

PUBLICATIONS

h-index = 17 (Web-of-Science, as of September 2017)

61 publications found in database

average citations / publication = 60.97

highest citations / item = 973

CURRENTLY UNDER SUBMISSION

Ishii H.A., Bradley J.P., Bechtel H.A., Brownlee D. E., Bustillo K., Ciston J., Cuzzi J. N., Floss C. and Joswiak D. (2017) “Amorphous Silicates and Organic Carbon: The First Bricks and Mortar of the Solar System”, *Proc. National Academy of Sciences*, submitted November 2017.

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Wozniakiewicz P.J., Kearsley A.T., Burchell M.J., Price M.C., Ishii H.A. and Cole M.J. (2018) “Preparation of large Stardust aluminium foil craters for analysis”, *Meteoritics & Planetary Science*, accepted January 19, 2018.

Westphal, A. J., Bridges, J. C., Brownlee, D. E., Butterworth, A. L., De Gregorio, B. T., Dominguez, Z., Flynn, G., Gainsforth, G. J., Ishii, H. A., Joswiak, D., Nittler, L. R., Ogliore, R. C., Pepin, R. O., Palma, R., Stephan, T. and Zolensky, M. E. (2017) “The Future of Stardust Science” *Meteoritics & Planetary Science*, doi: 10.1111/maps.12893

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INVITED PRESENTATIONS

- "Exploring cometary interplanetary dust particles with new "eyes"", keynote address, Extraterrestrial Dust as an Insight into the Early Solar System and Beyond, Goldschmidt 2015, Prague, Czechoslovakia, August 21, 2015.
- "The asteroid-comet continuum from laboratory and space analyses of comet samples and micrometeorites", presented by Cecile Engrand in Focus Meeting "The Asteroid-Comet Continuum" at the International Astronomers Union XXIX General Assembly, Honolulu, HI, August 3-14, 2015.
- "Detection of water and organics in extraterrestrial materials at the nanometer scale", NASA Astrobiology Institute Seminar, University of Hawai'i at Manoa, Honolulu, HI, December 1, 2014.
- "Insight into astrophysical processing of dust from laboratory studies of comet dust", 220th American Astronomical Society Meeting, Meeting-in-Meeting, Anchorage, AL, June 13, 2012, presented by D. Brownlee on my behalf.
- "Coming in from the Cold: Outer Solar System Dust from Comet 81P/Wild 2 and Cometary IDPs", Hawai'i Institute of Geophysics and Planetology, University of Hawai'i at Manoa, Honolulu, HI, September 28, 2011.
- "Determining the Route used to Transport Illicit Nuclear Materials", NNSA's LDRD Symposium on Reducing the Global Danger of Weapons of Mass Destruction, Washington, D.C., June 9, 2010 (presented by M. Lee Davisson).
- "From Curious Kid to Astromaterials Scientist", Stanford Materials Research Society Student Chapter Alumni Career Seminar, Stanford University, Stanford, CA, April 22, 2010.
- "Age-Dating Stardust: Possibilities from Comet Wild 2's Micron-Sized Refractory Particles", Geological and Planetary Sciences Division seminar, California Institute of Technology, Pasadena, CA, March 29, 2010.
- "Comparison of Comet 81P/Wild 2 dust with anhydrous CP IDPs", Timber Cove II: Stardust Science Workshop, Jenner, CA, October 26, 2009.
- "A Taste of Stardust: Comet Surprise", Physics Department Colloquium, University of Nevada, Reno, April 11, 2008.
- "Comet Dust", California APS Meeting 2007, California Nobel Symposium, Berkeley,

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CA, October 26, 2007.

- “Stardust: X-ray Microprobe Applied to Comet Dust”, Workshop on New Opportunities in Imaging and X-ray Microscopy, SSRL and LCLS Users’ Meeting, Menlo Park, CA, October 2007.
- “Wild Ride: Catching the Tail of a Comet”, oral presentation, Glenn T. Seaborg Institute CMLS Summer Internship Seminar Series, Lawrence Livermore National Laboratory, Livermore, CA, August 2007.
- “Comets and the Stardust Mission: What’s in our Solar System’s Freezer?”, a Science on Saturday public lecture aimed at middle school kids for the Science and Technology Education Program, Pleasanton, CA, March 10 2007 and Tracy, CA, November 15, 2008; broadcast on UCTV.
- “Stardust: Ancient Comet Dust in the X-ray Microprobe”, 33rd SSRL Annual Users’ Meeting, Menlo Park, CA, October 2006.
- “Stardust: a Window to the Past in Comet Dust”, presentation to the UC Regents, June 2006 and to the UC Provost, Lawrence Livermore National Laboratory, Livermore, CA September 2006.
- “SuperSTEM and Stardust”, presentation to senior representatives from France’s atomic energy commission, LLNL, Livermore, CA, December 2005.
- “Synchrotron based X-ray microanalysis of IDPs and the prospects for Stardust” CIPS/BayPAC Workshop on Stardust, Berkeley, CA, December 2005.
- “Earth-based laboratory studies of astromaterials”, presentation to the Physics & Advanced Technologies Directorate Review Committee, Lawrence Livermore National Laboratory, Livermore, CA, May 2005.
- “Amorphous alloy structure by anomalous x-ray scattering”, IBM, San Jose, CA, July 2002.
- “Chemically-specific structure of an amorphous Mo-Ge alloy by anomalous x-ray scattering”, Los Alamos National Laboratory, Los Alamos, NM, April 2002.
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OTHER PRESENTATIONS

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- “Stardust comet dust in silico in the SSRL x-ray microprobe”, oral presentation, Stardust Science Workshop 7, Pasadena, CA, November 2006.
- “Ultrasonic (U/S) cutting for rapid aerogel extractions: Techniques for Stardust and future sample return missions”, oral presentation, Stardust Science Workshop 7, Pasadena, CA, November 2006.

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- “X-ray micro-spectroscopy on cosmic dust and source-sampled comet dust”, oral presentation, 2005 PAT Postdoc Symposium, Lawrence Livermore National Laboratory, Livermore, CA, December 2005.
- “Hard x-ray spectro-microscopy on astromaterials”, poster presentation, 32nd Annual SSRL Users’ Meeting, Stanford, CA, October 2005.
- "Partial pair distribution functions obtained without regularization from a-MoGe₃ by anomalous x-ray scattering", oral presentation, American Physical Society March Meeting, Indianapolis, IN, March 2002.
- "Improved partials by AXS from amorphous molybdenum-germanium alloys", poster, International Conference on Amorphous and Microcrystalline Semiconductors, Nice, France, August 2001.
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- "Suppression of electric field-induced instabilities in chiral smectics cross-linked by a polymer network", poster, 16th International Liquid Crystal Conference, Kent, OH, June 1996.
- "Suppression of field-induced rotational instabilities in chiral smectic LC", oral presentation, Copernicus Programme Meeting, Ljubljana, Slovenia, November 1995.