G., Woolum, D. S., Wang, J., Paque, J. M., Nittler, L. R., McKeegan, K. D., ... Guan, Y. (2015). Ion Implants as Matrix-Appropriate Calibrators for Geochemical Ion Probe Analyses. *Geostandards and Geoanalytical Research*, 39, 3, 265-276.
- Calaway, M. J., Stansbery, E. K., & Keller, L. P. (2009). Genesis capturing the sun: Solar wind irradiation at Lagrange 1. *Nuclear Inst. and Methods in Physics Research*, B, 267, 7, 1101-1108.
- Calaway, M. J., Allen, C. C., & Allton, J. H. (2014). Organic Contamination Baseline Study in NASA Johnson Space Center Astromaterials Curation Laboratories. NASA Technical Publication. NASA/TP-2014-21793.
- Calaway, W. F., McCann, M. P., & Pellin, M. J. (1999). Impurity Characterization of Solar Wind Collectors for the Genesis Discovery Mission by Resonance Ionization Mass Spectrometry. *Materials Research Society Symposia Proceedings*, 551, 83-90.
- Cetina, C., Grabowski, K. S., Knies, D. L., & Demoranville, L. T. (2008). SIMS-AMS depth profiles for NASA Genesis samples: Preliminary measurements. *Applied Surface Science*, 255, 4, 1479-1481.
- Chakraborty, S., Ahmed, M., Jackson, T. L., & Thiemens, M. H. (2008). Experimental Test of Self-Shielding in Vacuum Ultraviolet Photodissociation of CO. *Science*, 321, 5894, 1328-1331.
- Cheatwood, F. M., Winchenbach, G. L., Hathaway, W., & Chapman, G. (2000). Dynamic stability testing of the Genesis sample return capsule. *38th AIAA Aerospace Sciences Meeting and Exhibit*, AIAA Paper No. 2000-1009.
- Cheatwood, F. M., Merski Jr, N. R., Riley, C. J., & Mitcheltree, R. A. (2001). Aerothermodynamic environment definition for the Genesis sample return capsule. *35th AIAA Thermophysics Conference*, AIAA 2001-2889.
- Choi, Y., Eng, P., Stubbs, J., Sutton, S. R., Schmeling, M., Veryovkin, I. V., & Burnett, D. (2016). Discrimination and quantification of Fe and Ni abundances in Genesis solar wind implanted collectors using X-ray standing wave fluorescence yield depth profiling with internal referencing. *Chemical Geology*, 441, 246-255.
- Clark, B. (2001). The Genesis mission: unifying science and engineering. *Acta Astronautica*, 48(5), 707-710.
- Clark, B., Faulconer, C., & Gamber, T. (2001). Formulation of Discovery-class mission concepts. In *Aerospace Conference, 2001*, IEEE Proceedings. (Vol. 1, pp. 1-15).
- Clark, B., Faulconer, C., & Gamber, T. (2006). Formulation of discovery-class mission concepts. *IEEE Aerospace and Electronic Systems Magazine*, 21, 4, 27-33.
- Crowther, S. A., & Gilmour, J. D. (2012). Measuring the elemental abundance and isotopic signature of solar wind xenon collected by the Genesis mission. *Journal of Analytical Atomic Spectrometry*, 27, 2, 256-269.
- Crowther, S. A., & Gilmour, J. D. (2013). The Genesis solar xenon composition and its relationship to planetary xenon signatures. *Geochimica Et Cosmochimica Acta*, 123, 17-34.
- Desai, P. N., & Cheatwood, F. M. (2001). Entry dispersion analysis for the genesis sample return capsule. *Journal of Spacecraft and Rockets*, 38(3), 345-350.
- Desai, P. N., & Lyons, D. T. (2008). Entry, descent, and landing operations analysis for the Genesis entry capsule. *Journal of Spacecraft and Rockets*, 45(1), 27-32.
- Desai, P. N., Qualls, G. D., & Schoenenberger, M. D. (2008). Reconstruction of the genesis entry. *Journal of Spacecraft and Rockets*, 45(1), 33-38.
- Dominguez, G. (2010). A heterogeneous chemical origin for the 16O-enriched and 16O-depleted reservoirs

- of the early solar system. *The Astrophysical Journal Letters*, 713(1), L59.
- Ebihara, M., Shinotsuka, K., Ozaki, H., & Oura, Y. (2002). Critical Evaluation of CI Chondrites as the Solar System Standard of Elemental Abundances. In *Origin of Elements in the Solar System* (pp. 289-300). Springer US.
- Füri, E., & Marty, B. (2015). Nitrogen isotope variations in the Solar System. *Nature Geoscience*, 8(7), 515-522.
- Geiss, J., Bühler, F., Cerutti, H., Eberhardt, P., Filleux, C., Meister, J., & Signer, P. (2004). The Apollo SWC Experiment: Results, Conclusions, Consequences. *Space Science Reviews*, 110, 3-4.
- Grabowski, K. S., Knies, D. L., & Cetina, C. (2007). Trace element AMS at NRL: Initial use of a modified SIMS ion source. *Nuclear Inst. and Methods in Physics Research, B*, 259, 1, 27-30.
- Grimberg, A., Baur, H., Bochsler, P., Bühler, F., Burnett, D. S., Hays, C. C., Heber, V. S., ... Wieler, R. (2006). Solar Wind Neon from Genesis: Implications for the Lunar Noble Gas Record. *Science*, 314, 5802, 1133-1135.
- Grimberg, A., Burnett, D. S., Bochsler, P., Baur, H., & Wieler, R. (2007). Composition of light solar wind noble gases in the bulk metallic glass flown on the Genesis mission. *Space Science Reviews*, 130(1-4), 293-300.
- Grimberg, A., Baur, H., Bühler, F., Bochsler, P., & Wieler, R. (2008). Solar wind helium, neon, and argon isotopic and elemental composition: Data from the metallic glass flown on NASA's Genesis mission. *Geochimica Et Cosmochimica Acta*, 72, 2, 626-645.
- Heber, V. S., Wiens, R. C., Reisenfeld, D. B., Allton, J. H., Baur, H., Burnett, D. S., ... & Wieler, R. (2007). The Genesis solar wind concentrator target: mass fractionation characterised by neon isotopes. In *The Composition of Matter* (pp. 309-316). Springer New York.
- Heber, V. S., Wieler, R., Baur, H., Olinger, C., Friedmann, T. A., & Burnett, D. S. (2009). Noble gas composition of the solar wind as collected by the Genesis mission. *Geochimica Et Cosmochimica Acta*, 73, 24, 7414-7432.
- Heber, V. S., Wiens, R. C., Jurewicz, A. J., Vogel, N., Reisenfeld, D. B., Baur, H., ... & Burnett, D. S. (2011). Isotopic and elemental fractionation of solar wind implanted in the Genesis concentrator target characterized and quantified by noble gases. *Meteoritics & Planetary Science*, 46(4), 493-512.
- Heber, V. S., Baur, H., Bochsler, P., McKeegan, K. D., Neugebauer, M., Reisenfeld, D. B., ... & Wiens, R. C. (2012). Isotopic mass fractionation of solar wind: Evidence from fast and slow solar wind collected by the Genesis mission. *The Astrophysical Journal*, 759(2), 121.
- Heber, V. S., McKeegan, K. D., Burnett, D. S., Duprat, J., Guan, Y., Jurewicz, A. J., ... & Smith, S. P. (2014). Accurate analysis of shallowly implanted solar wind ions by SIMS backside depth profiling. *Chemical Geology*, 390, 61-73.
- Homazava, N., Suter, T., Schmutz, P., Toggweiler, S., Grimberg, A., Krähenbühl, U., & Ulrich, A. (2009). Online hyphenation of potentiostat to a microflow-capillary FI-ICP-MS for simultaneous in situ electrochemical, time and element resolved characterization of local corrosion processes—an application for Zr-bulk metallic glass. *Journal of Analytical Atomic Spectrometry*, 24(9), 1161-1169.
- Hong, P., Carlisle, G., Smith, N. (2002) Look, ma, no HANS! [High Accuracy Navigation Systems]. *IEEE Aerospace Conference Proceedings*. 7, 3169 - 3187.
- Humayun, M., Jurewicz, A. J. G., Olinger, C., & Burnett, D. S. (2012). Evidence for Unfractionated Magnesium Isotopes in Genesis SOS Wafers. *Meteoritics and Planetary Science Supplement*, 75,

5353.

- Huss, G. R., Nagashima, K., Jurewicz, A. J., Burnett, D. S., & Olinger, C. T. (2012). The isotopic composition and fluence of solar-wind nitrogen in a genesis B/C array collector. *Meteoritics & Planetary Science*, 47(9), 1436-1448.
- Huss, G. R., Ott, U., & Koscheev, A. P. (2008). Noble gases in presolar diamonds III: Implications of ion implantation experiments with synthetic nanodiamonds. *Meteoritics & Planetary Science*, 43(11), 1811-1826.
- Jenniskens, P., Wercinski, P., Olejniczak, J., Allen, G., Desai, P. N., Raiche, G., ... & Russell, R. W. (2004). Preparing for Hyperseed MAC: an observing campaign to monitor the entry of the Genesis Sample Return Capsule. *Earth, Moon, and Planets*, 95(1-4), 339-360.
- Jenniskens, P., Wercinski, P. F., Olejniczak, J., Wright, M., Raiche, G., Kontinos, D., ... & Russell, R. W. (2006). Surface heating from remote sensing of the hypervelocity entry of the NASA GENESIS sample return capsule. In *44th AIAA Aerospace Sciences Meeting and Exhibit* (pp. 2006-381).
- Jurewicz, A. J. G., Burnett, D. S., Wiens, R. C., Friedmann, T. A., Hays, C. C., Hohlfelder, R. J., Nishiizumi, K., ... Wieler, R. (2003). The Genesis Solar-Wind Collector Materials. *Space Science Reviews*, 105, 535-560.
- Kallenbach, R., Bamert, K., & Hilchenbach, M. (2007). Isotopic Composition of the Solar Wind Inferred from In-Situ Spacecraft Measurements. *Space Science Reviews*, 130, 173-182.
- King, B. V., Pellin, M. J., & Burnett, D. S. (2008). Investigation of radiation enhanced diffusion of magnesium in substrates flown on the NASA genesis mission. *Applied Surface Science*, 255, 4, 1455-1457.
- Kitts, K., Choi, Y., Eng, P. J., Ghose, S. K., Sutton, S. R., & Rout, B. (2009). Application of grazing incidence X-ray fluorescence technique to discriminate and quantify implanted solar wind. *Journal of Applied Physics*, 105(6), 64905.
- Lauer Jr, H. V., Burkett, P. J., Rodriguez, M. C., Nakamura-Messenger, K., Clemett, S. J., Gonzales, C. P., ... & See, T. H. (2016). Laser Subdivision of the Genesis Concentrator Target Sample 60000. *NASA Tech Brief*. April Issue.
- Lo, M. W., Williams, B. G., Bollman, W. E., Han, D., Hahn, Y., Bell, J. L., ... & Barden, B. (2001). Genesis mission design. *Journal of the Astronautical Sciences*, 49(1), 169-184.
- Lyons, J. R., Bergin, E. A., Ciesla, F. J., Davis, A. M., Desch, S. J., Hashizume, K., & Lee, J.-E. (2009). Timescales for the evolution of oxygen isotope compositions in the solar nebula. *Geochimica Et Cosmochimica Acta*, 73, 17, 4998-5017.
- Madey, T. E., Johnson, R. E., & Orlando, T. M. (2002). Far-out surface science: radiation-induced surface processes in the solar system. *Surface Science*, 500, 838-858.
- Mao, P. H., Burnett, D. S., Coath, C. D., Jarzebinski, G., Kunihiro, T., & McKeegan, K. D. (2008). MegaSIMS: a SIMS/AMS hybrid for measurement of the Sun's oxygen isotopic composition. *Applied Surface Science*, 255(4), 1461-1464.
- Marti, K. (2007). Sampling the Sun. *Science*, 318, 5849, 401-402.
- Marti, K., & Bochsler, P. (2012). Solar wind and solar system matter after mission genesis. INTECH Open Access Publisher.
- Marty, B., Zimmermann, L., Burnard, P. G., Wieler, R., Heber, V. S., Burnett, D. L., Wiens, R. C., ... Bochsler, P. (2010). Nitrogen isotopes in the recent solar wind from the analysis of Genesis targets: Evidence for large scale isotope heterogeneity in the early solar system. *Geochimica Et*

- Cosmochimica Acta*, 74, 1, 340-355.
- Marty, B., Chaussidon, M., Wiens, R. C., Jurewicz, A. J. G., & Burnett, D. S. (2011). A 15N-Poor Isotopic Composition for the Solar System As Shown by Genesis Solar Wind Samples. *Science*, 332, 6037, 1533-1536.
- McComas, D. J., Barraclough, B. L., Moses, R. W., Wiens, R. C., Adamic, L., Burnett, D., & Neugebauer, M. (1998). Solar wind concentrator. *Measurement Techniques in Space Plasmas: Particles*, 195-200.
- McKeegan, K. D., Kallio, A. P. A., Heber, V. S., Jarzebinski, G., Mao, P. H., Coath, C. D., ... & Reisenfeld, D. B. (2011). The oxygen isotopic composition of the Sun inferred from captured solar wind. *Science*, 332(6037), 1528-1532.
- McNamara, K. (2010). Sample Return: What Happens to Samples on Earth? In *Earth and Space 2010: Engineering, Science, Construction, and Operations in Challenging Environments* (pp. 1437-1449). ASCE.
- McNeil, C.F., Gerald L. W., Wayne, H., & Gary, C. (2000). Dynamic Stability Testing of the Genesis Sample Return Capsule. Technical Report NASA NASA Langley Research Center.
- Meshik, A., Mabry, J., Hohenberg, C., Marrocchi, Y., Pravdivtseva, O., Burnett, D., Olinger, C., ... Jurewicz, A. J. G. (2007). Constraints on Neon and Argon Isotopic Fractionation in Solar Wind. *Science*, 318, 5849, 433-435.
- Meshik, A., Hohenberg, C., Burnett, D., & Pravdivtseva, O. (2012). Measuring the isotopic composition of solar wind noble gases. INTECH Open Access Publisher.
- Meshik, A., Hohenberg, C., Pravdivtseva, O., & Burnett, D. (2014). Heavy noble gases in solar wind delivered by Genesis mission. *Geochimica Et Cosmochimica Acta*, 127, 326-347.
- Minow, J., Altstatt, R., & Skipworth, W. C. (2007). Genesis Radiation Environment. In *Proceedings of the 45th AIAA Aerospace Sciences Meeting and Exhibit* (p. 1-9).
- Mortimer, J., Verchovsky, A. B., & Anand, M. (2016). Predominantly non-solar origin of nitrogen in lunar soils. *Geochimica Et Cosmochimica Acta*, 193, 36-53.
- Neugebauer, M., Steinberg, J. T., Tokar, R. L., Barraclough, B. L., Dors, E. E., Wiens, R. C., Gingerich, D. E., ... Whiteaker, D. B. (2003). Genesis on-board determination of the solar wind flow regime. *Space Science Reviews*, 105, 661-679.
- Neugebauer, M., & Giacalone, J. (2005). Multispacecraft observations of interplanetary shocks: Nonplanarity and energetic particles. *Journal of Geophysical Research: Space Physics*, 110, A12106.
- Neugebauer, M., Reisenfeld, D., & Richardson, I. G. (2016). Comparison of algorithms for determination of solar wind regimes. *Journal of Geophysical Research: Space Physics*, 121, 9, 8215-8227.
- Nordholt, J. E., Wiens, R. C., Abeyta, R. A., Baldonado, J. R., Burnett, D. S., Casey, P., Everett, D. T., ... Urdiales, C. (2003). The Genesis Solar Wind Concentrator. *Space Science Reviews*, 105, 561-599.
- Ozima, M., Suzuki, T. K., Yamada, A., & Podosek, F. A. (2012). Noble gas isotopic fractionation between solar wind and the Sun, and implications for Genesis solar wind oxygen measurements. *Meteoritics & Planetary Science*, 47(12), 2049-2055.
- Pepin, R. O., Schlutter, D. J., Becker, R. H., & Reisenfeld, D. B. (2012). Helium, neon, and argon composition of the solar wind as recorded in gold and other Genesis collector materials. *Geochimica Et Cosmochimica Acta*, 89, 62-80.
- Pilleri, P., Reisenfeld, D. B., Zurbuchen, T. H., Lepri, S. T., Shearer, P., Gilbert, J. A., ... & Wiens, R. C.

- (2015). Variations in Solar Wind Fractionation as Seen by ACE/SWICS and the Implications for Genesis Mission Results. *The Astrophysical Journal*, 812(1), 1.
- Rapp, D., Naderi F., Neugebauer M., Sevilla D., Sweetnam D., Burnett D., Wiens R., Smith N., Clark B., McComas D. (1996) The Suess-Urey mission (Return of solar matter to earth). *Acta Astronautica* 39, 229-238.
- Reisenfeld, D. B., Gosling, J. T., Forsyth, R. J., Riley, P., & St, C. O. C. (2003). Properties of high-latitude CME-driven disturbances during Ulysses second northern polar passage. *Geophysical Research Letters*, 30, 19.
- Reisenfeld, D. B., Steinberg, J. T., Barraclough, B. L., Dors, E. E., Wiens, R. C., Neugebauer, M., Reinard, A., ... Zurbuchen, T. (2003). Comparison of the Genesis Solar Wind Regime Algorithm Results with Solar Wind Composition Observed by ACE. *Aip Conference Proceedings*, 679, 632-635.
- Reisenfeld, D., Wiens, R. C., Barraclough, B. L., Steinberg, J. T., DeKoning, C., Zurbuchen, T., & Burnett, D. S. (2005). The Genesis mission: solar wind conditions, and implications for the FIP fractionation of the solar wind. In *Solar Wind 11/SOHO 16, Connecting Sun and Heliosphere* (Vol. 592, p. 187).
- Reisenfeld, D. B., Burnett, D. S., Becker, R. H., Grimberg, A. G., Heber, V. S., Hohenberg, C. M., Jurewicz, A. J. G., ... Zurbuchen, T. H. (2007). Elemental Abundances of the Bulk Solar Wind: Analyses from Genesis and ACE. *Space Science Reviews*, 130, 79-86.
- Reisenfeld, D. B., Wiens, R. C., Barraclough, B. L., Steinberg, J. T., Neugebauer, M., Raines, J., & Zurbuchen, T. H. (2013). Solar wind conditions and composition during the Genesis mission as measured by in situ spacecraft. *Space Science Reviews*, 175(1-4), 125-164.
- Russell, C. T. (2003). *The Genesis mission*. Dordrecht: Kluwer Academic.
- Salama, A., Ling, L., & McDonald, A. (2006). A Genesis Breakup and Burnup Analysis in Off Nominal Earth Return and Atmospheric Entry. *Advances in the Astronautical Sciences*, 123, 2155-2169.
- Schmeling, M., Burnett, D. S., Jurewicz, A. J. G., & Veryovkin, I. V. (2012). Steps toward accurate large-area analyses of Genesis solar wind samples: Evaluation of surface cleaning methods using total reflection X-ray fluorescence spectrometry. *Powder Diffraction*, 27, 2, 75-78.
- Sheldon, R. (2008). Space Sciences. In *Mass Spectrometry: Instrumentation, Interpretation, and Applications* (eds R. Ekman, J. Silberring, A. Westman-Brinkmalm and A. Kraj), John Wiley & Sons, Inc., p. 253-266.
- Smith, N. G., Williams, K. E., Wiens, R. C., & Rasbach, C. E. (2003). Genesis-the middle years. In *Aerospace Conference, 2003. Proceedings. 2003 IEEE* (Vol. 1, pp. 1-224). IEEE.
- Steinberg, J. T., Gosling, J. T., Skoug, R. M., & Wiens, R. C. (2005). Suprathermal electrons in high-speed streams from coronal holes: Counterstreaming on open field lines at 1 AU. *Journal of Geophysical Research: Space Physics*, 110(A6).
- Swift, W. R. & Suggs, R. M. (2005). Genesis Reentry Observations and Data Analysis. NASA Technical Memorandum, NASA/TM – 2005 – 214192.
- Tang, C. Y., & Wright, M. J. (2007). Analysis of the forebody aeroheating environment during genesis sample return capsule reentry. In *Proceedings of the 45th AIAA Aerospace Sciences Meeting and Exhibit* (pp. 2007-1207).
- Turcotte, S., & Wimmer-Schweingruber, R. F. (2002). Possible in situ tests of the evolution of elemental and isotopic abundances in the solar convection zone. *Journal of Geophysical Research: Space Physics*, 107(A12).
- Unknown Author (2005) Genesis Parachute Failure Investigation. *Journal of Failure Analysis and*

Prevention, 5(1): 5-7.

- Veryovkin, I. V., Calaway, W. F., Moore, J. F., Pellin, M. J., & Burnett, D. S. (2004). A new time-of-flight instrument for quantitative surface analysis. *Nuclear Inst. and Methods in Physics Research, B*, 219, 473-479.
- Veryovkin, I. V., Calaway, W. F., Tripa, C. E., Moore, J. F., Wucher, A., & Pellin, M. J. (2005). Laser post-ionization secondary neutral mass spectrometry for ultra-trace analysis of samples from space return missions. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, 241(1), 356-360.
- Veryovkin, I. V., Tripa, C. E., Zinovev, A. V., King, B. V., Pellin, M. J., & Burnett, D. S. (2011). RIMS analysis of Ca and Cr in Genesis solar wind collectors. *Surface and Interface Analysis*, 43, 467-469.
- Vogel, N., Heber, V. S., Baur, H., Burnett, D. S., & Wieler, R. (2011). Argon, krypton, and xenon in the bulk solar wind as collected by the Genesis mission. *Geochimica Et Cosmochimica Acta*, 75, 11, 3057-3071.
- Vogel, N., Bochsler, P., Bühler, F., Heber, V. S., Grimberg, A., Baur, H., Horstmann, M., ... Wieler, R. (2015). Similarities and differences between the solar wind light noble gas compositions determined on Apollo 15 SWC foils and on NASA Genesis targets. *Meteoritics & Planetary Science*, 50, 10, 1663-1683.
- Wawrzyniak, G. G., & Wahl, T. E. (2005). Human safety analysis for the Genesis Sample Return mission. *Advances in the Astronautical Sciences*, 120, 1905-1922.
- Wieler, R., Grimberg, A., & Heber, V. S. (2007). Consequences of the non-existence of the “SEP” component for noble gas geo-and cosmochemistry. *Chemical Geology*, 244, 382-390.
- Wieler, R. (2016) Do lunar and meteoritic archives record temporal variations in the composition of solar wind noble gases and nitrogen? A reassessment in the light of Genesis data. *Chemie Der Erde – Geochemistry*, 76(4):463-480.
- Wiens, R. C., Huss, G. R., & Burnett, D. S. (1999). The solar oxygen-isotopic composition: Predictions and implications for solar nebula processes. *Meteoritics & Planetary Science*, 34(1), 99-107.
- Wiens, R. C., Burnett, D. S., Neugebauer, M., Sasaki, C., Sevilla, D., Stansbery, E., Clark, B., ... Cyr, K. (2002). Genesis mission to return solar winds samples to Earth. *Eos, Transactions American Geophysical Union*, 83, 21, 229-234.
- Wiens, R. C., Neugebauer, M., Reisenfeld, D. B., Moses, R. W., Nordholt, J. E., & Burnett, D. S. (2003). Genesis Solar Wind Concentrator: Computer Simulations of Performance Under Solar Wind Conditions. *Space Science Reviews*, 105, 601-626.
- Wiens, R. C., Burnett, D. S., McNamara, K. M., & Stansbery, E. K. (2004). Genesis capsule yields solar wind samples. *Eos, Transactions American Geophysical Union*, 85, 47, 497-498.
- Wiens, R. C., Bochsler, P., Burnett, D. S., & Wimmer-Schweingruber, R. F. (2004). Solar and solar-wind isotopic compositions. *Earth and Planetary Science Letters*, 222, 3, 697-712.
- Wiens, R. C., Burnett, D. S., Hohenberg, C. M., Meshik, A., Heber, V., Grimberg, A., ... & Reisenfeld, D. B. (2007). Solar and solar-wind composition results from the genesis mission. *Space Science Reviews*, 130(1-4), 161-171.
- Wiens R.C. and the Genesis team (2009) The Genesis Solar-Wind Sample Return Mission. *Space Research Today* 176, 4-13.
- Wiens, R. C., Reisenfeld, D. B., Olinger, C., Wurz, P., Heber, V. S., & Burnett, D. S. (2013). The Genesis

Solar Wind Concentrator: Flight and Post-Flight Conditions and Modeling of Instrumental Fractionation. *Space Science Reviews*, 175, 93-124.

- Williams, K. E. (2003). Overcoming Genesis mission design challenges. *Acta Astronautica*, 52, 2, 281-287.
- Williams, K. E., Hong, P. E., Zietz, R. P., & Han, D. (2000). Maneuver design and calibration for the Genesis spacecraft. NTRS JPL Technical report (p. 1-8).
- Witkowski, A. (2010). Evaluation of long term space effects on textiles from the Genesis Drogue parachute. In Aerospace Conference, 2010 IEEE (pp. 1-8). IEEE.
- Wong, H., Kapila, V. (2003) Adaptive nonlinear control of spacecraft near sun-earth L2 lagrange point. *IEEE American Control Conference Proceedings*. 2, 1116-1121.
- Zimmermann, L., Burnard, P., Marty, B., & Gaboriaud, F. (2009). Laser Ablation (193 nm), Purification and Determination of Very Low Concentrations of Solar Wind Nitrogen Implanted in Targets from the GENESIS Spacecraft. *Geostandards and Geoanalytical Research*, 33, 2, 183-194.

Ph.D. Dissertations:

- Heber, V. S. (2002). *Ancient solar wind noble gases in lunar and meteorite archives and tests for modern solar wind collection with the GENESIS mission*. Ph.D. Dissertation, ETH. Zürich.
- Grimberg, A. (2007). *Solar wind noble gases in targets from the genesis mission*. Ph.D. Dissertation, ETH. Zürich.
- Mabry, J. C. (2009). *Solar wind helium, neon, and argon in genesis aluminum collectors*. Ph.D. Dissertation, Washington University, Saint Louis.
- Rieck, K. D. (2015). *Solar wind sodium and potassium abundance analysis in Genesis diamond-on-silicon and silicon bulk solar wind collectors, and how hydration affects the microtexture of olivine phase transformation at 18 GPa*. Ph.D. Dissertation, Arizona State University.

M.A. / M.S. Thesis:

- Jackson, B. K. (2005). *Genesis: the search for origins: the curation and contamination control of returned solar wind samples*, M.A. Thesis, Massachusetts Institute of Technology.

U.S. Government NASA Genesis Reports:

- Allen, C.C., Allton, J.H., (2006) Genesis Research Sample Investigator's Guidebook, NASA JSC – 62679; GN-34000-400-003.
- Allton, J. H.; Hittle, J. D.; Mickelson, E. T.; Stansbery, Eileen K. (2002) Cleaning Genesis Sample Return Canister for Flight: Lessons for Planetary Sample Return. NASA Technical Report, JSC-CN-35100 (Feb. 24, 2016).
- Allton, J.H., Stansbery, E.K., McNamara, K.M. (2004) Genesis Discovery Mission Recovery in Utah – Science Documentation Plan. NASA JSC – 62678; GN-34000-400-002.
- Allton, J.H., Stansbery, E.K., McNamara, K.M. (2004) Genesis Discovery Mission Sample Receipt Plan. NASA JSC – 62665, GN-34000-400-002.

- Bell, Julia L.; Lo, Martin W.; Wilson, Roby S. (2000) Genesis Trajectory Design. , JPL Technical report. (NASA NTRS)
- Hohenberg, Charles M. (2005) Genesis Noble Gas Measurements. NASA Contractor Technical Report, Contract NAG9-1006, Washington University, Saint Louis.
- Klein, John; Manning, Rob; Barry, Ed; Donaldson, Jim; Rivellini, Tom; Battel, Steven; Savino, Joe; Lee, Wayne; Dalton, Jerry; Underwood, Mark; Surampudi, Rao; Accord, Arden; Perkins, Dave; Barrow, Kirk; Wilson, Bob (2004) Genesis failure investigation report : JPL Failure Review Board, Avionics Sub-Team. JPL Publication, JPL Technical report, JPL-Publ-2005-2.
- Mickelson, E.T., Hittle, J.D., Stansbery, E.K., Allton, J.H. (2002) Cleaning Genesis Sample Return Canister for Flight – Lessons for Planetary Sample Return. NASA JSC –28272.
- NASA National Aeronautics and Space Administration. (1997) NASA Genesis Discovery Mission Feasibility Study, August 8, 1997. Solar System Exploration Division, Office of Space Science. (NASA Document; Not Published).
- NASA National Aeronautics and Space Administration. (2000) Genesis Mission Environmental Assessment. Solar System Exploration Division, Office of Space Science.
- Ryschkewitsch, M., chair, et al. (2005) Genesis Mishap Investigation Board Report, Volume I, NASA HQ, July 2005.
- Stansbery, E.K., Clark, B.C., Girard, T.J. (1997) Calculations of Hydrazine Thruster Contamination for the Genesis Solar Wind Collectors, Trade Study for the Genesis Discovery 5 Feasibility Study.
- Stansbery, E.K. (1998) Genesis Discovery Mission Contamination Control Plan – Verson 1.01, NASA JSC – 28727.
- Suess-Urey Mission Proposal (1995) Suess-Urey Discovery Mission: return of Solar Matter to Earth: Mission Overview.
- Williams, Kenneth E.; Hong, Philip E.; Zietz, Richard P.; Han, Don (2000) Maneuver Design and Calibration for the Genesis Spacecraft. JPL Technical report. (NASA NTRS)

UTTR Soil Reports:

- Brostoff, W., Lichvar, R., & Sprecher, S. (2001). Delineating playas in the arid southwest: a literature review. U.S. Army Engineer Research and Development, Center Cold Regions Research and Engineering, Hanover, NH. Technical Report ERDC-TR-01-4.
- Clark, D. L. (2011) Interim Geologic Map of Dugway Proving Ground and Adjacent Areas, Tooele County, Utah. *In Geological Society of America Abstracts with Programs*, Vol. 43(4), p. 84.
- Grady, J., Mehls, S. F., LeFree, B. J., Dawson, J. L., & Plume, D. E. (1984). An Archeological Overview and Management Plan for the Dugway Proving Ground. Final Report No. 2. National Park Service Contract CX-0001-2-0048. Stearns-Roger Services, Inc. Denver CO.
- Ives, R. L. (1951). Pleistocene valley sediments of the Dugway area, Utah. *Geological Society of America Bulletin*, 62(7), 781-798.
- NRCS (Natural Resources Conservation Service) (2000) Soil Survey of Tooele Area, Utah, Tooele County and Parts of Box Elder, Davis, and Juab Counties, Utah, and Parts of White Pine and Elko Counties, Nevada. U.S. Dept. of Agriculture.

Oviatt, C. G., & Nash, B. P. (2014) The Pony Express Basaltic Ash: A stratigraphic Marker in Lake Bonneville Sediments, Utah. Utah Geological Survey Miscellaneous Publication 14-1.

Genesis Lab Biological Tests:

Moissl, C., Bruckner, J. C., & Venkateswaran, K. (2007). Archaeal diversity analysis of spacecraft assembly clean rooms. *The ISME journal*, 2(1), 115-119.

Moissl, C., S. Osman, M.T. La Duc, A. Dekas, E. Brodie, T. DeSantis, and K. Venkateswaran (2007). Molecular Bacterial Community Analysis of Clean Rooms Where Spacecraft are Assembled, *FEMS Microbiology Ecology*, 61, 509 – 521.

Moissl-Eichinger, C. (2011). Archaea in Artificial Environments: Their Presence in Global Spacecraft Clean Rooms and Impact on Planetary Protection, *The ISME Journal*, 5, 209 – 219.

Venkateswaran, K., Chung, S., Allton, J. & Kern R. (2004). Evaluation of Various Cleaning Methods to Remove Bacillus Spores from Spacecraft Hardware Materials, *Astrobiology* 4(3), 377 – 390.

Genesis Mission in the NEWS

Evans, B. (2001). Genesis goes in search of our origins. *Spaceflight*.

Harwood, W. (2001). Genesis of the Solar System. NASA has launched a probe to return a piece of the solar wind. *Astronomy Now*, 15, 21-25.

Jones, N. (2004). NASA meets Hollywood: Catch a falling star. *Nature*, 429(6990), 340-342.

Muir, H. (2003). The sun catcher. *New Scientist*, 179(2407), 29-29.

People Behind the Science Podcast (2015). 273: Dr. Charles Hohenberg: Tales of Ion Detection: The Making of a Mass Spectrometry Mastermind. *People Behind the Science Podcast*, June 19, 2015, 2015-6.

Unknown Author (2004) CAPSULE CRASH NASA hopes to salvage solar wind samples from the crashed Genesis. *Chemical and Engineering News*, 82, 9.

Unknown Author (2004) Curators recover full set of solar-wind samples from Genesis. *Aviation Week and Space Technology*, 161, 13, 23.

Unknown Author (2004) NEWS OF THE WEEK - CAPSULE CRASH - NASA hopes to salvage solar wind samples from the crashed Genesis. *Chemical and Engineering News : "news Edition" of the American Chemical Society*, 82, 37, 9.

Unknown Author (2004) Science and technology - The Genesis mission - D'oh! *The economist*. 373(8398): 93.

Unknown Author (2004) World News Roundup - Curators recover full set of solar-wind samples from Genesis. *Aviation Week & Space Technology*, 161, 13, 23.

Unknown Author (2006) GENESIS MISSION Analyses of solar wind from crashed 2004 spacecraft begin to yield results. *Chemical and Engineering News*, 84, 1, 26-26.

Unknown Author (2006) SCIENCE & TECHNOLOGY - GENESIS MISSION - Analyses of solar wind from crashed 2004 spacecraft begin to yield results. *Chemical and Engineering News : "news Edition" of the American Chemical Society*, 84, 1, 26.

- Unknown Author (2006) Waiting for Genesis: The botched Genesis sample return mission may still provide some results. *Astronomy Now*, 20(1): 66.
- Wilson, E. (2006). Salvaging nasa's crashed genesis mission. *Chemical & Engineering News*, 84(1), 26-26.
- Zielinski, S. (2006). NASA's Genesis crash blamed on design flaw. *Eos, Transactions American Geophysical Union*, 87(26), 254-254.

Genesis Mission LPSC Abstracts as of November 2016

<http://www.lpi.usra.edu/publications/absearch/>

LPI LPSC Keyword Search term ["Genesis"] for each LPSC year

1997

Wiens, R. C., Burnett, D. S., & Huss, G. R. (1997). Solar Oxygen Isotope Predictions: Theme and Variations. *Lunar and Planetary Science Conference XXVIII*, Abstract # 1403.

1998

Burnett, D.S. (1998) The Genesis Mission. *Lunar and Planetary Science Conference XXIX*, (invited Talk, no abstract).

1999

Butterworth, A. L., Franchi, I. A., & Pillinger, C. T. (1999). Solar Wind Sample Return from Genesis: A Technique for the Extraction of Carbon Implanted into Silicon-on-Sapphire Wafers. *Lunar and Planetary Science Conference XXX*, Abstract # 1796.

2000

Butterworth, A. L., Franchi, I. A., & Pillinger, C. T. (2000). Solar wind sample return from genesis: towards the extraction and isotope ratio measurement of nanogram quantities of oxygen implanted into diamond. *Lunar and Planetary Science Conference XXXI*, Abstract #1704.

Jurewicz, A. J. G., Burnett, D. S., Wiens, R. C., & Woolum, D. (2000). Genesis Solar-Wind Sample Return Mission: The Materials. *Lunar and Planetary Science Conference XXXI*, Abstract #1783.

Jurewicz, A. J. G., Mih, D. T., Jones, S. M., & Connolly, H. (2000). X-Ray Imaging Applied to Problems in Planetary Materials. *Lunar and Planetary Science Conference XXXI*, Abstract #1836.

Meshik, A. P., Hohenberg, C. M., Burnett, D. S., & Woolum, D. S. (2000). Release of implanted noble gases from metallic glass vitreloy during pyrolysis. *Lunar and Planetary Science Conference XXXI*, Abstract #1900.

2001

Cyr, K. E. (2001). JSC Curation and Future Sample Return Missions. *Lunar and Planetary Science Conference XXXII*, Abstract #1420.

Stansbery, E. K., Cyr, K. E., Allton, J. H., Schwarz, C. M., Warren, J. L., Schwandt, C. S., & Hittle, J. D. (2001). Genesis Discovery Mission: Science canister processing at JSC. *Lunar and Planetary Science Conference XXXII*, Abstract #2084.

2002

Butterworth, A. L., Chater, R. J., & Franchi, I. A. (2002). Laser ablation of Diamond and Genesis concentrator target material. *Lunar and Planetary Science Conference XXXIII*, Abstract #1591.

Clayton, R. N. (2002). Photochemical self-shielding in the solar nebula. *Lunar and Planetary Science Conference XXXIII*, Abstract #1326.

Mickelson, E. T., Lindstrom, D. J., Allton, J. H., & Hittle, J. D. (2002). Cleaning and Cleanliness Verification Techniques for Mars Returned Sample Handling. *Lunar and Planetary Science Conference XXXIII*, Abstract #1305.

Wiens, R. C., Barraclough, B. L., Steinberg, J. E., Dors, E. E., Neugebauer, M., Burnett, D. S., ... & Bremmer, R. R. (2002). Solar-Wind Conditions During the Initial Phase of the Genesis Mission. *Lunar and Planetary Science Conference XXXIII*, Abstract #1367.

2003

Barraclough, B. L., Wiens, R. C., Steinberg, J. T., Dors, E. E., Neugebauer, M., Burnett, D. S., ... & Bremmer, R. R. (2003). The Genesis Solar Wind Collection Mission: Current Status. *Lunar and Planetary Science Conference XXXIV*, Abstract #1232.

Lowes, L., Lindstrom, M., Stockman, S., Scalice, D., & Klug, S. (2003). Reuniting the Solar System: Integrated Education and Public Outreach Projects for Solar System Exploration Missions and Programs. *Lunar and Planetary Science Conference XXXIV*, Abstract #1991.

2004

Allen, J. S., Tobola, K. W., & Stocco, K. (2004). Hands-on Activities for Exploring the Solar System in K-14 Formal Education and Informal Settings. *Lunar and Planetary Science Conference XXXV*, Abstract #1969.

Barraclough, B. L., Wiens, R. C., Steinberg, J. E., Reisenfeld, D. B., Neugebauer, M., Burnett, D. S., ... & Bremmer, R. R. (2004, March). The Genesis Mission Solar Wind Collection: Solar-Wind Statistics over the Period of Collection. *Lunar and Planetary Science Conference XXXV*, Abstract #1763.

Clayton, R. N. (2004). The origin of oxygen isotope variations in the early solar system. *Lunar and Planetary Science Conference XXXV*, Abstract #1682.

Franchi, I. A., Suhaimi, N., Chater, R. J., McPhail, D. S., van Calsteren, P., & Butterworth, A. L. (2004). Depth sensitive sampling of implanted species in Genesis Collectors using UV laser ablation and SIMS. *Lunar and Planetary Science Conference XXXV*, Abstract #1681.

Grimberg, A., Bühler, F., Bochsler, P., Baur, H., & Wieler, R. (2004). Artificial Implantation of Noble Gases on Genesis Targets. *Lunar and Planetary Science Conference XXXV*, Abstract #1754.

Lowes, L., Lindstrom, M. M., Stockman, S., Scalice, D., Allen, J., Tobola, K., ... & Harmon, A. (2004). Integrated Solar System Exploration Education and Public Outreach: Theme, Products and Activities. *Lunar and Planetary Science Conference XXXV*, Abstract #2027.

McKeegan, K. D., Coath, C. D., Mao, P. H., Jarzebinski, G., & Burnett, D. (2004). A high energy secondary ion mass spectrometer for the analysis of captured solar wind. *Lunar and Planetary Science Conference XXXV*, Abstract #2000.

McNamara, K. M., & Stansbery, E. K. (2004). Genesis Preliminary Examination Plans. *Lunar and Planetary Science Conference XXXV*, Abstract #1907.

McNamara, K. M., & Stansbery, E. K. (2004). Genesis Sample Material Subdividing Plans. *Lunar and Planetary Science Conference XXXV*, Abstract #1915.

Wiens, R. C., Burnett, D. S., McKeegan, K. D., Thiemen, M. H., Franchi, I. A., Bochsler, P., & Mao, P. (2004). Solar and solar-wind oxygen isotopes and the Genesis mission. *Lunar and Planetary Science Conference XXXV*, Abstract #1296.

2005

Allton, J. H., Stansbery, E. K., & McNamara, K. M. (2005). Size Distribution of Genesis Solar Wind Array Collector Fragments. *Lunar and Planetary Science Conference XXXVI*, Abstract #2083.

Allton, J. H., Stansbery, E. K., McNamara, K. M., Meshik, A., See, T. H., & Bastien, R. (2005). Initial subdivision of Genesis early science polished aluminum collector. *Lunar and Planetary Science Conference XXXVI*, Abstract #1806.

Burnett, D. S., McNamara, K. M., Jurewicz, A., & Woolum, D. (2005). Molecular contamination on anodized aluminum components of the Genesis science canister. *Lunar and Planetary Science Conference XXXVI*, Abstract #2405.

Grimberg, A., Bühler, F., Bochsler, P., Heber, V., Baur, H., & Wieler, R. (2005). Trapping and Release Data of Artificially Implanted Noble Gases into Metals--Tests for Genesis Targets. *Lunar and Planetary Science Conference XXXVI*, Abstract #1355.

Lauer, H. V., McNamara, K. M., Westphal, A., Butterworth, A. L., Burnett, D. S., Jurewicz, A., ... & Allton, J. H. (2005). Genesis: Removing Contamination from Sample Collectors. *Lunar and Planetary Science Conference XXXVI*, Abstract #2407.

Mao, P. H., Kunihiro, T., McKeegan, K. D., Coath, C. D., Jarzebinski, G., & Burnett, D. S. (2005). Preliminary Evaluation of the Secondary Ion/Accelerator Mass Spectrometer, MegaSIMS. *Lunar and Planetary Science Conference XXXVI*, Abstract #2259.

Marty, B., Burnard, P., Zimmermann, L., & Robert, P. (2005). Nitrogen-Noble Gas Static Mass Spectrometry of Genesis Collector Materials. *Lunar and Planetary Science Conference XXXVI*, Abstract #1686

McNamara, K. M. (2005). Genesis Field Recovery. *Lunar and Planetary Science Conference XXXVI*, Abstract #2403.

McNamara, K. M., & Stansbery, E. K. (2005). Analysis of Molecular Contamination on Genesis Collectors Through Spectroscopic Ellipsometry. *Lunar and Planetary Science Conference XXXVI*, Abstract #2402.

McNamara, K. M., Westphal, A., Butterworth, A. L., & Burnett, D. S. (2005). Genesis: Sorting Out the Pieces. *Lunar and Planetary Science Conference XXXVI*, Abstract #2406.

Nishiizumi, K., Allton, J. H., Burnett, D. S., Butterworth, A. L., Caffee, M. W., Clark, B., ... & Welten, K. C. (2005). Status of Genesis Mo-Pt Foils. *Lunar and Planetary Science Conference XXXVI*, Abstract #2266.

Reisenfeld, D. B., Wiens, R. C., Barraclough, B. L., Steinberg, J. E., Dekoning, C., Zurbuchen, T. H., & Burnett, D. S. (2005). The Genesis mission solar wind samples: Collection times, estimated fluences, and solar-wind conditions. *Lunar and Planetary Science Conference XXXVI*, Abstract #1278.

Stansbery, E. K. (2005). Genesis Recovery Processing. *Lunar and Planetary Science Conference XXXVI*, Abstract #2179.

Stansbery, E. K., & McNamara, K. M. (2005). Genesis Preliminary Examination: Ellipsometry Overview. *Lunar and Planetary Science Conference XXXVI*, Abstract #2145.

2006

Allton, J. H., Calaway, M. J., Hittle, J. D., Rodriguez, M. C., Stansbery, E. K., & McNamara, K. M. (2006). Cleaning surface particle contamination with ultrapure water (UPW) megasonic flow on Genesis array collectors. *Lunar and Planetary Science Conference XXXVII*, Abstract #2324.

Allton, J. H., Calaway, M. J., Rodriguez, M. C., Hittle, J. D., Wentworth, S. J., Stansbery, E. K., & McNamara, K. M. (2006). Genesis solar wind sample curation: A progress report. *Lunar and Planetary Science Conference XXXVII*, Abstract #1611.

Brennan, S., Ishii, H. A., Luening, K., Pianetta, P., & Burnett, D. S. (2006). Synchrotron Total-Reflection X-Ray Fluorescence (SR-TXRF) of Genesis Return Samples. *Lunar and Planetary Science Conference XXXVII*, Abstract #2029.

Burnard, P., Zimmermann, L., & Marty, B. (2006). Vacuum UV Laser Ablation of Genesis Target Materials: Results from Gold-on-Sapphire Analogs. *Lunar and Planetary Science Conference XXXVII*, Abstract #1695.

Burnett, D. S. (2006). Genesis Mission: Overview and Status. *Lunar and Planetary Science Conference XXXVII*, Abstract #1848.

Calaway, M. J., Stansbery, E. K., & McNamara, K. M. (2006). Modeling Ellipsometry Measurements of Molecular Thin-Film Contamination on Genesis Flown Array Samples. *Lunar and Planetary Science Conference XXXVII*, Abstract #1420.

Calaway, W. F., Veryovkin, I. V., Tripa, C. E., Savina, M. R., Pellin, M. J., & Burnett, D. S. (2006). The Elemental Abundance of Magnesium in Solar Wind Samples Returned by Genesis. *Lunar and Planetary Science Conference XXXVII*, Abstract #1814.

Grimberg, A., Bühler, F., Burnett, D. S., Jurewicz, A. J. G., Hays, C. C., Bochsler, P., ... & Wieler, R. (2006). Solar Wind Helium and Neon from Metallic Glass Flown on Genesis-Preliminary Bulk and Velocity-Dependent Data. *Lunar and Planetary Science Conference XXXVII*, Abstract #1782.

Heber, V. S., Wiens, R. C., Burnett, D. S., Baur, H., Wiechert, U., & Wieler, R. (2006). Solar Wind Neon in the Genesis Concentrator Gold Cross by UV Laser Ablation: First Preliminary Data. *Lunar and Planetary Science Conference XXXVII*, Abstract #2175.

Hittle, J. D., Calaway, M. J., Allton, J. H., Warren, J. L., Schwarz, C. M., & Stansbery, E. K. (2006). Genesis Spacecraft Science Canister Preliminary Inspection and Cleaning. *Lunar and Planetary Science Conference XXXVII*, Abstract #1411.

Hohenberg, C. M., Meshik, A. P., Marrocchi, Y., Mabry, J. C., Pravdivtseva, O. V., Allton, J. H., & Burnett, D. S. (2006). Light Noble Gases from Solar Wind Regimes Measured in Genesis Collectors from Different Arrays. *Lunar and Planetary Science Conference XXXVII*, Abstract #2439.

Huang, S., Humayun, M., King, S., Goddard, B., & Burnett, D. S. (2006). Step-Cleaning Experiment on the Genesis Wafers. *Lunar and Planetary Science Conference XXXVII*, Abstract #2440.

- Jurewicz, A. J. G., Burnett, D. S., Guan, Y. G., & Woolum, D. S. (2006). Elemental Solar Wind Fluences of Fe and Mg from Genesis Samples. *Lunar and Planetary Science Conference XXXVII*, Abstract #2106.
- Kitts, K., Sutton, S., Eng, P., Ghose, S., & Burnett, D. (2006). Discrimination and quantification of contamination and implanted solar wind in Genesis collector shards using grazing incidence synchrotron x-ray techniques: Initial results. *Lunar and Planetary Science Conference XXXVII*, Abstract #1451.
- Kuhlman, K. R., Jurewicz, A. J. G., Grimberg, A., Heber, V., & Sridharan, K. (2006). Progress Toward Low-Energy Genesis Simulants. *Lunar and Planetary Science Conference XXXVII*, Abstract #2443.
- Mao, P. H., Kunihiro, T., McKeegan, K. D., Coath, C. D., Jarzebinski, G., & Burnett, D. S. (2006). MegaSIMS update: Oxygen transmission, destruction of OH molecular ions, and stability of three-isotope measurements. *Lunar and Planetary Science Conference XXXVII*, Abstract #2153.
- Meshik, A. P., Marrocchi, Y., Hohenberg, C. M., Pravdivtseva, O. V., Mabry, J. C., Olinger, C., ... & Stansbery, E. K. (2006). Measurements of Light Noble Gases in the Genesis Polished Aluminum Collector. *Lunar and Planetary Science Conference XXXVII*, Abstract #2433.
- Nishiizumi, K., Reedy, R. C., Burnett, D. S., Komura, K., & Welten, K. C. (2006). Solar Cosmic Ray Production Rate on Genesis Quartz Target. *Lunar and Planetary Science Conference XXXVII*, Abstract #2420.
- Reisenfeld, D. B., Wiens, R. C., Barraclough, B. L., Steinberg, J. T., DeKoning, C., Raines, J., ... & Burnett, D. S. (2006). The Genesis mission: the effects of solar wind conditions on the deposition and interpretation of the Genesis samples. *Lunar and Planetary Science Conference XXXVII*, Abstract #1830.
- Sestak, S., Franchi, I., Verchovsky, A. B., Al-Kuzee, J., Braithwaite, N. S. J., & Burnett, D. S. (2006). Application of semiconductor industry cleaning technologies for Genesis sample collectors. *Lunar and Planetary Science Conference XXXVII*, Abstract #1878.
- Veryovkin, I. V., Calaway, W. F., Tripa, C. E., & Pellin, M. J. (2006). Advanced Analytical Instrument Facility for Analysis of Return Samples from NASA Space Exploration Missions. *Lunar and Planetary Science Conference XXXVII*, Abstract #1849.

2007

- Allton, J. H., Wentworth, S. J., Rodriguez, M. C., & Calaway, M. J. (2007). Cleaning Genesis solar wind collectors with ultrapure water: residual contaminant particle analysis. *Lunar and Planetary Science Conference XXXVIII*, Abstract #2138.
- Burnett, D. S., Woolum, D. S., Jurewicz, A. J. G., McKeegan, K. D., & Guan, Y. (2007). Solar Wind Elemental Abundances from GENESIS Collectors. *Lunar and Planetary Science Conference XXXVIII*, Abstract #1843.
- Calaway, M. J., Burnett, D. S., Rodriguez, M. C., Sestak, S., Allton, J. H., & Stansbery, E. K. (2007). Decontamination of Genesis array materials by UV ozone cleaning. *Lunar and Planetary Science Conference XXXVIII*, Abstract #1627.

- Calaway, M. J., Rodriquez, M. C., & Stansbery, E. K. (2007). Genesis silicon carbide concentrator target 60003 preliminary ellipsometry mapping results. *Lunar and Planetary Science Conference XXXVIII*, Abstract #1632.
- Gounelle, M., & Meibom, A. (2007). The Oxygen Isotopic Composition of the Sun as a Test of the Supernova Origin of ²⁶Al and ⁴¹Ca in the Early Solar System. *Lunar and Planetary Science Conference XXXVIII*, Abstract #2146.
- Grimberg, A., Baur, H., Burnett, D. S., Bochsler, P., & Wieler, R. (2007). The depth distribution of neon and argon in the bulk metallic glass flown on Genesis. *Lunar and Planetary Science Conference XXXVIII*, Abstract #1270.
- Heber, V. S., Baur, H., Burnett, D. S., & Wieler, R. (2007). Helium and neon isotopic and elemental composition in different solar wind regime targets from the Genesis mission. *Lunar and Planetary Science Conference XXXVIII*, Abstract #1894.
- Heber, V. S., Wiens, R. C., Reisenfeld, D. B., Allton, J. H., Baur, H., Burnett, D. S., ... & Wieler, R. (2007). The Genesis solar wind concentrator target: mass fractionation characterised by Ne isotopes. *Lunar and Planetary Science Conference XXXVIII*, Abstract #1917.
- Huang, S., Humayun, M., Burnett, D., & Jurewicz, A. J. G. (2007). Determination of Fe and Mg Fluences in Genesis SoS Wafer Fragments. *Lunar and Planetary Science Conference XXXVIII*, Abstract #1891.
- Kitts, K., Sutton, S., & Newville, M. (2007). Abundance and Charge State of Implanted Solar Wind Transition Metals in Individual Apollo 16 and 17 Lunar Soil Plagioclase Grains Determined In Situ Using Synchrotron X-ray Fluorescence. *Lunar and Planetary Science Conference XXXVIII*, Abstract #1106.
- Kuhlman, K. R., & Burnett, D. S. (2007). Extraction Replica Cleaning of Genesis AuOS and AlOS. *Lunar and Planetary Science Conference XXXVIII*, Abstract #1920.
- Lyon, I., Henkel, T., Jurewicz, A. J. G., & Burnett, D. (2007). TOFSIMS Studies of Genesis Standards and Samples. *Lunar and Planetary Science Conference XXXVIII*, Abstract #1673.
- Mabry, J. C., Meshik, A. P., Hohenberg, C. M., Marrocchi, Y., Pravdivtseva, O. V., Wiens, R. C., ... & McNamara, K. (2007). Refinement and implications of noble gas measurements from Genesis. *Lunar and Planetary Science Conference XXXVIII*, Abstract #2412.
- Marty, B., Zimmermann, L., & Burnard, P. (2007). Nitrogen Elemental and Isotopic Analysis of Genesis Targets. *Lunar and Planetary Science Conference XXXVIII*, Abstract #1704.
- Minton, D. A. (2007). Solar Wind Lithium Enhancement During the Late Heavy Bombardment. *Lunar and Planetary Science Conference XXXVIII*, Abstract #2327.
- Ozima, M., Yin, Q. Z., Seki, H., Podosek, F., & Zahnle, K. (2007). Biotic earth wind as the origin of oxygen isotope anomalies in contemporary lunar regolith. *Lunar and Planetary Science Conference XXXVIII*, Abstract #1129.
- Pellin, M. J., King, B. V., Veryovkin, I. V., Tripa, C. E., Savina, M. R., & Burnett, D. S. (2007). The Depth Profile of Solar Wind Magnesium in Si and Diamond-like Carbon Collectors Returned by Genesis. *Lunar and Planetary Science Conference XXXVIII*, Abstract #2181.

Verchovsky, A. B., Sestak, S., & Franchi, I. A. (2007). Towards the isotopic measurement of solar wind carbon in the Genesis silicon target. *Lunar and Planetary Science Conference XXXVIII*, Abstract #2061.

Veryovkin, I. V., Tripa, C. E., Pellin, M. J., Savina, M. R., & Burnett, D. S. (2007). The Elemental Abundance of Magnesium in Solar Wind Samples (Silicon and Diamond-like Carbon) Returned by Genesis. *Lunar and Planetary Science Conference XXXVIII*, Abstract #2224.

2008

Allton, J. H., Calaway, M. J., & Rodriguez, M. C. (2008). Preliminary quantification of image color gradient on Genesis concentrator silicon carbide target 60001. *Lunar and Planetary Science Conference XXXIX*, Abstract #1440.

Calaway, M. J., Rodriguez, M. C., & Allton, J. H. (2008). Genesis Concentrator Target Particle Contamination Mapping and Material Identification. *Lunar and Planetary Science Conference XXXIX*, Abstract #1423.

Claydon, J. L., Lyon, I. C., Henkel, T., Rost, D., King, A., & Davies, S. (2008). Analyzing Genesis Diamond Collectors by TOFSIMS: Development of a Method for the Simultaneous Detection of Many Solar Wind Implanted Elements. *Lunar and Planetary Science Conference XXXIX*, Abstract #1727.

Crowther, S. A., Filtner, M. J., & Gilmour, J. D. (2008). Applications of RELAX to xenon measurements in Genesis samples. *Lunar and Planetary Science Conference XXXIX*, Abstract #1762.

Heber, V. S., Baur, H., Bochsler, P., Burnett, D. S., Reisenfeld, D. B., Wieler, R., & Wiens, R. C. (2008). Helium, neon, and argon isotopic and elemental composition of solar wind regimes collected by GENESIS: Implications on fractionation processes upon solar wind formation. *Lunar and Planetary Science Conference XXXIX*, Abstract #1779.

Heber, V. S., Olinger, C., Baur, H., Burnett, D. S., & Wieler, R. (2008). Genesis Solar Wind Collector Materials Tested for Fractionation and Loss due to Diffusion and Backscattering: Preliminary Data. *Lunar and Planetary Science Conference XXXIX*, Abstract #2327.

Huang, S., Humayun, M., & Burnett, D. S. (2008). Surficial Contamination on Genesis Flight Silicon on Sapphire (SoS) Wafer Fragments and Its Implication to the Determination of Solar Wind Tracers. *Lunar and Planetary Science Conference XXXIX*, Abstract #1976.

Jurewicz, A. J. G., Burnett, D. S., Woolum, D. S., McKeegan, K. D., Guan, Y., & Hervig, R. (2008). Solar Elemental Abundances From Genesis Collectors: Fe/Mg, Constraining Solar-Wind FIP Fractionation, and Comparisons with CI Chondrites. *Lunar and Planetary Science Conference XXXIX*, Abstract #2272.

Kitts, K., Choi, Y., Sutton, S. R., Ghose, S., Burnett, D., & Eng, P. (2008). Discrimination and quantification of implanted solar wind in Genesis collector shards using grazing incidence synchrotron x-ray techniques: New detector initial results. *Lunar and Planetary Science Conference XXXIX*, Abstract #1296.

Lyon, I. C., Claydon, J. L., Henkel, T., Rost, D., King, A., & Davies, S. (2008). TOFSIMS Analysis of Solar Wind Implanted Elements into Genesis Collectors: Development of High Sensitivity "Delayed Extraction" and Application to the Analysis of Silicon Collectors. *Lunar and Planetary Science Conference XXXIX*, Abstract #1731.

- Lyons, J. R., Boney, E., & Marcus, R. A. (2008). Self-Shielding at the X-Point in the CO E (1)-X (0) Band of CO. *Lunar and Planetary Science Conference XXXIX*, Abstract #2265.
- Mabry, J. C., Meshik, A. P., Hohenberg, C. M., Burnett, D. S., & Allton, J. H. (2008). Light noble gas diffusion in Genesis samples. *Lunar and Planetary Science Conference XXXIX*, Abstract #2255.
- Marty, B., Zimmermann, L., Burnard, P. G., Burnett, D. S., Allton, J. H., Heber, V. S., ... & Franchi, I. A. (2008). In search of the solar wind nitrogen isotope composition: analysis of a gold plate from the Genesis spacecraft concentrator. . *Lunar and Planetary Science Conference XXXIX*, Abstract #1314.
- McKeegan, K. D., G. J. Jarzebinski, A. P. Kallio, P. H. Mao, C. D. Coath, T. Kunihiro, R. C. Wiens, J. H. Allton, M. Calaway, and M. C. Rodriguez. (2008). A first look at oxygen in a Genesis concentrator sample. *Lunar and Planetary Science Conference XXXIX*, Abstract #2020.
- Meshik, A. P., Pravdivtseva, O., Hohenberg, C. M., Mabry, J. C., Allton, J. H., & Burnett, D. S. (2008). Argon Release Profiles and a Preliminary Ar/Kr Ratio from the Genesis Polished Aluminum Collector. *Lunar and Planetary Science Conference XXXIX*, Abstract #2537.
- Pedroni, A., Ott, U. (2008) The "SEP"-Component in Regolith Samples: Can We Really Do Without It? *Lunar and Planetary Science Conference XXXIX*, Abstract #1095.
- Rodriguez, M. C., Calaway, M. J., & Allton, J. H. (2008). Stereomicroscope Inspection of Polished Aluminum Collector 50684.0. *Lunar and Planetary Science Conference XXXIX*, Abstract #2063.
- Veryovkin, I. V., Tripa, C. E., Zinovev, A. V., Hiller, J. M., Pellin, M. J., & Burnett, D. S. (2008). RIMS Analysis of Solar Wind Magnesium and Calcium in Genesis Samples. *Lunar and Planetary Science Conference XXXIX*, Abstract #2396.

2009

- Burkett, P. J., Rodriguez, M. C., Calaway, M. C., & Allton, J. H. (2009). Genesis solar wind array collector cataloging status. *Lunar and Planetary Science Conference XXXX*, Abstract #1373.
- Calaway, M. J., Rodriguez, M. C., Allton, J. H., & Stansbery, E. K. (2009). Decontaminating solar wind samples with the Genesis ultra-pure water megasonic wafer spin cleaner. *Lunar and Planetary Science Conference XXXX*, Abstract #1183.
- Cetina, C., Grabowski, K. S., & Knies, D. L. (2009). SIMS-AMS Method for Measuring Solar Wind Silicon in DLC Genesis Collectors. *Lunar and Planetary Science Conference XXXX*, Abstract #2550.
- Davis, A. M., Stephan, T., Veryovkin, I. V., Pellin, M. J., & Savina, M. R. (2009). The ion nanoprobe: a new instrument for studying the isotopic and elemental composition of the solar system and beyond at the few-nanometer scale. *Lunar and Planetary Science Conference XXXX*, Abstract #2472.
- Grimberg, A., Bühler, F., Wieler, R., & Bochsler, P. (2009). Comparison of Solar Wind Noble Gas Data from Genesis with Apollo/SWC--New Results from Implantation Experiments. *Lunar and Planetary Science Conference XXXX*, Abstract #1537.
- Heber, V. S., Wiens, R. C., Bochsler, P., Wieler, R., & Burnett, D. S. (2009). Fractionation processes in the solar wind revealed by noble gases collected by Genesis regime targets. *Lunar and Planetary Science Conference XXXX*, Abstract #2503.

- Heber, V. S., Wiens, R. C., Jurewicz, A. J. G., Baur, H., Vogel, N., Wieler, R., & Burnett, D. S. (2009). Isotope fractionation of solar wind implanted into the Genesis concentrator target determined by neon in the gold cross and implantation experiments. *Lunar and Planetary Science Conference XXXX*, Abstract #1485.
- Humayun, M., & Huang, S. (2009). Low-level magnesium isotopic analysis for the Genesis Mission. *Lunar and Planetary Science Conference XXXX*, Abstract #1272.
- Kitts, K., Choi, Y., Eng, P., & Sutton, S. R. (2009). X-ray standing wave based internal reference method for quantification of implanted Fe in Genesis samples. *Lunar and Planetary Science Conference XXXX*, Abstract #1439.
- Lemelle, L., Salome, M., Westall, F., Susini, J., & Simionovici, S. (2009). In Situ Search for Traces of Life in Extraterrestrial Samples Using X-Ray Spectromicroscopy at the Sulfur K-Edge. *Lunar and Planetary Science Conference XXXX*, Abstract #1842.
- Lyons, J. R. (2009). The Predominance of Self-shielding in Laboratory CO Photolysis Experiments. *Lunar and Planetary Science Conference XXXX*, Abstract #2377.
- Mabry, J. C., Meshik, A. P., Hohenberg, C. M., & Burnett, D. S. (2009). Real-Time Diffusive Losses of Light Noble Gases from Genesis Aluminum Collectors. *Lunar and Planetary Science Conference XXXX*, Abstract #1783.
- Makide, K., Nagashima, K., Krot, A. N., & Huss, G. R. (2009). Oxygen isotopic compositions of solar, micrometer-sized corundum, hibonite and spinel grains in acid-resistant residues from ordinary and carbonaceous chondrites. *Lunar and Planetary Science Conference XXXX*, Abstract #2079.
- Marty, B., Zimmermann, L., Burnard, P. G., Burnett, D. L., Heber, V. S., Wieler, R., ... & Franchi, I. A. (2009). In search of solar wind nitrogen in Genesis material: further analysis of a gold cross arm of the concentrator. *Lunar and Planetary Science Conference XXXX*, Abstract #1857.
- McKeegan, K. D., Kallio, A. P., Heber, V., Jarzebinski, G., Mao, P. H., Coath, C. D., ... & Burnett, D. S. (2009). Oxygen isotopes in a Genesis concentrator sample. *Lunar and Planetary Science Conference XXXX*, Abstract #2494.
- Meshik, A. P., Hohenberg, C. M., Pravdivtseva, O. V., Mabry, J. C., Allton, J. H., & Burnett, D. S. (2009). Relative abundances of heavy noble gases from the polished aluminum solar wind collector on Genesis. *Lunar and Planetary Science Conference XXXX*, Abstract #2037.
- Pepin, R. O., Becker, R. H., & Schlutter, D. J. (2009). Solar wind nitrogen in Genesis gold-on-sapphire (AuOS) collectors. *Lunar and Planetary Science Conference XXXX*, Abstract #2103.
- Rodriguez, M. C., Calaway, M. C., Allton, J. H., McNamara, K. M., & Hittle, J. D. (2009). Status of reconstruction of fragmented diamond-on-silicon collector from Genesis spacecraft solar wind concentrator. *Lunar and Planetary Science Conference XXXX*, Abstract #1337.
- Strashnov, I., Blagburn, D. J., & Gilmour, J. D. (2009). Resonant Photoionization Mass Spectrometer for Determination of Isotopic Compositions of Krypton in Extraterrestrial Samples. *Lunar and Planetary Science Conference XXXX*, Abstract #1645.

Veryovkin, I. V., Tripa, C. E., Zinovev, A. V., Pellin, M. J., & Burnett, D. S. (2009). Solar Wind Calcium and Chromium in GENESIS Bulk Silicon Collector: Simultaneous Measurements by RIMS. *Lunar and Planetary Science Conference XXXX*, Abstract #2422.

Vogel, N., Heber, V. S., Baur, H., Burnett, D. S., & Wieler, R. (2009). Preliminary Genesis Bulk Solar Wind Ar, Kr, and Xe Abundances in Comparison to Young Lunar Regolith and Solar Photosphere Data. *Lunar and Planetary Science Conference XXXX*, Abstract #1964.

2010

Aléon, J. (2010). Multiple Origins of Nitrogen Isotopic Anomalies in Meteorites and Comets. *Lunar and Planetary Science Conference XXXXI*, Abstract #1342.

Becker, R. H. (2010). Solar Wind $^{15}\text{N}/^{14}\text{N}$ from Genesis---A Tale of Two Values. *Lunar and Planetary Science Conference XXXXI*, Abstract #2469.

Busemann, H., Spring, N., Crowther, S. A., Claydon, J. L., Gilmour, J. D., & Nittler, L. R. (2010). Abundant primordial xenon in interplanetary dust particles from the comet Grigg-Skjellerup collection. *Lunar and Planetary Science Conference XXXXI*, Abstract #1947.

Cetina, C., Demoranville, L. T., Grabowski, K. S., & Knies, D. L. (2010). Evaluation of Standards for Silicon Analysis in Germanium Genesis Collectors by SIMS-AMS. *Lunar and Planetary Science Conference XXXXI*, Abstract #2729.

Chaussidon, M., & Villeneuve, J. (2010). Constraints on the Origin of Refractory Olivines in Allende Type I Chondrules from their Oxygen Isotopic Composition. *Lunar and Planetary Science Conference XXXXI*, Abstract #1626.

Heber, V. S., Guan, Y., Jurewicz, A. J. G., Kallio, A. P., Olinger, C., Woolum, D. S., ... & Burnett, D. S. (2010). Solar Wind Elemental Fractionation: Genesis C and O Fluences by Backside SIMS Profiling---Preliminary Data. *Lunar and Planetary Science Conference XXXXI*, Abstract #2234.

Heber, V. S., Wiens, R. C., Vogel, N., Baur, H., Wieler, R., McKeegan, K. D., & Burnett, D. S. (2010). Genesis Concentrator Target: Isotopic and Elemental Fractionation of Implanted Solar Wind Characterized and Quantified by Ne Isotopes and the Ne/Ar Ratio in SiC. *Lunar and Planetary Science Conference XXXXI*, Abstract #1067.

Kallio, A. P. A., McKeegan, K. D., Jarzebinski, G., Mao, P. H., Kunihiro, T., Coath, C. D., ... & Wiens, R. C. (2010). Nitrogen isotopic composition of solar wind returned by the Genesis mission. *Lunar and Planetary Science Conference XXXXI*, Abstract #2481.

King, B. V., Veryovkin, I. V., Zinovev, A. V., Tripa, C. E., Pellin, M. J., Toyoda, N., ... & Schmeling, M. (2010). Ion beam removal of surface contamination in Genesis samples. *Lunar and Planetary Science Conference XXXXI*, Abstract #1975.

Kuhlman, K. R., Lyon, I., & Burnett, D. S. (2010). Genesis cleaning and particle analysis techniques: an update. *Lunar and Planetary Science Conference XXXXI*, Abstract #1822.

Lyons, J. R., Stark, G., & Heays, A. N. (2010). Assessment of CO Photodissociation Experiments by Model Simulations and Spectroscopic Measurements. *Lunar and Planetary Science Conference XXXXI*, Abstract #2651.

- Makide, K., Nagashima, K., Krot, A. N., & Huss, G. R. (2010). Variations of Initial Abundance of ^{26}Al Among the Micron-sized ^{16}O -rich, Solar Corundum Grains from Ordinary and Carbonaceous Chondrite. *Lunar and Planetary Science Conference XXXXI*, Abstract #2283.
- McKeegan, K. D., Kallio, A. P. A., Heber, V. S., Jarzebinski, G., Mao, P. H., Coath, C. D., ... & Burnett, D. S. (2010). Genesis SiC concentrator sample traverse: Confirmation of ^{16}O -depletion of terrestrial oxygen. *Lunar and Planetary Science Conference XXXXI*, Abstract #2589.
- Meshik, A. P., Hohenberg, C. M., Pravdivtseva, O. V., Allton, J. H., Jurewicz, A. J. G., & Burnett, D. S. (2010). Solar Wind Krypton in Polished Aluminum Genesis Collector: Current Status. *Lunar and Planetary Science Conference XXXXI*, Abstract #1876.
- Olinger, C. T., & Wiens, R. C. (2010). Interpreting Measured Solar Wind Implant Profiles Through Simulation. *Lunar and Planetary Science Conference XXXXI*, Abstract #2219.
- Rieck, K., Jurewicz, A. J. G., Wadhwa, M., Burnett, D. S., Hervig, R., & Wiens, R. (2010). SIMS Measurements of Mg Isotopes in the Solar Wind. *Lunar and Planetary Science Conference XXXXI*, Abstract #2391.
- Schmeling, M. (2010). Analysis of genesis sample surface contamination by total reflection X-ray fluorescence spectrometry. *Lunar and Planetary Science Conference XXXXI*, Abstract #1682.
- Stephan, T., Davis, A. M., Pellin, M. J., Savina, M. R., & Veryovkin, I. V. (2010). CHILI---The Chicago Instrument for Laser Ionization---A Progress Report. *Lunar and Planetary Science Conference XXXXI*, Abstract #2321.
- Verchovsky, A. B., & Franchi, I. A. (2010). Measurements of Nitrogen in the Genesis Concentrator Target Materials: Sources of Contamination N. *Lunar and Planetary Science Conference XXXXI*, Abstract #2127.
- Veryovkin, I. V., Tripa, C. E., Zinovev, A. V., King, B. V., Pellin, M. J., & Burnett, D. S. (2010). Sensitive multielement RIMS depth profiling of Genesis Solar Wind collectors. *Lunar and Planetary Science Conference XXXXI*, Abstract #2579.
- Vogel, N., Baur, H., Bochsler, P., Bühler, F., Grimberg, A., & Wieler, R. (2010). New Analyses of Helium, Neon, and Argon in Aluminum Foils of the Apollo Solar Wind Composition Experiment. *Lunar and Planetary Science Conference XXXXI*, Abstract #1907.
- Vogel, N., Baur, H., Burnett, D. S., Heber, V. S., & Wieler, R. (2010). Isotopic and Elemental Compositions of Ar, Kr, and Xe in Bulk, Slow, and Fast Solar Wind Targets from Genesis. *Lunar and Planetary Science Conference XXXXI*, Abstract #1893.
- Wiens, R. C., Reisenfeld, D. B., Heber, V. S., & Burnett, D. S. (2010). Solar Wind Fractionation---Isotopic and Elemental---and Implications for Solar Compositions and Future Genesis Analyses. *Lunar and Planetary Science Conference XXXXI*, Abstract #2125.
- Yurimoto, H., Itoh, S., & Ebata, S. (2010). Oxygen Isotopic Composition of Stellar Wind from the Protosun. *Lunar and Planetary Science Conference XXXXI*, Abstract #1098.

2011

- Allen, J., Luckey, M., McInturff, B., Kascak, A., Tobola, K., Galindo, C., & Allen, C. (2011). Solar System Samples for Research, Education, and Public Outreach. *Lunar and Planetary Science Conference XXXXII, Abstract #2426*.
- Burkett, P. J., Rodriguez, M. C., & Allton, J. H. (2011). Nuts and Bolts-Techniques for Genesis Sample Curation. *Lunar and Planetary Science Conference XXXXII, Abstract #1964*.
- Chakraborty, S., Davis, R., Ahmed, M., Jackson, T. L., & Thiemens, M. H. (2011). Temperature and Wavelength Dependent Oxygen Isotopic Fractionation in the VUV Photodissociation of CO: Implications for the Solar Nebula. *Lunar and Planetary Science Conference XXXXII, Abstract #1559*.
- Crowther, S. A., & Gilmour, J. D. (2011). Solar Wind Xenon Composition Measured in Silicon Collector Targets from the Genesis Mission. *Lunar and Planetary Science Conference XXXXII, Abstract #1969*.
- Frasl, B., Honda, M., & Ireland, T. R. (2011). Isotopic Compositions of Solar He and Ne in Single Lunar Olivine Grains. *Lunar and Planetary Science Conference XXXXII, Abstract #1605*.
- Heber, V. S., & McKeegan, K. D. (2011). Towards Understanding Mass-Dependent Fractionation of Solar Wind Isotopic Compositions. *Lunar and Planetary Science Conference XXXXII, Abstract #2789*.
- Heber, V. S., Guan, Y., Jurewicz, A. J. G., Smith, S., Olinger, C., McKeegan, K. D., & Burnett, D. S. (2011). Abundances of Carbon, Nitrogen and Oxygen in the Solar Wind Measured by Backside SIMS Depth Profiling. *Lunar and Planetary Science Conference XXXXII, Abstract #2642*.
- Humayun, M., Burnett, D. S., & Jurewicz, A. J. G. (2011). Preliminary magnesium isotopic composition of solar wind from Genesis SOS. *Lunar and Planetary Science Conference XXXXII, Abstract #1211*.
- Huss, G. R., Nagashima, K., Jurewicz, A. J. G., Burnett, D. S., & Olinger, C. T. (2011). Isotopic Composition of Solar Wind Nitrogen in a Genesis Bulk Solar Wind Collector. *Lunar and Planetary Science Conference XXXXII, Abstract #1650*.
- Jurewicz, A. J. G., Burnett, D. S., Woolum, D. S., McKeegan, K. D., Heber, V., Guan, Y., ... & Hervig, R. (2011). Solar-Wind Fe/Mg and a Comparison with CI Chondrites. *Lunar and Planetary Science Conference XXXXII, Abstract #1917*.
- Lyon, I. C., Kuhlman, K. R., & Burnett, D. S. (2011). Cleaning Strategies and Depth Profiling of Genesis 60130 Silicon. *Lunar and Planetary Science Conference XXXXII, Abstract #2528*.
- Marty, B., Chaussidon, M., Jurewicz, A. J. G., Wiens, R. C., & Burnett, D. S. (2011). The lowest $^{15}\text{N}/^{14}\text{N}$ end-member of the solar system is the Sun. *Lunar and Planetary Science Conference XXXXII, Abstract #1870*.
- Meshik, A. P., Hohenberg, C. M., Pravdivtseva, O. V., Allton, J. H., Jurewicz, A. J. G., & Burnett, D. S. (2011). Isotopic composition of solar wind krypton aluminum Genesis collectors. *Lunar and Planetary Science Conference XXXXII, Abstract #2703*.
- Ozima, M., & Yamada, A. (2011, March). The Origin of the Primordial Noble Gas Isotopic Composition in the Solar System. *Lunar and Planetary Science Conference XXXXII, Abstract #1088*.

- Reisenfeld, D. B., Steinberg, J. T., Wiens, R. C., Lepri, S., & Raines, J. (2011). A Comparison of Solar Wind Conditions During the Genesis Mission with Forty Years of Solar Wind Observations. *Lunar and Planetary Science Conference XXXXII, Abstract #2017*
- Rodriquez, M. C., Burkett, P. J., & Allton, J. H. (2011). Higher Magnification Imaging of the Polished Aluminum Collector Returned from the Genesis Mission. *Lunar and Planetary Science Conference XXXXII, Abstract #1968*.
- Schmeling, M., Burnett, D. S., & Jurewicz, A. J. G. (2011). Surface Characterization of Genesis Samples by Total Reflection X-ray Fluorescence Spectrometry: Contaminants and Roughness Variations. *Lunar and Planetary Science Conference XXXXII, Abstract #2041*.
- Veryovkin, I. V., Tripa, C. E., Zinovev, A. V., Baryshev, S. V., Pellin, M. J., & Burnett, D. S. (2011). Multielement RIMS Analysis of Genesis Solar Wind Collectors--Recent Progress Towards Better Accuracy. *Lunar and Planetary Science Conference XXXXII, Abstract #2308*.
- Veryovkin, I. V., Tripa, C. E., Zinovev, A. V., Baryshev, S. V., & Pellin, M. J. (2011). Upgrades to SARISA: Aiming at Quantitative Three-Dimensional Mass Spectrometry on Nanometer Scale. *Lunar and Planetary Science Conference XXXXII, Abstract #2790*.
- Vogel, N., Baur, H., Burnett, D. S., Maden, C., & Wieler, R. (2011). Argon, Krypton, and Xenon in Three Solar Wind Regimes as Collected by GENESIS. *Lunar and Planetary Science Conference XXXXII, Abstract #1767*.
- Wiens, R. C., Olinger, C. T., & Reisenfeld, D. (2011). Ion Trajectory Simulations of the Genesis Solar Wind Concentrator Performance. *Lunar and Planetary Science Conference XXXXII, Abstract #1555*.

2012

- Allton, J. H., Allen, C. C., Burkett, P. J., Calaway, M. J., & Oehler, D. Z. (2012). Toward Lower Organic Environments in Astromaterial Sample Curation for Diverse Collections. *Lunar and Planetary Science Conference XXXXIII, Abstract #2439*.
- Baryshev, S. V., Zinovev, A. V., Tripa, C. E., Pellin, M. J., Burnett, D. S., & Veryovkin, I. V. (2012). Fine structure of near-surface solar wind depth profile by SNMS/SEM imaging. *Lunar and Planetary Science Conference XXXXIII, Abstract #2909*.
- Chakraborty, S., Jackson, T. L., Muskatel, B. H., Ahmed, M., Levine, R. D., & Thiemens, M. H. (2012). Nitrogen Isotopic Fractionation in VUV Photodissociation of N₂: Implications for the Early Solar System. *Lunar and Planetary Science Conference XXXXIII, Abstract #2347*.
- Crowther, S. A., Filtner, M. J., & Gilmour, J. D. (2012). Pathways of Iodine and Xenon into Terrestrial Planets. *Lunar and Planetary Science Conference XXXXIII, Abstract #1919*.
- Dominguez, G., Jackson, T., Nunn, M., Basov, D., & Thiemens, M. H. (2012). Low Temperature Mass-Independent Ozone Formation on Cold Surfaces. *Lunar and Planetary Science Conference XXXXIII, Abstract #2403*.
- Floss, C., Noguchi, T., & Yada, T. (2012, March). Ultracarbonaceous Antarctic micrometeorites: origins and relationships to other primitive extraterrestrial materials. *Lunar and Planetary Science Conference XXXXIII, Abstract #1217*.

- Heber, V. S., Jurewicz, A. J. G., Janney, P., Wadhwa, M., McKeegan, K. D., & Burnett, D. S. (2012). Magnesium Isotopic Composition of Solar Wind as Test for Sun-Solar Wind Isotopic Fractionation: A Progress Report. . *Lunar and Planetary Science Conference XXXXIII*, Abstract #2921.
- Huss, G. R., Nagashima, K., Burnett, D. S., Jurewicz, A. J. G., & Olinger, C. T. (2012). A new upper limit on the D/H ratio in the solar wind. *Lunar and Planetary Science Conference XXXXIII*, Abstract #1709.
- Ireland, T. J., Dauphas, N., & Tissot, F. L. H. (2012). Development of an Automated All-Teflon HPLC System for the Analysis of Precious Geological and Extraterrestrial Materials. . *Lunar and Planetary Science Conference XXXXIII*, Abstract #2141.
- Krot, A. N., Makide, K., Nagashima, K., Huss, G. R., Hellebrand, E., & Petaev, M. I. (2012). Heterogeneous Distribution of ^{26}Al at the Birth of the Solar System: Evidence from Corundum-Bearing Refractory Inclusions. *Lunar and Planetary Science Conference XXXXIII*, Abstract #2255.
- Ozima, M., Suzuki, T. K., & Yamada, A. (2012). Genesis SW-Oxygen Corrected for SW/SUN Isotopic Fractionation is Closer to Earth Oxygen than to CAI. *Lunar and Planetary Science Conference XXXXIII*, Abstract #1194.
- Rodriguez, M. C., Allton, J. H., & Burkett, P. J. (2012). Using Image Pro Plus Software to Develop Particle Mapping on Genesis Solar Wind Collector Surfaces. *Lunar and Planetary Science Conference XXXXIII*, Abstract #2750.
- Schmeling, M., Burnett, D. S., Choi, Y., Eng, P. J., Stubbs, J. E., Tripa, C. E., & Veryovkin, I. V. (2012). Study of genesis solar wind samples by laboratory based total reflection X-ray fluorescence spectrometry and synchrotron based grazing incidence X-ray fluorescence. *Lunar and Planetary Science Conference XXXXIII*, Abstract #2209.
- Shi, X., Yin, Q.Z., Wiens, R., Ng, C.Y. (2012). Isotope Composition of Atomic Oxygen and Branching Ratio from CO Predissociation: Implications for Oxygen Isotope Evolution in the Early Solar Nebula. *Lunar and Planetary Science Conference XXXXIII*, Abstract #1403.
- Snead, C. J., McKeegan, K. D., Burchell, M., & Kearsley, A. T. (2012). Oxygen Isotope Measurements of Simulated Wild 2 Impact Crater Residues. *Lunar and Planetary Science Conference XXXXIII*, Abstract #2238.
- Veryovkin, I. V., Baryshev, S. V., Becker, N. G., Burnett, D. S., Choi, Y., Eng, P. J., ... & Yamada, I. (2012). Cleaning Genesis Samples with Gas Cluster Ion Beams: Method Evaluation by Comparative Studies with RIMS, GI-XRF and Other Surface Characterization Techniques. *Lunar and Planetary Science Conference XXXXIII*, Abstract #2732.
- Veryovkin, I. V., Baryshev, S. V., Burnett, D. S., Pellin, M. J., Tripa, C. E., & Zinovev, A. V. (2012). Dual beam sputter depth profiling of Genesis Solar Wind collectors by RIMS. *Lunar and Planetary Science Conference XXXXIII*, Abstract #2296.
- Wiens, R. C., Olinger, C. T., Reisenfeld, D. B., Heber, V., & Burnett, D. S. (2012). Ion Trajectory Simulations of the Genesis Solar Wind Concentrator: Li, C, Mg, S. *Lunar and Planetary Science Conference XXXXIII*, Abstract #1369.

Wimpenny, J., Yin, Q. Z., Burnett, D. S., Jurewicz, A. J. G., & Woolum, D. S. (2012). Measuring the Mg Fluence of the Solar Wind Using LA-ICP-MS Depth Profiling. *Lunar and Planetary Science Conference XXXXIII*, Abstract #1857.

Zinovev, A., Baryshev, S., Tripa, E., & Veryovkin, I. (2012). Laser Setup for Multi-element RIMS of GENESIS Returned Samples. *Lunar and Planetary Science Conference XXXXIII*, Abstract #2911.

2013

Allton, J. H., Rodriguez, M. C., Burkett, P. J., Ross, D. K., Gonzalez, C. P., & McNamara, K. M. (2013). Recent Optical and SEM Characterization of Genesis Solar Wind Concentrator Diamond on Silicon Collector. *Lunar and Planetary Science Conference XXXXIV*, Abstract #2466.

Ayres, T. R., Lyons, J. R., Ludwig, H. G., Caffau, E., & Wedemeyer-Bohm, S. (2013). Isotopic CO in the Solar Photosphere, Viewed Through the Lens of 3D Spectrum Synthesis. *Lunar and Planetary Science Conference XXXXIV*, Abstract #3038.

Bochsler, P., Eggenberger, P., & Meynet, G. (2013). Solar Oxygen Isotopes After Genesis: Is the Final Word Out?. *Lunar and Planetary Science Conference XXXXIV*, Abstract #1557.

Bochsler, P., Heber, V. S., & Burnett, D. S. (2013). Solar Abundances of Volatile Elements Revisited After Genesis. *Lunar and Planetary Science Conference XXXXIV*, Abstract #1277.

Burkett, P. J., Allton, J. A., Clemett, S. J., Gonzales, C. P., Lauer Jr, H. V., Nakamura-Messenger, K., ... & Sutter, B. (2013). Plan for Subdividing Genesis Mission Diamond-on-Silicon 60000 Solar Wind Collector. *Lunar and Planetary Science Conference XXXXIV*, Abstract #2837.

Chakraborty, S., Jackson, T. L., Muskatel, B. H., Ahmed, M., Thiemens, M. H., & Levine, R. D. (2013). Huge Isotope Effect in VUV Photodissociation of N₂: Implications for Meteorite Data. *Lunar and Planetary Science Conference XXXXIV*, Abstract #1043.

Crowther, S. A., & Gilmour, J. D. (2013). Solar System Xenon Signatures: Solar, Fractionated Solar and an S-Process Deficit. *Lunar and Planetary Science Conference XXXXIV*, Abstract #2126.

Fu, X. H., Zou, Y. L., He, H. Y., Zheng, Y. C., Li, C. L., & Liu, X. Q. (2013). Diffusion kinetic and retentivity of implanted helium in minerals. *Lunar and Planetary Science Conference XXXXIV*, Abstract #1389.

Goreva, Y. S., & Burnett, D. S. (2013). TOF-SIMS Ion Imaging for Evaluation of Effectiveness of Genesis Sample Cleaning. *Lunar and Planetary Science Conference XXXXIV*, Abstract #2109.

Heber, V. S., Burnett, D. S., Duprat, J., Guan, Y., Jurewicz, A. J. G., Marty, B., & McKeegan, K. D. (2013). Carbon, Nitrogen, and Oxygen Abundances in the Bulk Solar Wind and Calibration of Absolute Abundances. *Lunar and Planetary Science Conference XXXXIV*, Abstract #2540.

Heber, V. S., McKeegan, K. D., Bochsler, P., Burnett, D. S., Guan, Y., Reisenfeld, D. B., & Wieler, R. (2013). Elemental Fractionation Processes in the Solar Wind Revealed by Genesis Solar Wind Regime Samples. *Lunar and Planetary Science Conference XXXXIV*, Abstract #3028.

Kuhlman, K. R., Rodriguez, M. C., Gonzalez, C. P., Allton, J. H., & Burnett, D. S. (2013). Cleaning Study of Genesis Sample 60487. *Lunar and Planetary Science Conference XXXXIV*, Abstract #2930.

- Lauer Jr, H. V., Burkett, P. J., Rodriquez, M. C., Nakamura-Messenger, K., Clemett, S. J., Gonzales, C. P., ... & See, T. H. (2013). Laser Subdivision of the Genesis Concentrator Target Sample 60000. *Lunar and Planetary Science Conference XXXIV*, Abstract #2691.
- Livengood, T. A., Kostiuik, T., Hewagama, T., Smith, R. L., Sonnabend, G., Sornig, M., & Stangier, T. (2013). Evidence for Significantly Enriched Heavy Oxygen in Mars Atmosphere *Lunar and Planetary Science Conference XXXIV*, Abstract #3040.
- Meshik, A. P., Hohenberg, C. M., Pravdivtseva, O. V., & Burnett, D. S. (2013). Xenon Isotopes in Aluminum Solar Wind Collectors in from Genesis Mission. *Lunar and Planetary Science Conference XXXIV*, Abstract #3103.
- Nagahara, H., & Ozawa, K. (2013). Material Transport and Oxygen Isotopic Fractionation in the Protosolar Disk. *Lunar and Planetary Science Conference XXXIV*, Abstract #1383.
- Rieck, K. D., Jurewicz, A. J. G., Burnett, D. S., Hervig, R. L., Veryovkin, I. V., & Miller, C. S. (2013). Genesis Sodium and Potassium Bulk Solar Wind Fluences. *Lunar and Planetary Science Conference XXXIV*, Abstract #3030.
- Rodriquez, M. C., Allton, J. H., Burkett, P. J., & Gonzalez, C. P. (2013). Examples of Optical Assessment of Surface Cleanliness of Genesis Samples. *Lunar and Planetary Science Conference XXXIV*, Abstract #2515.
- Schmeling, M., Burnett, D. S., Allton, J. H., Rodriquez, M., Tripa, C. E., & Veryovkin, I. V. (2013). Application of CO₂ Snow Jet Cleaning in Conjunction with Laboratory Based Total Reflection X-Ray Fluorescence. *Lunar and Planetary Science Conference XXXIV*, Abstract #2465.
- Veryovkin, I. V., Schmeling, M., Toyoda, N., Mashita, T., Yamada, I., Jurewicz, A. J. G., ... & Burnett, D. S. (2013). Gas Cluster Ion Beam Cleaning of Genesis Solar Wind Samples: Further Steps in the Method Evaluation. *Lunar and Planetary Science Conference XXXIV*, Abstract #2970.
- Veryovkin, I. V., Zinovev, A. V., Tripa, C. E., Baryshev, S. V., Pellin, M. J., Miller, C. S., & Burnett, D. S. (2013). Backside Sputter Depth Profiling of Genesis Samples: An Application to Diamond-on-Silicon Collectors. *Lunar and Planetary Science Conference XXXIV*, Abstract #2247.
- Wasserburg, G. J., & Yin, Q. Z. (2013). The ²⁶Al-Oxygen Isotope Conundrum. *Lunar and Planetary Science Conference XXXIV*, Abstract #2841.

2014

- Bodénan, J. D., Starkey, N. A., Russell, S. S., Wright, I. P., & Franchi, I. A. (2014). Large Enrichments in ¹⁶O and Evidence for Multiple Reservoirs in the Protosolar Accretion Disk in a Corundum Bearing CAI. *Lunar and Planetary Science Conference XXXV*, Abstract #2025.
- Chakraborty, S., Jackson, T. L., Muskatel, H. B., Ahmed, M., Rude, B., Levine, R. D., & Thiemens, M. H. (2014). Are Organic Macromolecules in Meteorites Formed Within the Solar System?. *Lunar and Planetary Science Conference XXXV*, Abstract #2452.
- Fujiya, W., Hoppe, P., Ott, U., Meier, M. M. M., & Bochsler, P. (2014). Solar Wind Boron Observed in a Hayabusa Sample and a Gas-Rich Meteorite. *Lunar and Planetary Science Conference XXXV*, Abstract #1802.

- Gonzalez, C. P., Burkett, P. J., Rodriguez, M. C., & Allton, J. H. (2014). Investigation of Backside Textures for Genesis Solar Wind Silicon Collectors. *Lunar and Planetary Science Conference XXXXV*, Abstract #2727.
- Gonzalez, C. P., Goreva, Y. S., Burnett, D. S., Woolum, D., Jurewicz, A. J., Allton, J. H., ... & Burkett, P. J. (2014). Development of Genesis Solar Wind Sample Cleanliness Assessment: Initial Report on Sample 60341 Optical Imagery and Elemental Mapping. *Lunar and Planetary Science Conference XXXXV*, Abstract #2127.
- Goreva, Y. S., Gonzalez, C. P., Kuhlman, K. R., Burnett, D. S., Woolum, D., Jurewicz, A. J., ... & Burkett, P. J. (2014). Genesis Solar Wind Collector Cleaning Assessment: 60366 Sample Case Study. *Lunar and Planetary Science Conference XXXXV*, Abstract #2245.
- Goreva, Y. S., Humanyun, M., Burnett, D. S., Jurewicz, A. J., & Gonzalez, C. P. (2014). ToF-SIMS Investigation of the Effectiveness of Acid-Cleaning procedures for Genesis Solar Wind Collectors. *Lunar and Planetary Science Conference XXXXV*, Abstract #2586.
- Heber, V. S., McKeegan, K. D., Bochsler, P., Duprat, J., & Burnett, D. S. (2014). The elemental composition of solar wind with implications for fractionation processes during solar wind formation. *Lunar and Planetary Science Conference XXXXV*, Abstract #2117.
- Heber, V. S., McKeegan, K. D., Smith, S., Jurewicz, A. J. G., Olinger, C., Burnett, D. S., & Guan, Y. (2014). Accurate Analysis of Shallow Solar Wind Ion Implants by SIMS Backside Depth Profiling. *Lunar and Planetary Science Conference XXXXV*, Abstract #1203.
- Kuhlman, K. R., Schmeling, M., Gonzalez, C. P., Allton, J. H., & Burnett, D. S. (2014). Cellulose Acetate Replica Cleaning Study of Genesis Non-Flight Sample 3CZ00327. *Lunar and Planetary Science Conference XXXXV*, Abstract #2030.
- Meier, M. M. M., Alwmark, C., Bajt, S., Böttger, U., Busemann, H., Fujiya, W., ... & Marone, F. (2014). A Precise Cosmic-Ray Exposure Age for an Olivine Grain from the Surface of Near-Earth Asteroid (25143) Itokawa. *Lunar and Planetary Science Conference XXXXV*, Abstract #1247.
- Murty, S. V. S., & Ranjith Kumar, P. M. (2014). Volume Correlated Solar Noble Gases in Washington County Iron Meteorite. *Lunar and Planetary Science Conference XXXXV*, Abstract #1110.
- Rieck, K. D., Jurewicz, A. J. G., Burnett, D. S., & Hervig, R. L. (2014). Internally standardized measurements of solar wind sodium and potassium in Genesis diamond-like carbon collectors. *Lunar and Planetary Science Conference XXXXV*, Abstract #1758.
- Schmeling, M., Hwang, E., Choi, Y., Eng, P. J., Stubbs, J. E., & Veryovkin, I. V. (2014). Analysis of Genesis Sample 60234 by Laboratory Total Reflection X-ray Fluorescence Spectrometry and Synchrotron Grazing Incidence X-ray Fluorescence. *Lunar and Planetary Science Conference XXXXV*, Abstract #2119.
- Stark, G., Heays, A. N., Lyons, J. R., Smith, P. L., Eidelsberg, M., Federman, S. R., ... & Nahon, L. (2014). High-Resolution Oscillator Strength Measurements of the $\nu' = 0,1$ Bands of the B-X, C-X, and E-X Systems in Five Isotopologues of Carbon Monoxide. *Lunar and Planetary Science Conference XXXXV*, Abstract #1249.

- Veryovkin, I. V., Zinovev, A. V., Tripa, C. E., & Burnett, D. S. (2014). Depth Profiling of Genesis Diamond-on-Silicon Collectors: Direct Comparison Between Front side and Backside Approaches. *Lunar and Planetary Science Conference XXXXV*, Abstract #2795.
- Westphal, A. J., Ogliore, R. C., Huss, G. R., Nakashima, K., & Olinger, C. (2014). Mg Profile Correction in Genesis Si Collectors Using Rastered Ion Imaging. *Lunar and Planetary Science Conference XXXXV*, Abstract #2671.
- Wimmer-Schweingruber, R. F., Berger, L., Köten, M., Bochsler, P., & Gloeckler, G. (2014). The 13C/12C Isotopic Ratio in the Solar Wind. *Lunar and Planetary Science Conference XXXXV*, Abstract #1114.

2015

- Allton, J. H., Kuhlman, K. R., Allums, K. K., Gonzalez, C. P., Jurewicz, A. J. G., Burnett, D. S., & Woolum, D. S. (2015). Genesis Solar Wind Sample 61422: Experiment in Variation of Sequence of Cleaning Solvent for Removing Carbon-Bearing Contamination. *Lunar and Planetary Science Conference XXXXVI*, Abstract #1896.
- Allums, K. K., Gonzalez, C. P., Kuhlman, K. R., & Allton, J. H. (2015). Enhanced Cleaning of Genesis Solar Wind Sample 61348 for Film Residue Removal. *Lunar and Planetary Science Conference XXXXVI*, Abstract #2024.
- GharibNezhad, E., Lyons, J. R., & Ayres, T. R. (2015). CxO (x= 16, 17, 18) Isotopologue Ratios in the Solar Photosphere. *Lunar and Planetary Science Conference XXXXVI*, Abstract #1592.
- Gonzalez, C. P., Allums, K. K., & Allton, J. H. (2015). Genesis Solar Wind Samples: Update of Availability. *Lunar and Planetary Science Conference XXXXVI*, Abstract #1950.
- Goreva, Y. S., Allums, K. K., Gonzalez, C. P., Jurewicz, A. J., Burnett, D. S., Allton, J. H., ... & Woolum, D. (2015). Genesis Solar Wind Collector Cleaning Assessment: Update on 60336 Sample Case Study. *Lunar and Planetary Science Conference XXXXVI*, Abstract #2333.
- Hu, J., Tissot, F. L. H., Ireland, T. J., Yokochi, R., & Dauphas, N. (2015). Developments in PF-HPLC (Pneumatic-Fluoropolymer High Performance Liquid Chromatography). *Lunar and Planetary Science Conference XXXXVI*, Abstract #2939.
- Huss, G. R., Ogliore, R. C., Jurewicz, A. J. G., Burnett, D. S., & Nagashima, K. (2015). Estimate of Solar Wind Hydrogen Fluence from the Genesis Collectors. *Lunar and Planetary Science Conference XXXXVI*, Abstract #2577.
- Meshik, A. P., Pravdivtseva, O. V., Hohenberg, C. M., & Burnett, D. S. (2015). Refined Composition of Solar Wind Xenon Delivered by Genesis: Implication for Primitive Terrestrial Xenon. *Lunar and Planetary Science Conference XXXXVI*, Abstract #2640.
- Schmeling, M., Davidson, J., Eng, P. J., Stubbs, J. E., Jurewicz, A. J. G., & Burnett, D. S. (2015). Grazing Incidence X-ray Fluorescence Measurements of Genesis Sample 30580 for Determination of Manganese and Nickel Fluences. *Lunar and Planetary Science Conference XXXXVI*, Abstract #2238.
- Sharma, M., Jurewicz, A., & Burnett, D. (2015). The Problem with the Estimated Re/Os Ratio of the Solar Nebula. *Lunar and Planetary Science Conference XXXXVI*, Abstract #2361.

- Snead, C. J., McKeegan, K. D., Boehnke, P., & Kearsley, A. T. (2015). Further Oxygen Isotope Measurements for Two Cometary Impact Crater Residues: Still Like Chondrites. *Lunar and Planetary Science Conference XXXXVI*, Abstract #2621.
- Stephan, T., Trappitsch, R., Davis, A. M., Pellin, M. J., Rost, D., Savina, M. R., & Dauphas, N. (2015). Simultaneous Analysis of Strontium, Zirconium, and Barium Isotopes in Presolar Silicon Carbide Grains with CHILI. *Lunar and Planetary Science Conference XXXXVI*, Abstract #2825.
- Waeselmann, N., Humayun, M., Goreva, Y. S., Burnett, D. S., & Jurewicz, A. (2015). Impact of Acid-Cleaning on the Solar Wind Layer of Genesis Flight Wafers---Partial Dissolution and Recovery of the Lithium-6 Implant. *Lunar and Planetary Science Conference XXXXVI*, Abstract #1266.
- Yurimoto, H., Bajo, K., Olinger, C. T., Jurewicz, A. J. G., Sakaguchi, I., Suzuki, T., ... & Burnett, D. S. (2015). In-Situ Depth Profile of Solar Wind Helium from Genesis Diamond-Like Carbon. *Lunar and Planetary Science Conference XXXXVI*, Abstract #1766.

2016

- Allton, J. H., Gonzalez, C. P., & Allums, K. K. (2016). Genesis Solar Wind Science Canister Components Curated as Potential Solar Wind Collectors and Reference Contamination Sources. *Lunar and Planetary Science Conference XXXXVII*, Abstract #1171.
- Boesenberg, J. S., Young, E. D., Kohl, I., & Parman, S. W. (2016). Oxygen Isotopic Exchange Between Carbon Monoxide Gas and Silicate Melt: Implications for the Early Solar Nebula. *Lunar and Planetary Science Conference XXXXVII*, Abstract #2481.
- Goreva, Y. S., Burnett, D. S., Jurewicz, A. J., & Guan, Y. (2016). Using Combination of Near Surface SIMS and ToF-SIMS Depth Profiles as a Success Criteria for Genesis Solar Wind Collector Cleaning. *Lunar and Planetary Science Conference XXXXVII*, Abstract #2253.
- Jurewicz, A. J. G., Rieck, K. D., Wadhwa, M., Burnett, D. S., Hervig, R., Williams, P., ... & Huss, G. R. (2016). New Constraints on SW Mg Isotopes from Understanding Genesis DoS Collectors, with Implications. *Lunar and Planetary Science Conference XXXXVII*, Abstract #2350.
- Koeman-Shields, E. C., Huss, G. R., Ogliore, R. C., Jurewicz, A. J. G., Burnett, D. S., Nagashiima, K., & Olinger, C. T. (2016). Hydrogen Fluence Calculated from Genesis Collectors. *Lunar and Planetary Science Conference XXXXVII*, Abstract #2800.
- Kuhlman, K. R., Kim, H., Jurewicz, A. J. G., Gonzalez, C. P., & Allums, K. K. (2016). Catastrophic Impact of Silicon on Silicon: Unraveling the Genesis Impact Using Sample 61881. *Lunar and Planetary Science Conference XXXXVII*, Abstract #2460.
- Kuhlman, K. R., Schmeling, M., Gonzalez, C. P., Allums, K. K., Allton, J. H., & Burnett, D. S. (2016). Small Particulate Contamination Study of Genesis Flight Sample 61423. *Lunar and Planetary Science Conference XXXXVII*, Abstract #2499.
- Lyons, J. R., Gharib Nezhad, E., & Ayres, T. R. (2016). The Oxygen Isotope Composition of the Solar Photosphere Determined from CO Observations. *Lunar and Planetary Science Conference XXXXVII*, Abstract #2509.

- Rieck, K. D., Jurewicz, A. J. G., Burnett, D. S., Hervig, R. L., Williams, P., & Guan, Y. (2016). Bulk Solar Wind Na and K Measured in Genesis Collectors. *Lunar and Planetary Science Conference XXXXVII*, Abstract #2922.
- Schmeling, M., & Davidson, J. (2016). A Laboratory Based Grazing Incidence X-Ray Fluorescence Instrument to Study Genesis Solar Wind Samples. *Lunar and Planetary Science Conference XXXXVII*, Abstract #1540.
- Sharma, M. (2016). Determination of High Precision Isotope Ratios in Returned Samples Using Multi-Ion Counting. *Lunar and Planetary Science Conference XXXXVII*, Abstract #2679.