

Carlos A. Alvarez Zarikian

Associated Research Scientist / Staff Scientist
International Ocean Discovery Program - Texas A&M University
1000 Discovery Dr., College Station, TX 77845 USA
Office Phone: +1 (979) 845-2522 | Email: zarikian@iodp.tamu.edu
<https://orcid.org/0000-0002-3785-3336>

Professional Preparation

2003, Ph.D., Marine Geology, University of Miami - Rosenstiel School of Marine and Atmospheric Science
Dissertation title: Ostracods, stable isotopes and the paleoecological reconstruction of coastal and lacustrine environments in South Florida over decadal and millennial time scale
1998, M.S., Marine Geology, University of Miami / Rosenstiel School of Marine and Atmospheric Science
Thesis title: Ostracod assemblages from the Louisiana inner-continental shelf: spatial and temporal trends and paleoecological implications
1993, B.S., Geological Sciences, minor in Marine Science, University of Miami
1990, Tech. degree, Geological Oceanography, minor in Aquaculture, Instituto Universitario de Tecnología del Mar, Fundación La Salle de Ciencias Naturales

Appointments

2004 to present: Expedition Project Manager/Staff Scientist, International Ocean Discovery Program (IODP), Texas A&M University, College Station, Texas
2016 to present: Associated Research Scientist, Texas A&M University, College Station, Texas
2004 to 2016: Assistant Research Scientist, Texas A&M University, College Station, Texas
2007 (Dec) to present: Adjunct Faculty, Department of Oceanography, Texas A&M University, College Station, Texas
Dec 2003 – Oct 2004: Postdoctoral Research Associate, U.S. Geological Survey, Water Resources Division, Miami, Florida
1990 to 1991: Geology Technician, LAGOVEN (former subsidiary of PDVSA, Venezuelan National Oil Industry) Caracas, Venezuela

Other activities

1997-2009, Research Associate, Helike Archaeological Project, Greece
2002, Summer Internship, U.S. Geological Survey, Water Resources Division, Miami, Florida
1994-2003, Research Assistant, Rosenstiel School of Marine and Atmospheric Science, University of Miami
2000-2003, Teaching Assistant, Rosenstiel School of Marine and Atmospheric Science, University of Miami
1989, Internship (Biostratigraphy), INTEVEP (Technological Institute Venezuelan National Oil Industry) Los Teques, Venezuela

Teaching experience

Texas A&M University (2009-2022)

Co-Instructor: GEOL-101, First Year Experience (FYEX) – Science Below the Sea, Texas A&M University, Spring 2021

Undergraduate Research Mentor (GEOL/GEOP 491), Texas A&M University, 2009-2022.

- Mentor, advise, and oversee student research projects.

Co-Instructor, Geosciences First Year Undergraduate Seminar 'Ocean Acidification', TAMU, Fall 2015

- Lectures, trip to IODP core repository

Co-Instructor, GEOS 405 Environmental Geosciences (a research project-based class), Texas A&M University, Spring 2018

- Interdisciplinary paleoceanographic and paleoenvironmental studies based on sediments and data collected on IODP expeditions
- Lectures, trip to IODP core repository, mentor, advise, and oversee student research projects
- Facilitate design and implementation of hypothesis driven research projects based on your acquisition of data in the field, the laboratory, and/or publicly available datasets.

Graduate Research Advisor:

- Ph.D. Committee member for Kieron Prince (Geology & Geophysics, Texas A&M University, 2016-2020), and Robet Widodo (Geology & Geophysics, Texas A&M University, 2016-2017)
- M.S. Thesis Committee Member for Jacob Bayer (Geology & Geophysics, Texas A&M University, 2015-2016) and Meaghan Julian (Geology & Geophysics, Texas A&M University, 2007-2008).
- M.S. Thesis Committee member and research advisor for Amanda J. Ulincy (Geology & Geophysics, Texas A&M University, 2010-2015). Mrs. Ulincy was awarded the prestigious Ocean Drilling and Sustainable Earth Sciences (ODASES) fellowship from TAMU College of Geosciences for the fall academic semester 2012.

University of Miami

Teaching Assistant: Undergraduate courses: *Introduction to Oceanography* (Spring 2003), *Introduction to Marine Science* (1999-2001); Graduate course of *Carbonate Petrology* (Fall 2002).

Recognition

New species of fossil ostracods named after me:

- *Rugocythereis zarikiani* (Yasuhara et al., 2013 [Palaeontology, Vol. 56, Part 5, 2013, pp. 1045–1080; doi: 10.1111/pala.12035])
- *Hemiparacytheridea zarikiani* (Yasuhara et al., 2021 [Journal of Paleontology, Volume 95, Memoir 86, 2021, p. 1–41; doi: 10.1017/jpa.2021.52]).

Invited Keynote Speaker, 17th International Symposium on Ostracoda, Rome, Italy (July 2013)

Member of the Scientific Committee for the 17th International Symposium on Ostracoda, University of Roma Tre, Rome, Italy (July 23rd -26th, 2013)

Invited Speaker (2003), Texas A&M University, College Station, Texas

Outstanding Student of the Year (2002) Division of Marine Geology and Geophysics, RSMAS, University of Miami

Invited Speaker (2002) Seminar Series, Dept. of Geology, University of Florida, Gainesville, Florida

Bader Memorial Fund Award for outstanding student research (2001) RSMAS, University of Miami

Invited Speaker (2001) Miami Geological Society, Florida

Invited Speaker (2000) 3rd International Conference on Ancient Helike and Aigialeia, Diakopto, Greece

Expedition project management

Project Manager, IODP Expedition 397: Iberian Margin Paleoclimate

Project Manager, IODP Expedition 396: Mid-Norwegian Continental Margin Magmatism

Project Manager, IODP Expedition 383: Dynamics of the Pacific Antarctic Circumpolar Current

Project Manager, IODP Expedition 368: South China Sea Rifted Margin

Project Manager, IODP Expedition 359: Maldives Monsoon & Sea Level

Project Manager, IODP Expedition 346: Asian Monsoon

Project Manager, IODP Expedition 339: Mediterranean Outflow

Project Manager, IODP Expedition 329: South Pacific Gyre Microbiology

Project Manager, IODP Expedition 323: Bering Sea Paleoceanography

Project Manager, IODP Expedition 306: North Atlantic Climates II

Seagoing experience

Expedition Project Manager/Staff Scientist, R/V JOIDES Resolution, IODP Expedition 397: Iberian Margin Paleoclimate (Lisbon to Tarragona), 11 October-11 December 2022

Expedition Project Manager/Staff Scientist, R/V JOIDES Resolution, IODP Expedition 396: Mid-Norwegian Continental Margin Magmatism (Reykjavik to Reykjavik, Iceland), August-October 2021

Expedition Project Manager/Staff Scientist, R/V JOIDES Resolution, IODP Expedition 383: Dynamics of the Pacific Circumpolar Current (Punta Arenas to Punta Arenas, Chile), May-July 2019

Expedition Project Manager/Staff Scientist, R/V JOIDES Resolution, IODP Expedition 368: South China Sea Rifted Margin (Hong Kong to Shanghai, China), April-June 2017

Expedition Project Manager/Staff Scientist, R/V JOIDES Resolution, IODP Expedition 359: Maldives Monsoon and Sea Level (Darwin, Australia, to Colombo, Sri Lanka), October-November 2015

Expedition Project Manager/Staff Scientist, R/V JOIDES Resolution, IODP Expedition 346: Asian Monsoon (Valdez, Alaska, to Busan, Korea), August-September 2013

Expedition Project Manager/Staff Scientist, R/V JOIDES Resolution, IODP Expedition 339: Mediterranean Outflow (Ponta Delgada, Azores, to Lisbon, Portugal), November 2011-January 2012

Expedition Project Manager/Staff Scientist, R/V JOIDES Resolution, IODP Expedition 329: South Pacific Gyre Microbiology (Papeete, Tahiti to Auckland, New Zealand), October-December 2010

Expedition Project Manager/Staff Scientist, R/V JOIDES Resolution, IODP Expedition 323: Bering Sea Paleoceanography (Victoria, B.C., Canada to Yokohama, Japan), July-September 2009

Staff Scientist, R/V JOIDES Resolution, IODP Expedition 320T: Sea trials and transit (Singapore-Guam-Honolulu), January-February 2009

Expedition Project Manager/Staff Scientist, R/V JOIDES Resolution, IODP Expedition 306: North Atlantic Climates II (Ponta Delgada, Azores to Dublin, Ireland), March-April 2005

Scientist, R/V Melville, Vancouver 24 Expedition, MARGINS Source to Sink Program, Gulf of Papua New Guinea: Cairns (Australia) to Port Moresby (Papua New Guinea) to Cairns (Australia), March-April 2004

Scientist, R/V Marion Dufresne, IMAGES-PICASSO Expedition, Cariaco Basin and Gulf of Mexico coring, Port of Spain, Trinidad, to Miami, U.S.A., May 2003

Guest Scientist, Explorer of the Seas (Royal Caribbean International), University of Miami's Rosenstiel Oceanographic and Atmospheric Science shipboard laboratory, 1 week in 2003

Scientist, R/V Walton Smith, Marco Island, Florida Keys, 1 week in 2002.

Synergistic activities

Scientific Committee Member for the 17th International Symposium on Ostracoda, Rome, Italy (July 23-26, 2013)

Guest editor for Palaeogeography, Palaeoclimatology, Palaeoecology (2014)

Reviewer of peer reviewed manuscripts for Geology; Paleoceanography; Palaeogeography, Palaeoclimatology, Palaeoecology, Journal of Micropalaeontology; Lethaia; Revue de Micropaléontologie; Quaternary International, Estuaries and Coasts; Limnology & Oceanography

Grant proposal reviewer: German Research Foundation (2009)

Guest Lecturer, Spring 2012 Mini-Camp: Adventures in Oceanography: Exploring the Deep Blue Sea, at the Brazos Valley Museum of Natural History.

Guest Lecturer, Earth Science Day at Cypress Grove Intermediate School, College Station, Texas (2006, 2008, 2010).

Member, Joint Outreach, Education, Public Relations Team (JREPORT), U.S. Implementing Organization, Integrated Ocean Drilling Program, 2008-2010.

Science Judge, National Ocean Science Bowl finals at Texas A&M Univ. at Galveston, 2011.

Search committee member, Integrated Ocean Drilling Program (IODP)-USIO Director, 2009.

Search committee member, IODP Supervisor Science Support, 2007
Guest Scientist, BBC Horizon science documentary: “Helike - the Real Atlantis” (aired Jan, 2002)
Secretary, University of Miami, Marine Science Graduate Student Organization, 2000-2001.

Research grants

Bottom water ventilation and dynamics of the Antarctic Circumpolar Current in the South Pacific – an ostracod approach. US Science Support Program/LDEO grant. \$15,000 (2020 through Dec 31, 2021)
Eocene to Miocene environmental reconstruction of the northern South China Sea. US Science Support Program/LDEO grant. \$15,000 (Dec 1, 2017 through Nov 30, 2019)
Paleoenvironmental reconstruction of the Maldives and central Indian Ocean (OMZ and bottom water conditions) based on Ostracods and Foraminifers. US Science Support Program/LDEO grant. \$15,000
Ostracod variability during the last glacial cycle (Marine Isotope Stages 1-2) and interglacials MIS 5, MIS 9, and MIS 11 and their linkages to bottom water ventilation and climate variability in the East China Sea and the Japan Sea. Consortium for Ocean Leadership/U.S. Science Support Program grant: \$15,000 (2014-2015)
Variability in the Mediterranean Outflow Water (MOW) circulation since the late Miocene and its effects on ostracod assemblages around the Iberian Margin. Principal Investigator. Consortium for Ocean Leadership/U.S. Science Support Program grant: \$15,000 (June 2012-June 2014).
Variability of deep-water masses in the South Pacific Gyre and biostratigraphy of Expedition 329 sites. Principal Investigator. Consortium for Ocean Leadership/U.S. Science Support Program grant: \$14,944 (July 2011-Dec 2012).
Expedition 323 Collaborative Research on the Paleoceanography of the Bering Sea. Principal Investigator. NSF Award OCE-0963366: \$45,398 (Jan 2010-Dec 2012)
Glacial–interglacial variability in intermediate- and deep-water conditions in the Bering Sea during MIS 9-12 based on carbon and oxygen isotopes and benthic foraminifer assemblages from sites cored during IODP Expedition 323. Principal Investigator. Consortium for Ocean Leadership/U.S. Science Support Program grant: \$15,000 (Feb 2010-Jul 2012).
Deep ocean ostracod assemblages from the North Atlantic as indicators of paleoceanographic changes during the late Cenozoic. Principal Investigator. U.S. Science Support Program/JOI/NSF \$17,406. (Sep 2005-Dec 2008.)
Non-destructive High-Resolution CT-scanning of a Crocodylian-bearing Vertebrate Fossil-Lagerstätte from a 110 Ma Mid-Pacific Drowned Atoll, ODP Site 865. NSF \$6,136; Co-PI.

Professional development & training

Time Management, by the American Management Association, New York. July 2014
Voice of Leadership, by the American Management Association, Atlanta, Georgia, Credits 18 PDU/1.8 CEU. June 2011.
Project Management Fundamental, by St. Edward’s University Professional Education Center (CEUs: .16), March 2011
Improving Your Project Management Skills: The Basics for Success, by the American Management Association, Dallas, Texas, 2007

Peer-reviewed publications (as leading author) (Nov 2022)

Alvarez Zarikian, Carlos A., Nadiri, C., Alonso-García, M., Rodrigues, T., Huang, H-H.M., Lindhorst, S., Kunkelova, T., Kroon, D., Betzler, C., Yasuhara, M., 2022. Ostracod response to monsoon and OMZ variability over the past 1.2 Myr. *Marine Micropaleontology*, Volume 174, 2022, 102105, ISSN 0377-8398, <https://doi.org/10.1016/j.marmicro.2022.102105>.

- Alvarez Zarikian, C.A., 2016. Pleistocene Deep-sea ostracods from the Bering Sea (IODP Expedition 323), Deep Sea Research Part II: Topical Studies in Oceanography, Vol. 125-126, pages 96-106. ISSN 0967-0645, doi: 10.1016/j.dsr2.2014.05.010
- Alvarez Zarikian, C.A., 2015. Cenozoic bathyal and abyssal ostracods beneath the oligotrophic South Pacific Gyre (IODP Expedition 329 Sites U1367, U1368 and U1370). *Palaeogeography Palaeoclimatology Palaeoecology*, Vol. 419: 115-142. DOI: 10.1016/j.palaeo.2014.07.024
- Alvarez Zarikian, C.A., A.J. Ulincy, A. Yu. Stepanova, J. Grützner. 2011. Deep sea ostracods from the subpolar North Atlantic (IODP Site U1314) during the last 300,000 years. *Joannea Geologie und Paläontologie* 11:15-17
- Alvarez Zarikian, C. A., Stepanova, A.Y., and Grützner, J. 2009. Glacial-interglacial variability in deep sea ostracod assemblage composition at IODP Site U1314 in the subpolar North Atlantic, *Marine Geology*, 258: 69-87, doi: 10.1016/j.margeo.2008.11.009
- Alvarez Zarikian, C.A., 2009. Data report: Late Quaternary Ostracodes at IODP Site U1314 (North Atlantic Ocean). In Channell, J.E.T., Kanamatsu, T., Sato, T., Stein, R., Alvarez Zarikian, C.A., Malone, M.J., and the Expedition 303/306 Scientists, Proc. IODP, 303/306: College Station, TX (Integrated Ocean Drilling Program Management International, Inc.). doi:10.2204/iodp.proc.303306.213.2009
- Alvarez-Zarikian, C.A., S. Soter, and D. Katsonopoulou, 2008. Recurrent submergence and uplift in the area of ancient Helike, Gulf of Corinth, Greece: microfaunal and archaeological evidence. *Journal of Coastal Research*: 1, supplement: 110 – 125. doi: <http://dx.doi.org/10.2112/05-0454.1>
- Alvarez Zarikian, C.A., Swart, P.K., Gifford, J.A. and Blackwelder, P.L. 2005. Holocene paleohydrology of Little Salt Spring, Florida, based on ostracod assemblages and stable isotopes. *Palaeogeogr., Palaeoecol., Palaeoclimatol*, 225, 134-156, doi:10.1016/j.palaeo.2004.01.023
- Alvarez Zarikian, C.A., S. Soter, D. Katsonopoulou, P. Blackwelder, T. Hood. 2005. Microfaunal evidence for paleoenvironments of the Helike delta. In “Ancient Helike and Aigialeia, Archaeological Sites in Geologically Active Regions, Helike III” (Eds. D. Katsonopoulou, S. Soter and I.K. Koukouvelas), Athens: Helike Society, pp. 183-197.
- Alvarez Zarikian, C.A., Swart, P.K., Hood, T., Blackwelder, P.L., Nelsen, T.A., and Featherstone, C. 2001. A century of environmental variability in Oyster Bay using ostracode ecological and isotopic data as paleoenvironmental tools. In: Wardlaw, B. R. (Ed.), *Paleoecological studies of South Florida*. *Bulletins of American Paleontology*, 361, 133-143. ISSN 0007-5779, ISBN 0-87710-453-0
- Alvarez Zarikian, C.A., Blackwelder, P.L., Hood, T., Nelsen, T.A., and Featherstone, C. 2000. Ostracodes as indicators of natural and anthropogenically-induced changes in coastal marine ecosystems. *Proceedings, The Coastal Society Conference: Coast at the Millennium*, Portland, Oregon, 896-905.

Peer-reviewed publications (as co-author)

- Barik, S.S., R.K. Singh, S.M. Hussain, S. Tripathy, C.A. Alvarez Zarikian, 2021. Spatial and seasonal distribution of Ostracoda in a lagoonal environment along the northeastern coast of India: Implications to assess coastal ecology and paleoenvironment. *Marine Micropaleontology*, Volume 174, 2022, 102082, ISSN 0377-8398, <https://doi.org/10.1016/j.marmicro.2021.102082>.
- Dunlea, A. G., Murray, R. W., Tada, R., Alvarez-Zarikian, C. A., Anderson, C. H., Gilli, A., Giosan, L., Gorgas, T., Hennekam, R., Irino, T., Murayama, M., Peterson, L.C. Reichart, G-J., Seki, A., Zheng, H., Ziegler, M., 2020. Intercomparison of XRF core scanning results from seven labs and approaches to practical calibration. *Geochemistry, Geophysics, Geosystems*, 21, e2020GC009248. <https://doi.org/10.1029/2020GC009248>
- Lanci, L., Zanella, E., Jovane, L., Galeotti, S., Alonso-García, M., Alvarez-Zarikian, C.A., Nath Bejugam, N., Betzler, C., Bialik, O.M., Blättler, C.L., Eberli, G.P., Guo, J.A., Haffen, S., Horozal, S., Inoue, M., Kroon, D., Laya, J.C., Ling Hui Mee, A., Lüdmann, T., Nakakuni, M., Niino, K., Petruny, L.M., Pratiwi, S.D., Reijmer, J.J.G., Reolid, J., Slagle, A.L., Sloss, C.R., Su, X., Swart, P.K., Wright, J.D., Yao, Z., Young, J.R. 2019. Dataset of characteristic remanent magnetization and magnetic properties of early Pliocene sediments from

- IODP Site U1467 (Maldives platform). Data in Brief, Vol. 27, 104666, ISSN 2352-3409, <https://doi.org/10.1016/j.dib.2019.104666>
- Alonso-Garcia, M., T. Rodrigues, F. Abrantes, M. Padilha, C.A. Alvarez-Zarikian, T. Kunkelova, J.D. Wright, C. Betzler, 2019. Sea-surface temperature, productivity and hydrological changes in the Northern Indian Ocean (Maldives) during the interval ~575-175 ka (MIS 14 to 7), *Palaeogeography, Palaeoclimatology, Palaeoecology*, Volume 536, 109376, ISSN 0031-0182, <https://doi.org/10.1016/j.palaeo.2019.109376>.
- Lanci, L., E. Zanella, L. Jovane, S. Galeotti, M. Alonso-García, C.A. Alvarez-Zarikian, N. Nath Bejugam, C. Betzler, O.M. Bialik, C.L. Blättler, G.P. Eberli, J. A. Guo, S. Haffen, S. Horozal, M. Inoue, D. Kroon, J.C. Laya, A. Ling Hui Mee, T. Lüdmann, M. Nakakuni, K. Niino, L.M. Petruny, S.D. Pratiwi, J.J.G. Reijmer, J. Reolid, A.L. Slagle, C.R. Sloss, X. Su, P.K. Swart, J.D. Wright, Z. Yao, J.R. Young, 2019. Magnetic properties of early Pliocene sediments from IODP Site U1467 (Maldives platform) reveal changes in the monsoon system, *Palaeogeography, Palaeoclimatology, Palaeoecology*, Volume 533, 109283, ISSN 0031-0182, <https://doi.org/10.1016/j.palaeo.2019.109283>.
- Swart, P.K., C.L. Blättler, M. Nakakuni, G.J. Mackenzie, C. Betzler, G.P. Eberli, J. Reolid, M. Alonso-García, A.L. Slagle, J.D. Wright, D. Kroon, J.J.G. Reijmer, A.L. Hui Me, J.R. Young, C. A. Alvarez-Zarikian, O.M. Bialik, J. A. Guo, S. Haffen, S. Horozal, M. Inoue, L. Jovane, L. Lanci, J.C. Laya, T. Lüdmann, B. N.Nath, K. Niino, L.M. Petruny, S. Dwi Pratiwi, X. Su, C.R. Sloss, Z. Yao. 2019. Cyclic anoxia and organic rich carbonate sediments within a drowned carbonate platform linked to Antarctic ice volume changes: Late Oligocene-early Miocene Maldives. *Earth and Planetary Science Letters* 521: 1–13. <https://doi.org/10.1016/j.epsl.2019.05.019>
- Kunkelova, T., Jung, S.J.A., de Leau, E.S., Odling, N., Thomas, A.L., Betzler, C., Eberli, G.P., Alvarez-Zarikian, C.A., Alonso-García, M., Bialik, O.M., Blättler, C.L., Guo, J.A., Haffen, S., Horozal, S., Inoue, M., Jovane, L., Kroon, D., Lanci, L., Laya, J.C., Hui Mee, A.L., Nakakuni, M., Nath, B.N., Niino, K., Petruny, L.M., Pratiwi, S.D., Slagle, A.L., Su, X., Swart, P.K., Wright, J.D., Yao, Z., Young, J.R, Lindhorst, S., Stainbank, S., Rueggeberg, A., Spezzaferri, S., Carrasqueira, I., Hu, S., Kroon, D., 2018. A two-million-year record of low-latitude aridity linked to continental weathering from the Maldives. *Progress in Earth and Planetary Science*, 5:86; <https://doi.org/10.1186/s40645-018-0238-x>
- Larsen, H. C., Mohn, G., Nirrengarten, M., Sun, Z., Stock, J., Jian, Z., Klaus, A., Alvarez Zarikian, C. A., Boaga, J., Bowden, S. A., Briaes, A., Chen, Y., Cukur, D., Dadd, K., Ding, W., Dorais, M., Ferré, E. C., Ferreira, F., Furusawa, A., Gewecke, A., Hinojosa, J., Höfig, T. W., Hsiung, K. H., Huang, B., Huang, E., Huang, X. L., Jiang, S., Jin, H., Johnson, B. G., Kurzawski, R. M., Lei, C., Li, B., Li, L., Li, Y., Lin, J., Liu, C., Liu, C., Liu, Z., Luna, A. J., Lupi, C., McCarthy, A., Ningthoujam, L., Osono, N., Peate, D. W., Persaud, P., Qiu, N., Robinson, C., Satolli, S., Sauerlich, I., Schindlbeck, J. C., Skinner, S., Straub, S., Su, X., Su, C., Tian, L., van der Zwan, F. M., Wan, S., Wu, H., Xiang, R., Yadav, R., Yi, L., Yu, P. S., Zhang, C., Zhang, J., Zhang, Y., Zhao, N., Zhong, G., Zhong, L., 2018. Rapid transition from continental breakup to igneous oceanic crust in the South China Sea. *Nature Geoscience*, 11(10): 782-789, 1752-0908; DOI: 10.1038/s41561-018-0198-1
- Lüdmann, T., Betzler, C., Eberli, G.P., Reolid, J., Reijmer, J.J.G., Sloss, C.R., Bialik, O.M., Alvarez-Zarikian, C.A., Alonso-García, M., Blättler, C.L., Guo, J.A., Haffen, S., Horozal, S., Inoue, M., Jovane, L., Kroon, D., Lanci, L., Laya, J.C., Hui Mee, A.L., Nakakuni, M., Nath, B.N., Niino, K., Petruny, L.M., Pratiwi, S.D., Slagle, A.L., Su, X., Swart, P.K., Wright, J.D., Yao, Z., Young, J.R. 2018. Corrigendum to “Carbonate delta drift: A new sediment drift type” [*Mar. Geol.* 401 (2018) 98–111], Volume 406, 1 December 2018, Pages 214-215.
- Huang, H. M., Yasuhara, M., Iwatani, H., Alvarez Zarikian, C. A., Bassetti, M. and Sagawa, T. 2018. Benthic Biotic Response to Climate Changes Over the Last 700,000 Years in a Deep Marginal Sea: Impacts of Deoxygenation and the Mid-Brunhes Event. *Paleoceanography and Paleoclimatology*, 33: 766-777. doi:10.1029/2018PA003343
- Gallagher, S.J., T. Sagawa, A. Henderson, M. Saavedra-Pellitero, D. de Vleeschouwer, H. Black, T. Itaki, S. Toucanne, M.-A. Bassetti, S. Clemens, W. Anderson, C. Alvarez-Zarikian, R. Tada, R. Murray. 2018. East

- Asian monsoon history and paleoceanography of the Japan Sea over the last 460,000 years. *Paleoceanography and Paleoclimatology*, 33. <https://doi.org/10.1029/2018PA003331>
- Lüdmann, T., C. Betzler, G.P. Eberli, J. Reolid, J.J.G. Reijmer, C.R. Sloss, O.M. Bialik, C.A. Alvarez-Zarikian, M. Alonso-García, C.L. Blättler, J.A. Guo, S. Haffen, S. Horozal, M. Inoue, L. Jovane, D. Kroon, L. Lanci, J.C. Laya, A. Ling Hui Mee, M. Nakakuni, B.N. Nath, K. Niino, L.M. Petruny, S.D. Pratiwi, A.L. Slagle, X. Su, P.K. Swart, J.D. Wright, Z. Yao, J.R. Young, 2018. Carbonate delta drift: A new sediment drift type, *Marine Geology*, Vol. 401, 98-111, ISSN 0025-3227, DOI: 10.1016/j.margeo.2018.04.011
- Tada, R., T. Irino, K. Ikehara, A. Karasuda, S. Sugisaki, C. Xuan, T. Sagawa, T. Itaki, Y. Kubota, S. Lu, A. Seki, R.W. Murray, C. Alvarez-Zarikian, W.T. Anderson Jr, M.-A. Bassetti, B.J. Brace, S.C. Clemens, M.H. da Costa Gurgel, G.R. Dickens, A.G. Dunlea, S.J. Gallagher, L. Giosan, A.C. G. Henderson, A.E. Holbourn, C.W. Kinsley, G.S. Lee, K.E. Lee, J. Lofi, C.I.C.D. Lopes, M. Saavedra-Pellitero, L.C. Peterson, R.K. Singh, S. Toucanne, S. Wan, H. Zheng and M. Ziegler, 2018. High-resolution and high-precision correlation of dark and light layers in the Quaternary hemipelagic sediments of the Japan Sea recovered during IODP Expedition 346. *Prog Earth Planet Sci* 5, 19 (2018). <https://doi.org/10.1186/s40645-018-0167-8>
- Betzler, C., G. P. Eberli, T. Lüdmann, J. Reolid, D. Kroon, J. J. G. Reijmer, P. K. Swart, J. Wright, J. R. Young, C. Alvarez-Zarikian, M. Alonso-García, O. M. Bialik, C. L. Blättler, J. A. Guo, S. Haffen, S. Horozal, M. Inoue, L. Jovane, L. Lanci, J. C. Laya, A. L. Hui Mee, M. Nakakuni, B. N. Nath, K. Niino, L. M. Petruny, S. D. Pratiwi, A. L. Slagle, C. R. Sloss, X. Su and Z. Yao, 2018. Refinement of Miocene sea level and monsoon events from the sedimentary archive of the Maldives (Indian Ocean); *Progress in Earth and Planetary Science* 2018 5:5; <https://doi.org/10.1186/s40645-018-0165-x>
- Black, H.D., Anderson, W.T., and Alvarez Zarikian, C.A., 2018. Data report: organic matter, carbonate, and stable isotope stratigraphy from IODP Expedition 346 Sites U1426, U1427, and U1429. In Tada, R., Murray, R.W., Alvarez Zarikian, C.A., and the Expedition 346 Scientists, *Proceedings of the Integrated Ocean Drilling Program, 346: College Station, TX (Integrated Ocean Drilling Program)*. doi:10.2204/iodp.proc.346.204.2018
- García-Gallardo, Á., P. Grunert, M. van der Schee, F.J. Sierro, F.J. Jiménez-Espejo, C.A. Alvarez Zarikian, W.E. Piller. 2017. Benthic foraminifera-based reconstruction of the first Mediterranean-Atlantic exchange in the early Pliocene Gulf of Cadiz. *Palaeogeography, Palaeoclimatology, Palaeoecology*, v.472, 93–107 (2017), doi: 10.1016/j.palaeo.2017.02.009
- Balestra, B., Grunert, P., Ausin, B., Hodell, D., Flores, J.-A., Alvarez-Zarikian, C.A., Hernandez-Molina, F.J., Stow, D., Piller, W.E., Paytan, A., 2017. Coccolithophore and benthic foraminifera distribution patterns in the Gulf of Cadiz and western Iberian margin during Integrated Ocean drilling program (IODP) Expedition 339, *Journal of Marine Systems*, vol. 170, 50-67; doi: 10.1016/j.jmarsys.2017.01.005
- Asahi, H., S. Kender, M. Ikehara, T. Sakamoto, K. Takahashi, A.C. Ravelo, C.A. Alvarez Zarikian, B.K. Khim, M.J. Leng, 2016. Orbital-scale benthic foraminiferal oxygen isotope stratigraphy at the northern Bering Sea Slope. *Deep-Sea Res. II*, Vol 125-126, pages 66-83, doi: 10.1016/j.dsr2.2014.01.004ij
- Betzler, C., G.P. Eberli, D. Kroon, J.D. Wright, P.K. Swart, B. Nagender Nath, C.A. Alvarez-Zarikian, M. Alonso-García, O.M. Bialik, C.L. Blättler, J. Adam Guo, S. Haffen, S. Horozal, M. Inoue, L. Jovane, L. Lanci, J.C. Laya, A. Ling Hui Mee, T. Lüdmann, M. Nakakuni, K. Niino, L.M. Petruny, S.D. Pratiwi, J.J.G. Reijmer, J. Reolid, A.L. Slagle, C.R. Sloss, X. Su, Z. Yao, J.R. Young. 2016, The abrupt onset of the modern South Asian Monsoon winds. *Scientific Reports* 07/2016; 6. doi: 10.1038/srep29838
- Ducassou, E., L. Fournier, F.J. Sierro, C.A. Alvarez Zarikian, J. Lofi, J.A. Flores, C. Roque, (2016) Origin of the large Pliocene and Pleistocene debris flows on the Algarve margin, *Marine Geology*, 377: 58-76. ISSN 0025-3227, <http://dx.doi.org/10.1016/j.margeo.2015.08.018>.
- Engel, M., Jacobson, K., Boldt, K., Frenzel, P., Katsonopoulou, D., Soter, S., Alvarez Zarikian, C. A. and Brückner, H. (2016), New Sediment Cores Reveal Environmental Changes Driven by Tectonic Processes at Ancient Helike, Greece. *Geoarchaeology*. doi: 10.1002/gea.21540

- Hernández-Molina, F. J., D.A. Hodell, D.A.V. Stow, C. Alvarez-Zarikian, 2016. Virtual special issue on IODP Expedition 339: The Mediterranean outflow. *Marine Geology* 07/2016; 377:1-6.
DOI:10.1016/j.margeo.2016.05.009
- Okazaki, Y., Ulincy, A.J., Alvarez Zarikian, C.A., and Asahi, H., 2016. Data report: benthic foraminiferal stable isotope records at Site U1344, Integrated Ocean Drilling Program Expedition 323. In Takahashi, K., Ravelo, A.C., Alvarez Zarikian, C.A., and the Expedition 323 Scientists, *Proceedings of the Integrated Ocean Drilling Program, 323: Tokyo* (Integrated Ocean Drilling Program Management International, Inc.). doi:10.2204/iodp.proc.323.203.2016
- Pierre, C., M-M Blanc-Valleron, S. Caquineau, C. März, A.C. Ravelo, K. Takahashi, C. Alvarez Zarikian, 2016. Mineralogical, geochemical and isotopic characterization of authigenic carbonates from the methane-bearing sediments of the Bering Sea. *Deep-Sea Res. II*, vol. 125-126, p. 133-144.
[<http://dx.doi.org/10.1016/j.dsr2.2014.03.011i>]
- Takashimizu, Y., R. Kawamura, F.J. Rodriguez-Tovar, J. Dorador, E. Ducassou, F.J. Hernandez-Molina, D.A.V. Stow, and C.A. Alvarez Zarikian. 2016. Reworked tsunami deposits by bottom currents: Circumstantial evidences from Late Pleistocene to Early Holocene in the Gulf of Cádiz, *Marine Geology*, 377: 95-109; <http://dx.doi.org/10.1016/j.margeo.2015.09.009>
- Cortese, G., and Alvarez Zarikian, C.A., 2015. Data report: radiolarian occurrences at IODP Expedition 329 Site U1371. In D'Hondt, S., Inagaki, F., Alvarez Zarikian, C.A., and the Expedition 329 Scientists, *Proc. IODP, 329: Tokyo* (Integrated Ocean Drilling Program Management International, Inc.)
doi:10.2204/iodp.proc.329.202.2015
- D'Hondt, S., F. Inagaki, C. Alvarez Zarikian, L. J. Abrams, N. Dubois, T. Engelhardt, H. Evans, T. Ferdelman, B. Gribsholt, R. N. Harris, B. W. Hoppie, J-H. Hyun, J. Kallmeyer, J. Kim, J. E. Lynch, C. C. McKinley, S. Mitsunobu, Y. Morono, R. W. Murray, R. Pockalny, J. Sauvage, T. Shimono, F. Shiraiishi, D. C. Smith, C. E. Smith-Duque, A. J. Spivack, B. O. Steinsbu, Y. Suzuki, M. Szpak, L. Toffin, G. Uramoto, Y. T. Yamaguchi, G. I. Zhang, X-H. Zhang, W. Ziebis. 2015. Presence of oxygen and aerobic communities from sea floor to basement in deep-sea sediments. *Nature Geoscience*, published online: 16 March 2015, DOI: 10.1038/NGEO2387.
- Gliozzi, E., N. Pugliese, C. Alvarez Zarikian. 2015. Ostracoda as proxies for paleoenvironmental changes, *Palaeogeography, Palaeoclimatology, Palaeoecology*, Volume 419, ISSN 0031-0182, <http://dx.doi.org/10.1016/j.palaeo.2014.11.014>.
- Hodell, D., L. Lourens, S. Crowhurst, T. Konijnendijk, R. Tjallingii, F. Jiménez-Espejo, L. Skinner, P.C. Tzedakis, F. Abrantes, G.D. Acton, C.A. Alvarez Zarikian, A. Bahr, B. Balestra, E. Llave Barranco, G. Carrara, E. Ducassou, R.D. Flood, J-A. Flores, S. Furota, J. Grimalt, P. Grunert, J. Hernández-Molina, J. Kyoung Kim, L.A. Krissek, J. Kuroda, B. Li, J. Lofi, V. Margari, B. Martrat, M.D. Miller, F. Nanayama, N. Nishida, C. Richter, T. Rodrigues, F.J. Rodríguez-Tovar, A.C. Freixo Roque, M.F. Sanchez Goñi, F.J. Sierro Sánchez, A.D. Singh, C.R. Sloss, D.A.V. Stow, Y. Takashimizu, A. Tzanova, A. Voelker, C. Xuan, T. Williams. 2015. A reference time scale for Site U1385 (Shackleton Site) on the SW Iberian Margin, *Global and Planetary Change*, Volume 133, October 2015, Pages 49-64, ISSN 0921-8181, <http://dx.doi.org/10.1016/j.gloplacha.2015.07.002>
- Hernández-Molina, F.J., D.A.V. Stow, C.A. Alvarez-Zarikian, G. Acton, A. Bahr, B. Balestra, E. Ducassou, R. Flood, J.-A. Flores, S. Furota, P. Grunert, D. Hodell, F. Jimenez-Espejo, J.K. Kim, L. Krissek, J. Kuroda, B. Li, E. Llave, J. Lofi, L. Lourens, M. Miller, F. Nanayama, N. Nishida, C. Richter, C. Roque, H. Pereira, M.F. Sanchez Goñi, F.J. Sierro, A.D. Singh, C. Sloss, Y. Takashimizu, A. Tzanova, A. Voelker, T. Williams, C. Xuan, 2014. Onset of Mediterranean outflow into the North Atlantic. *Science*: 344 (6189), 1244-1250. [DOI:10.1126/science.1251306]
- Bahr, A., F. J. Jimenez-Espejo, N. Kolasinac, P. Grunert, F. J. Hernandez-Molina, U. Roehl, A. H. L. Voelker, C. Escutia, D. A. V. Stow, D. Hodell, and C. A. Alvarez-Zarikian. 2014. Deciphering bottom current velocity and paleoclimate signals from contourite deposits in the Gulf of Cadiz during the last 140 kyr: An

- inorganic geochemical approach, *Geochem. Geophys. Geosyst.*, 15, 3145–3160, doi:10.1002/2014GC005356.
- Chen, M-H, Q. Zhang, L-L. Zhang, C. Alvarez Zarikian, R-J. Wang. Stratigraphic distribution of the radiolarian *Spongodiscus biconcavus* Haeckel at IODP Site U1340 in the Bering Sea and its paleoceanographic significance. *Palaeoworld* 23 (2014) 90–104, <http://dx.doi.org/10.1016/j.palwor.2013.11.001>
- Dorador, J., Rodríguez-Tovar, F.J. and IODP Expedition 339 Scientists (Including C. Alvarez Zarikian), 2014. Quantitative Estimation of Bioturbation Based on Digital Image Analysis, *Marine Geology*, 349: 55-60. doi: 10.1016/j.margeo.2014.01.003
- Hernández-Molina, F. J., Stow, D., and Alvarez-Zarikian, C. 2013. IODP Expedition 339 in the Gulf of Cadiz and off West Iberia: decoding the environmental significance of the Mediterranean outflow water and its global influence, *Scientific Drilling*, 16, 1-11, doi:10.5194/sd-16-1-2013
- Hodell, D. A., Lourens, L., Stow, D. A. V., Hernández-Molina, J., and Alvarez Zarikian, C. A. 2013. The "Shackleton Site" (IODP Site U1385) on the Iberian Margin, *Scientific Drilling*, 16, 13-19, doi:10.5194/sd-16-13-2013
- Dorador, J., F.J. Rodríguez-Tovar and IODP Expedition 339 Scientists (including C.A. Alvarez Zarikian). 2014. Digital Image Treatment applied to ichnological analysis of marine core sediments. *Facies*, 60:39-44. DOI: 10.1007/s10347-013-0383-z
- D'Hondt, S., F. Inagaki, C. Alvarez Zarikian, and the IODP Expedition 329 Scientific Party, 2013. IODP Expedition 329: life and habitability beneath the seafloor of the South Pacific Gyre. *Scientific Drilling*, No. 15, doi: 10.2204/iodp.sd.15.01.2013
- Zhang, G., C. Smith-Duque, S. Tang, H. Li, C. Alvarez Zarikian, S. D'Hondt, F. Inagaki and IODP Expedition 329 Scientists. 2012. Geochemistry of basalts from IODP Site U1365: implications for magmatism and mantle source signatures of the mid-Cretaceous Osborn Trough. *Lithos* 144–145 (2012) 73–87
- Wehrmann, L. M., N. Risgaard-Petersen, H. N. Schrum, E. A. Walsh, Y. Huh, M. Ikehara, C. Pierre, S. D'Hondt, T.G. Ferdelman, A.C. Ravelo, K. Takahashi, C. Alvarez Zarikian and the Integrated Ocean Drilling Program Expedition 323 Scientific Party, 2011. COUPLED ORGANIC AND INORGANIC CARBON CYCLING IN THE DEEP SUBSEAFLOOR SEDIMENT OF THE NORTHEASTERN BERING SEA SLOPE (IODP EXP. 323), *Chemical Geology* 284, 251–261, doi: 10.1016/j.chemgeo.2011.03.002
- Takahashi, K., A.C. Ravelo, C.A. Alvarez Zarikian, and the IODP Expedition 323 Scientists, 2011. IODP Expedition 323 - Pliocene and Pleistocene paleoceanographic changes in the Bering Sea. *Scientific Drilling* 11, 4-13, doi: 10.2204/iodp.sd.11.01.2011
- Reese, R.S., and Alvarez-Zarikian, C.A., 2007, Hydrogeology and aquifer storage and recovery performance in the upper Floridan aquifer, southern Florida: U.S. Geological Survey Scientific Investigations Report 2006-5239, 117 p.
- Stein, R., Kanamatsu, T., Alvarez Zarikian, C.A., Higgins, S., Channell, J.E.T., Aboud, E., Ohno, M., Acton, G.D., Akimoto, K, Bailey, I., Bjørklund, K.R., Evans, H., Nielsen, S.H.H., Fang, N., Ferretti, P., Gruetzner, J., Guyodo, Y.J.B., Hagino, K., Harris, R., Hatakeda, K., Hefter, J. Judge, S.A., Kulhanek, D.K., Nanayama, F., Rashid, H., Sierro Sanchez, F. J., Voelker, A. and Zhai, Q. 2006. North Atlantic paleoceanography: The last five million years, *Eos Trans. AGU*, 87(13), 129–133, doi:10.1029/2006EO130002.
- Channell, J.E.T., Sato, T., Kanamatsu, T., Stein, R., Malone, M., Alvarez Zarikian, C. and the IODP Expedition 303 and 306 Scientists. 2006. IODP Expeditions 303 and 306 monitor Miocene-Quaternary climate in the North Atlantic. *Scientific Drilling*, 2, 4-10
- Reese, R., Alvarez Zarikian, C.A. 2004. Review of aquifer storage and recovery in the Floridan Aquifer system of southern Florida. U.S. Geol. Survey, Fact Sheet 2004-3128, 4 p.
- Nelsen, T.A., H. R. Wanless, J. H. Trefry, C.A. Alvarez Zarikian, T. Hood, P.L. Blackwelder, P.K. Swart, L. Tedesco, W-J. Kang, S. Metz, J. Garte, C. Featherstone, C. Souch, J. F. Pachut, M. O'Neal, and G. Ellis. 2002. Linkages between the South Florida peninsula and coastal zone: a sediment-based history of natural and anthropogenic influences (415-449). In: Karen and James Porter (Eds.) *The Everglades, Florida Bay, and coral reefs of the Florida Keys: an ecosystem sourcebook*; CRC Press, 1-1000

- Soter, S. Blackwelder, P.L., Tziavos, C., Katsonopoulou, D., Hood, T. and Alvarez Zarikian, C.A. 2001. Environmental analysis of cores from the Helike delta, Gulf of Corinth, Greece. *Journal of Coastal Research*, 17(1): 95-106
- Blackwelder, P.L., Hood, T., Alvarez Zarikian, C.A., Nelsen, T.A. and McKee, B. 1996. Benthic foraminifera from the NECOP study area impacted by the Mississippi River plume and seasonal hypoxia. *Quaternary International*, 31, 19-36
- Nelsen, T.A., Blackwelder, P.L., Hood, T., McKee, B., Romer, N., Alvarez Zarikian, C.A. and Metz, S. 1994. Time-based correlation of biogenic, lithogenic and authigenic sediment components with anthropogenic inputs in the Gulf of Mexico NECOP study area. *Estuaries*, 17, 873-885
- Nelsen, T.A., Blackwelder, P.L., Hood, T., Alvarez Zarikian, C.A., Trefry, J. and Metz, S. 1994. The sedimentary record in the NECOP study area: A history of anthropogenic impact. *EOS*, 75:51.

Edited volumes

- Giozzi, E., N. Pugliese, C.A. Alvarez Zarikian, 2015. Ostracoda as proxies for paleoenvironmental changes: Ostracoda as proxies for palaeoenvironmental changes - selected papers from 17th ISO. Special Issue, *Palaeogeography, Palaeoclimatology, Palaeoecology*, Vol. 419, 1-142 p. (1 February 2015).
- Hernández-Molina, F.J., D.A. Hodell, D.A.V. Stow, C.A. Alvarez-Zarikian, 2016. Special issue on IODP Expedition 339: The Mediterranean outflow. *Marine Geology*, 377:1-6.
- Hodell, D.A., Hernández-Molina, F.J., Stow, D.A.V., and Alvarez-Zarikian, C.A., 2016. Virtual special issue on IODP Expedition 339: The Mediterranean outflow. *Global and Planetary Change*, 144, 263-269. <https://doi.org/10.1016/j.gloplacha.2016.06.016>

Proceedings and reports of the international Ocean Discovery Program, Integrated Ocean Drilling Program, and non-peer-reviewed articles

- Hodell, D.A., Abrantes, F., and Alvarez Zarikian, C.A., 2022. Expedition 397 Scientific Prospectus: Iberian Margin Paleoclimate. International Ocean Discovery Program. <https://doi.org/10.14379/iodp.sp.397.2022>
- Planke, S., Berndt, C., Alvarez Zarikian, C.A., and the Expedition 396 Scientists, 2022. Expedition 396 Preliminary Report: Mid-Norwegian Continental Margin Magmatism and Paleoclimate Implications. International Ocean Discovery Program. <https://doi.org/10.14379/iodp.pr.396.2022>
- Lamy, F., Winckler, G., Alvarez Zarikian, C.A., and the Expedition 383 Scientists, 2021. Dynamics of the Pacific Antarctic Circumpolar Current. Proceedings of the International Ocean Discovery Program, 383: College Station, TX (International Ocean Discovery Program). <https://doi.org/10.14379/iodp.proc.383.2021>
- Planke, S., Berndt, C., and Alvarez Zarikian, C.A., 2021. Expedition 396 Scientific Prospectus: Mid-Norwegian Continental Margin Magmatism. International Ocean Discovery Program. <https://doi.org/10.14379/iodp.sp.396.2021>
- Lamy, F., Winckler, G., Alvarez Zarikian, C.A., and the Expedition 383 Scientists, 2019. Expedition 383 Preliminary Report: Dynamics of the Pacific Antarctic Circumpolar Current. International Ocean Discovery Program. <https://doi.org/10.14379/iodp.pr.383.2019>
- Lamy, F., Winckler, G., and Alvarez Zarikian, C.A., 2018. Expedition 383 Scientific Prospectus Addendum: Dynamics of the Pacific Antarctic Circumpolar Current (DYNAPACC). International Ocean Discovery Program. <https://doi.org/10.14379/iodp.sp.383add.2018>
- Jian, Z., Larsen, H.C., Alvarez Zarikian, C.A., and the Expedition 368 Scientists, 2017. Expedition 368 Preliminary Report: South China Sea Rifted Margin. International Ocean Discovery Program. <https://doi.org/10.14379/iodp.pr.368.2018>

- Betzler, C., Eberli, G.P., Alvarez Zarikian, C.A., and the Expedition 359 Scientists, 2017. Maldives Monsoon and Sea Level. Proceedings of the International Ocean Discovery Program, 359: College Station, TX (International Ocean Discovery Program). <http://dx.doi.org/10.14379/iodp.proc.359.2017>
- Sun, Z., Stock, J., Jian, Z., McIntosh, K., Alvarez-Zarikian, C.A., and Klaus, A., 2016. Expedition 367/368 Scientific Prospectus: South China Sea Rifted Margin. International Ocean Discovery Program. <http://dx.doi.org/10.14379/iodp.sp.367368.2016>
- Sun, Z., Stock, J., Jian, Z., Larsen, H.-C., Alvarez Zarikian, C.A., and Klaus, A., 2016. Expedition 367/368 Scientific Prospectus Addendum: South China Sea Rifted Margin. International Ocean Discovery Program. <http://dx.doi.org/10.14379/iodp.sp.367368add.2016>
- Betzler, C.G., Eberli, G.P., Alvarez Zarikian, C.A., and the Expedition 359 Scientists, 2016. Expedition 359 Preliminary Report: Maldives Monsoon and Sea Level. International Ocean Discovery Program. <http://dx.doi.org/10.14379/iodp.pr.359.2016>
- Betzler, C., Eberli, G.P., and Alvarez Zarikian, C.A., 2015. Sea level, currents, and monsoon evolution in the Indian Ocean. International Ocean Discovery Program Scientific Prospectus Addendum, 359. <http://dx.doi.org/10.14379/iodp.sp.359add.2015>
- Betzler, C., Eberli, G.P., Giosan, L., and Alvarez Zarikian, C.A., 2014. Sea level, currents, and monsoon evolution in the Indian Ocean. International Ocean Discovery Program Scientific Prospectus, 359. <http://dx.doi.org/10.14379/iodp.sp.359.2014>
- Expedition 346 Scientists, 2014. Asian Monsoon: onset and evolution of millennial-scale variability of Asian monsoon and its possible relation with Himalaya and Tibetan Plateau uplift. IODP Prel. Rept., 346. doi:10.2204/iodp.pr.346.2014
- Stow, D.A.V., Hernández-Molina, F.J., Alvarez Zarikian, C.A., and the Expedition 339 Scientists, 2013. Proc. IODP, 339: Tokyo (Integrated Ocean Drilling Program Management International, Inc.). doi:10.2204/iodp.proc.339.2013
- Expedition 339 Scientists, 2012. Mediterranean outflow: environmental significance of the Mediterranean Outflow Water and its global implications. IODP Prel. Rept., 339. doi:10.2204/iodp.pr.339.2012
- D'Hondt, S., Inagaki, F., Alvarez Zarikian, C.A., and the Expedition 329 Scientists, 2011. Proceedings of the Integrated Ocean Drilling Program, 329: Tokyo (Integrated Ocean Drilling Program Management International, Inc.). doi:10.2204/iodp.proc.329.2011
- Expedition 329 Scientists, 2011. South Pacific Gyre: seafloor life and habitability in the South Pacific Gyre. IODP Prel. Rept., 329. doi:10.2204/iodp.pr.329.2011
- Takahashi, K., Ravelo, A.C., Alvarez Zarikian, C.A., and the Expedition 323 Scientists, 2011. Proceedings of the Integrated Ocean Drilling Program, 323: Tokyo (Integrated Ocean Drilling Program Management International, Inc.). doi:10.2204/iodp.proc.323.2011
- D'Hondt, S., Inagaki, F., and Alvarez Zarikian, C., 2010. South Pacific Gyre Microbiology. IODP Sci. Prosp., 329. doi:10.2204/iodp.sp.329.2010
- Expedition 323 Scientists, 2009. Bering Sea paleoceanography: Pliocene–Pleistocene paleoceanography and climate history of the Bering Sea. IODP Prel. Rept., 323. doi:10.2204/iodp.pr.323.2010
- Takahashi, K., Ravelo, A.C., and Alvarez Zarikian, C.A., 2009. Pliocene–Pleistocene paleoceanography and climate history of the Bering Sea. IODP Sci. Prosp., 323. doi:10.2204/iodp.sp.323.2009
- Channell, J.E.T., Kanamatsu, T., Sato, T., Stein, R., Alvarez Zarikian, C.A., Malone, M.J., and the Expedition 303/306 Scientists, Proceedings of the Integrated Ocean Drilling Program, 303/306: College Station TX (Integrated Ocean Drilling Program Management International, Inc.). doi:10.2204/iodp.proc.303306.2006
- Dickens, G.R., Bentley, S., Droxler, A., Opdyke, B., Peterson, L., Febo, L., Francis, J., Jorry, S., Mallarino, G., McFadden, M., Muhammad, Z., Olson, B., Patterson, L., C. Alvarez Zarikian. 2006. Sediment accumulation on the shelf edges, adjacent slopes, and basin floors of the Gulf of Papua: A preliminary

late Quaternary view of sedimentary sinks in the Papua New Guinea Source-to-Sink focus area.
MARGINS Newsletter 16, 1-5

Expedition 306 Scientists, 2005. North Atlantic climate 2. IODP Prel. Rept., 306.
doi:10.2204/iodp.pr.306.2005

Kanamatsu, T., Stein, R., and Alvarez Zarikian, C.A., 2005. North Atlantic climate II Addendum. IODP Sci. Prosp., 306 Add. doi:10.2204/iodp.sp.303306add.2005

Nelsen, T.A., Blackwelder, P.L., Hood, T., Alvarez Zarikian, C.A., Trefry, J. and Metz, S., Eadie, B. and McKee, B. 1995. Retrospective analysis of NECOP area sediments: biogenic, inorganic and organic indicators of anthropogenic influences since the turn of the century (90-101). In: Nutrient Enhanced Coastal Ocean Productivity, Proceedings, 1994 Synthesis Workshop, Baton Rouge, Louisiana

Submitted manuscripts

(Nov 2022/ Science MS# adg5436): Anomalous widespread arid events in Asia over the past 550,000 years.
Carrasqueira, I.G., L. Jovane, A. Droxler, C. Alvarez Zarikian, L. Lanci, M. Alonso-García, J.C. Laya, D. Kroon.

(11 Nov 2022/Nature Geoscience NGS-2022-03-00607A): Major impact of marine silicate diagenesis in the Norwegian Sea on Early Eocene climate. Longman, J., V. Clementi, J. Frieling, M. Jones, S. Chatterjee, S. Planke, C. Berndt, C. Alvarez Zarikian, P. Betlem, H. Brinkhuis, M. Christopoulou, I. Filina, D. Harper, S. Lambart, J. Millett, G. Mohn, R. Scherer, N. Varela, W. Xu, S. Yager.

8 Sep 2022/Nature Geoscience (NGS-2022-04-00824A-Z): Shallow-water hydrothermal venting linked to the Paleocene-Eocene Thermal Maximum. Berndt, C., Sverre Planke, Carlos Alvarez Zarikian, Joost Frieling, John Millett, Morgan Jones, Henk Brinkhuis, Stefan Buenz, Henrik Svensen, Jack Longman, Reed Scherer, Jens Karstens, Ben Manton, Professor Ritske Huismans, Jan Inge Faleide, Amar Agarwal, Graham Andrews, Peter Betlem, Joyeeta Bhattacharya, Sayantani Chatterjee, Maria Christopoulou, Vincent Clementi, Eric Ferre, Irina Filina, Pengyuan Guo, Dustin Harper, Sarah Lambart, Geoffroy Mohn, Reina Nakaoka, Christian Tegner, Natalia Varela, Megyuan Wang, Weimu Xu, Stacy Yager.

Conference presentations (last 10 years only)

Alvarez Zarikian, C.A., P. Moal-Darrigade, E. Ducassou, E. Baumann, S.N. Brandão, P. Carbonel - Mediterranean Outflow Water Variability in the Gulf of Cadiz – Ostracod evidence from IODP Site U1390. 19th International Symposium on Ostracoda; Lyon, France; July 18-25, 2022

Alvarez Zarikian, C.A., C. Nadiri, M. Alonso-García, T. Rodrigues, H.-H.M. Huang, S. Lindhorst, T. Kunkelova, D. Kroon, C. Betzler, M. Yasuhara - Ostracod response to monsoon and OMZ variability over the past 1.2 Myr. 19th International Symposium on Ostracoda; Lyon, France; July 18-25, 2022

Alonso-García, M., T. Rodrigues, C. A. Alvarez-Zarikian, M. Padilha, D. C. Johan, M. Inoue, H. Kawahata, F. Abrantes. 2022. Monsoonal hydrological variability and OMZ extension in the Northern Indian Ocean (Maldives Sea) during the last 1.2 Ma. 14th International Conference on Paleoceanography, Abstract A-562 (poster).

Alvarez Zarikian, Carlos A., Nadiri, C., Alonso-García, M., Rodrigues, T., Huang, H-H.M., Lindhorst, S., Kunkelova, T., Kroon, D., Betzler, C., Yasuhara, M. Ostracod response to Pleistocene monsoon intensification and oxygen minimum zone expansion in the equatorial Indian Ocean, IODP Site U1467. Presented at the 2021 American Geophysical Union Fall Meeting, New Orleans, Louisiana, 13–17 December 2021. Abstract PP21A-07

Alonso-García, M. et al. Pleistocene Sea surface temperature, monsoonal hydrological variability and OMZ extension in the Northern Indian Ocean (Maldives Sea). Submitted to SSP1.2 – Achievements and perspectives in scientific ocean and continental drilling. EGU General Assembly 2021

Lamy, F., Winckler, G., Alvarez Zarikian, C.A., and Expedition 383 Scientists, 2019. Investigating the Dynamics of the Pacific Antarctic Circumpolar Current – Initial Results from International Ocean Discovery Program Expedition 383 (DYNAPACC). EGU General Assembly 2020 (4-8 May 2020), EGU2020-22367 <https://doi.org/10.5194/egusphere-egu2020-22367>

Lamy, F., Winckler, G., Alvarez Zarikian, C.A., and Expedition 383 Scientists, 2019. Investigating the Dynamics of the Pacific Antarctic Circumpolar Current – Initial Results from International Ocean Discovery Program Expedition 383

- (DYNAPACC). American Geophysical Union Fall Meeting, Washington, D.C., 9-13 December 2019. Abstract PP52A-07.
- Riesselman, C.R., Brombacher, A., Esper, O., de Souza, A., Malinverno, E., Middleton, J.L., Ravelo, A.C., Saavedra, M., Singh, R.K., Venancio, I., Stoner, J.S., Zhao, X., Lamy, F., Winckler, G., Alvarez Zariqian, C.A., and Expedition 383 Scientists, 2019. Magneto-biostratigraphic integration of Neogene sequences from the subantarctic Pacific Ocean: Initial results from IODP Exp. 383. American Geophysical Union Fall Meeting, Washington, D.C., 9-13 December 2019. Abstract PP53C-1467.
- Moy, C.M., Arz, H.W., Farmer, J.R., Gottschalk, J., Iwasaki, S., Lawson, V., Lembke-Jene, L., Lo., L., Michel, E., Seo, I., Wan, S., Lamy, F., Winckler, G., Alvarez Zariqian, C.A., Foucher McColl, N., and Expedition 383 Scientists, 2019. Sedimentary perspectives of Pleistocene ocean circulation and climate change from the southernmost Chilean continental margin. American Geophysical Union Fall Meeting, Washington, D.C., 9-13 December 2019. Abstract PP53C-1460.
- Carrasqueira, I., L. Jovane, A. Droxler, D. Kroon, L. Lanci, C. Alvarez Zariqian and the Expedition 359 Science party. 2019. Extremely humid abrupt climate events, Asian monsoon system and diagenesis of biogenic magnetite detected by magnetic properties and XRF core scanning of IODP Site U1471, in the Maldives. Geophysical Research Abstracts Vol. 21, EGU2019-14132, 2019 EGU General Assembly
- Alonso-García, M., Rodrigues, T., Padilha, M., Alvarez Zariqian, C.A., Kroon, D., Kunkelová, T., Betzler, C., Inoue, M., Kawahata, H., and Abrantes, F.F.G., 2018. Sea surface temperature and productivity in the Northern Indian Ocean (Maldives Sea) during the last ~550 ka (MIS 13 to present). (American Geophysical Union (AGU) Fall Meeting 2018 Abstract PP23C-04)
- Alvarez Zariqian, C.A., Nadiri, C., Alonso-García, M., Hernandez, P., Marcantonio, F., Kroon, D., Kunkelová, T., Betzler, C., Rodrigues, T., and Lindhorst, S., 2018. Ostracod response to late Pleistocene oceanographic changes in the tropical Indian Ocean. (American Geophysical Union (AGU) Fall Meeting 2018 Abstract PP33E-1780)
- Larsen, H.C., Mohn, G., Nirrengarten, M., Sun, Z., Stock, J.M., Jian, Z., Klaus, A., and Alvarez Zariqian, C.A., 2018. Rapid transition from continental breakup to igneous oceanic crust in the South China Sea. (American Geophysical Union (AGU) Fall Meeting 2018 Abstract T13F-0289)
- Lopes, A., Alonso-García, M., Salgueiro, E., Rodriguez-Diaz, C.N., Rodrigues, T., Voelker, A.H.L., Kuhnert, H., et al. (including C.A. Alvarez Zariqian), 2018. Benthic foraminifers response to Mediterranean Outflow Water changes during the late Pliocene-early Pleistocene transition. (American Geophysical Union (AGU) Fall Meeting 2018 Abstract PP13F-1375)
- Grunert, P., Á. García Gallardo, B. Balestra, C. Richter, G. Auer, M. van der Schee, J-A. Flores, F.J. Sanchez, F. Jiménez-Espejo, C. Alvarez Zariqian, U. Röhl, A. Bahr, S. Kaboth, and W.E. Piller, 2018. Pliocene history of Mediterranean-Atlantic exchange. Geophysical Research Abstracts Vol. 20, EGU2018-14790-1, 2018, EGU General Assembly 2018.
- Alvarez Zariqian, C.A., Nadiri, C., Alonso-García, M., Petruny, L., Hernandez, P., Kroon, D., Wright, J., Eberli, G.P. and Betzler, C. 2017. Ostracod-based reconstruction of bottom water conditions in the Inner Sea of the Maldives during the Pleistocene (IODP Site U1467, northern Indian Ocean. Geological Society of America Abstracts with Programs. Vol. 49, No. 6, Paper N°. 302-8, doi: 10.1130/abs/2017AM-303155
- Alonso-García, M.; E. Salgueiro; T. Rodrigues; C. A. Álvarez-Zariqian; W. Soares; A. I. Lopes; H. Kuhnert; U. Röhl; A. H.L. Voelker; F. J. Sierro; J. A. Flores; F. Abrantes. 2017. Late Pliocene-Early Pleistocene oscillations in Mediterranean Overflow water and climate in the Iberian Margin, PAGES –OSM 2017, Zaragoza, Spain, 9-13 May 2017, Abstract ID: 02142.
- Anderson CH, AG Dunlea, RW Murray, R Tada, CA Alvarez Zariqian (2017) Reconstructing Eolian Delivery to the Ulleung Basin (IODP Site U1430) Over the Past 12 Myr. Abstract PP34B-05 presented at 2017 Fall Meeting, AGU, New Orleans, Louisiana, 11-15 Dec 2017
- Balestra, B, Ducassou, E, Alvarez Zariqian, C, Bout-Roumazeilles, V, Flores, J A, Paytan, A (2017), Late Quaternary high resolution micropaleontological and sedimentological records in the Gulf of Cadiz, Abstract PP11D-1053, 2017 Fall Meeting, AGU, New Orleans, Louisiana, 11-15 Dec. 2017
- Betzler, C., Eberli, G.P., Kroon, D., Lüdmann, T., Reijmer, J.J.G, Swart, P.K., Wright, J. Alvarez-Zariqian, C. Alonso-García, M., Bialik, O.M., Blättler, C.L., Guo, J.A., Haffen, S., Horozal, S., Inoue, M., Jovane, L., Lanci, L., Laya, J.C., Hui Mee, A.L., Nakakuni, M., Niino, K., Petruny, L.M., Pratiwi, S.D, Reolid, J., Slagle, A.L., Sloss, C.R., Su, X., Yao, Z., Young, J.R. 2017. Cenozoic Neritic Carbonates in the Maldives controlled by Sea Level and Ocean Currents. American Association of Petroleum Geologists (AAPG) Annual Convention, 2–5 April, 2017, Houston, Texas, USA.

- Höfig, TW, B LeVay, JM Stock, Z Sun, A Klaus, Z Jian, HC Larsen, CA Alvarez Zarikian and the IODP Expeditions 367 and 368 Scientists. 2017. XRF Core Scanning of Igneous Rocks: a Case Study of IODP Expeditions 367/368 Lava Flows, South China Sea. Abstract T32A-08 presented at 2017 Fall Meeting, AGU, New Orleans, Louisiana, 11-15 Dec.
- Jian, Z, Z Liu, H Jin, HC Larsen, CA Alvarez Zarikian, JM Stock, Z Sun, A Klaus and the IODP Expeditions 367 and 368 Scientists (2017), Sedimentary and Paleoceanographic Responses to the South China Sea Basin Evolution (Invited). Abstract T32A-01 presented at 2017 Fall Meeting, AGU, New Orleans, Louisiana, 11-15 Dec
- Kunkelová, T., D Kroon, S Jung, E S. de Leau, N Odling, S Spezzaferri, S Hayman, M Alonso-Garcia, J D. Wright, C Alvarez Zarikian, C Betzler, G P. Eberli, L Jovane, JC Laya, A Ling Hui-Mee, J Reijmer, J Reolid, CR. Sloss and Expedition 359 Scientific Party Team. 2017. Dust influx into the northern Indian Ocean over the last 1.5 Myr. Geophysical Research Abstracts Vol. 19, EGU2017-1927-1, 2017, EGU General Assembly 2017
- Laya, JC, K Prince, C Betzler, GP Eberli, CL Blättler, PK Swart, J Reolid, CA Alvarez Zarikian, J Reijmer (2017), Cement Distribution and Diagenetic Pathway of the Miocene Sediments on Kardiva Platform, Maldives. Abstract EP11D-01 presented at 2017 Fall Meeting, AGU, New Orleans, Louisiana, 11-15 Dec.
- Prince, K, Laya, J C, Betzler, C, Eberli, G P, Alvarez Zarikian, C, Swart, P K, Blättler, C L, Reolid, J, Reijmer, J (2017), Isotopic Evidence for Platform Exposure and Diagenesis in the Miocene: Implications for South-East Asian Platform Evolution. Abstract EP13A-1579 presented at 2017 Fall Meeting, AGU, New Orleans, Louisiana, 11-15 Dec.
- Tada, R, A Seki, M Ikeda, T Irino, K Ikehara, A Karasuda, S Sugisaki, T Sagawa, T Itaki, Y Kubota, M Murayama, S Lu, RW Murray, CA Alvarez Zarikian (2017), Intermittent Occurrence of Millennial-scale Variability of East Asian Summer Monsoon before 1.45 Ma based on the High-resolution Br Record of the Japan Sea Sediments. Abstract PP33E-08 presented at 2017 Fall Meeting, AGU, New Orleans, Louisiana, 11-15 Dec
- Slagle, A. J. Wright, D. Kroon, L. Lanci, C. Betzler, G. Eberli, C. Alvarez Zarikian, and Expedition 359 Scientists. 2017. Gamma radiation-based astronomical timescale for the Maldives: Preliminary results from IODP Expedition 359, Maldives Monsoon and Sea Level, Geophysical Research Abstracts Vol. 19, EGU2017-8130, 2017 EGU General Assembly 2017
- Alonso-Garcia, M, E Salgueiro, T Rodrigues, C A Alvarez Zarikian, H Kuhnert, U Roehl, H L A H L Voelker, F J Sierro, F F G Abrantes (2016), Late Pliocene-Early Pleistocene oscillations in Mediterranean Overflow water: a new perspective from the Iberian Margin. Abstract PP33A-2347 presented at 2016 Fall Meeting, AGU, San Francisco, CA, 12-16 Dec.
- Alvarez Zarikian, C.A., C. Nadiri, L.M. Petruny, M. Alonso-García, C. Betzler, G.P. Eberli, IODP Expedition 359 Scientists (2016), A Tropical Pleistocene Record of Changes in Bottom Water Conditions from The Maldives Inner Sea (IODP Site U1467), Indian Ocean, Based on Benthic Calcareous Microfossils. Abstract PP43A2295 presented at 2016 Fall Meeting, AGU, San Francisco, CA, 12-16 Dec.
- Anderson, C H, A G Dunlea, R W Murray, R Tada, C A Alvarez Zarikian (2016), Provenance of Continental Margin Sediments in the East China Sea, Results from IODP Expedition 346. Abstract PP42A-06, presented at 2016 Fall Meeting, AGU, San Francisco, CA, 12-16 Dec.
- Bassetti, M.A., Alvarez -Zarikian, C., Angue Minto'o, A.M., Courtillart, M., Hull, K., Holbourn A., Kumar Singh, R., Wan, S., Zhao, D. and Expedition 346 Scientists, 2016. Sediment input and bottom water trophic level in the East China Sea, in response to glacial/interglacial sea level change and monsoon rainfall intensity. Insights from benthic microcrustaceans (ostracods) and foraminifera at Site U1429 (IODP Expedition 346). 35th International Geological Congress, 27 Aug - 4 Sep 2016, Cape Town, South Africa.
- Betzler, C., G.P. Eberli, D. Kroon, J.D. Wright, P.K. Swart, B.N. Nath, J.J. Reijmer, C.A. Alvarez-Zarikian and the IODP Expedition 359 Scientists (2016), The abrupt onset of the modern South Asian Monsoon winds. Abstract PP41E02, presented at 2016 Fall Meeting, AGU, San Francisco, CA, 12-16 Dec.
- Betzler, C., G. Eberli, C. Alvarez Zarikian, and the IODP Expedition 359 Scientists Team. IODP Expedition 359: Maldives Monsoon and Sea Level. Geophysical Research Abstracts, Vol. 18, EGU2016-5572, 2016, EGU General Assembly 2016
- Huang, H.H.M., M. Yasuhara, H. Iwatani, C.A. Alvarez Zarikian, M.A. Bassetti, T. Sagawa, (2016), Benthic Biotic Response to Climate Changes over the Last 700,000 Years, the Sea of Japan: Ostracode Assemblages from Site U1427, IODP Expedition 346. Abstract PP41E05, presented at 2016 Fall Meeting, AGU, San Francisco, CA, 12-16 Dec.
- Inoue, M., Dwi Pratiwi. S., Nakakuni, M., Niino, K., Betzler, C., Eberli, G.P., Alvarez-Zarikian, C.A., and IODP Expedition 359 Scientists. Reports of IODP Exp. 359: Sea Level, Currents, and Monsoon Evolution in the Indian Ocean. MIS16-01. Japan Geoscience Union Meeting 2016

- Kurokawa, S., R. Tada, T. Irino, A. Seki, T. Itaki, S. Kamikuri, K.M. Raymond Matsuzaki, R.W. Murray, C.A. Alvarez Zarikian, Expedition 346 Scientists (2016), Cyclostratigraphy of the Pliocene Miocene interval in the Japan Sea sediments (Expedition 346 Sites U1425 and U1430). Abstract PP41B2246, presented at 2016 Fall Meeting, AGU, San Francisco, CA, 12-16 Dec.
- Sloss, C. R., Betzler, C. G., Eberli, G. P., Lüdmann, T., Alvarez Zarikian, C. A., Reijmer, J.G., Reolid, J., Ling Hui Mee, A., Nothdruff, L., Trovimos, T. Devereaux, A., and IODP Expedition 359 Scientists, 2016. Facies scale depositional model for bottom-current controlled carbonate drift deposits. AQUA, Quaternary Perspectives from the City of Volcanoes 5-9 December 2016, Auckland, New Zealand.
- Tada, R., T. Irino, M. Ikeda, K. Ikehara, A. Karasuda, S.L. Arisa Seki, S. Sugisaki, T. Itaki, T. Sagawa, Y. Kubota, C. Xuan, R.W. Murray, C.A. Alvarez Zarikian, Expedition 346 Scientists (2016), Emergence and evolution of millennial-scale variability in the East Asian summer monsoon over the last 3 Ma recorded in hemipelagic sediments of the Japan Sea recovered by IODP Expedition 346. Abstract PP41E03, presented at 2016 Fall Meeting, AGU, San Francisco, CA, 12-16 Dec.
- Hull, K., Alvarez Zarikian, C.A., M-A. Bassetti, A. Holbourn, 2015. Characterization of ostracod assemblages in the East China Sea (IODP Site U1429) during the last glacial/interglacial cycle (last ~30 ky). 2015 GSA Annual Meeting in Baltimore, Maryland, USA (1-4 November 2015), Paper No. 41-18.
- Alvarez Zarikian, C. A., M.-A. Bassetti, S. Toucanne, T. Sagawa, A. Holbourn, M. Yasuhara, R. Tada, R. W. Murray, and the IODP Expedition 346 Scientists Team, 2015. Variability of the intensity of the Tsushima Warm Current and bottom water ventilation in western North Pacific marginal seas during the Pleistocene: Preliminary results from IODP Expedition 346 (Sites U1427 and U1429) based on ostracod assemblages, Geophysical Research Abstracts Vol. 17, EGU2015-14259-1, 2015, EGU General Assembly 2015, 12-18 April 2015.
- Bassetti, M. A., C. A. Alvarez Zarikian, S. Toucanne, M. Yasuhara, A. E. Holbourn, T. Sagawa, R. Tada, R. W. Murray, and IODP Expedition 346 Scientists, 2014. Variability of the Tsushima Warm Current during the Pleistocene and its relationship with the evolution of the East Asian Monsoon. Preliminary results from IODP Expedition 346 (Sites U1427 and U1428/29) based on benthic ostracod assemblages, Abstract PP43-1514 presented at 2014 Fall Meeting AGU, San Francisco, CA, 15-19 December.
- Murray, R. W., R. Tada, C. A. Alvarez Zarikian, and Expedition 346 Scientists, 2014. Examination of the Asian Monsoon: Ongoing Studies from IODP Expedition 346, Abstract T31E-02, presented at 2014 Fall Meeting AGU, San Francisco, CA, 15-19 December.
- Holbourn, A. E., W. Kuhnt, R. Tada, R. W. Murray, C. A. Alvarez Zarikian, S. C. Clemens and the IODP Expedition 346 Scientists, 2014. Interlinkages of SE Asian, Indian and Indonesian Australian monsoonal subsystems on orbital and suborbital timescales. Abstract PP42C-06, presented at 2014 Fall Meeting AGU, San Francisco, CA, 15-19 December.
- Itaki, T., I. Motoyama, S. Kamikuri, R. Tada, R. W. Murray, C. A. Alvarez Zarikian, and IODP Expedition 346 Scientists, 2014. Mid-Miocene to Pleistocene Radiolarian fossil record from IODP Expedition 346: Faunal response to the global climatic changes and local/regional tectonics. Abstract PP42C-08 presented at 2014 Fall Meeting AGU, San Francisco, CA, 15-19 December.
- Lee, K. E., S. Woong Bae, K. Kim, R. Ah Kim, N. Kang, T. Wook Ko, R. Tada, R. W. Murray, C. A. Alvarez Zarikian and Expedition 346 Scientists, 2014. High Resolution Pleistocene Alkenone Temperature Records of IODP Expedition 346 Sites U1425 and U1429. Abstract PP43D-1515, presented at 2014 Fall Meeting AGU, San Francisco, CA, 15-19 December.
- Anderson, C. H., A. G. Dunlea, R. W. Murray, C. William Kinsley, D. McGee, L. Giosan, H. Zheng, R. Tada, C. A. Alvarez Zarikian and IODP Expedition 346 Scientists, 2014. Tracking Monsoon Related Provenance Changes in Continental Margin Sediments of the East China Sea: Preliminary Results from IODP Expedition 346, Abstract PP43D-1506 presented at 2014 Fall Meeting AGU, San Francisco, CA, 15-19 December.
- Sagawa, T., R. Tada, R. W. Murray, C. A. Alvarez Zarikian, and Expedition 346 Scientists, 2014. Influence of relative sea level on a marginal sea environment and its implication for reconstructing ice volume changes using IODP Expedition 346, Site U1427, Abstract PP43D-1511 presented at 2014 Fall Meeting AGU, San Francisco, CA, 15-19 December.
- Gorgas, T. J., R. Tada, T. Irino, S. C. Clemens, M. Ziegler, A. E. Holbourn, R. W. Murray, C. A. Alvarez Zarikian, and IODP Expedition 346 Scientists, 2014. Sedimentation Rates at IODP Site U1424 since the Pliocene Deciphered from Spectral Analyses of RGB and GRA Bulk Density Profiles. Abstract PP43D-1517, presented at 2014 Fall Meeting AGU, San Francisco, CA, 15-19 December.

- D'Hondt, S., F Inagaki, C Alvarez Zarikian, Y Morono, R Pockalny, J Sauvage, A Spivack, 2014. Microbial Cells and Aerobic Respiration from Seafloor to Basement in the South Pacific Gyre. Abstract B21L-08, presented at 2014 Fall Meeting AGU, San Francisco, CA, 15-19 December.
- Stow, D., Hernandez Molina, J., Alvarez Zarikian, C. and the IODP Expedition 339 Scientists. New Advances in the Contourite Paradigm: IODP Expedition 339, Gulf of Cadiz. 2nd Deep-Water Circulation Congress: The Contourite Log-book (International Conference), At Ghent, Belgium, September 2014.
- Flores, J-A., B. Balestra, G. Acton, C. Alvarez-Zarikian, P. Grunert, F.J. Hernández-Molina, D. Hodell, B. Li, C. Richter, M.F. Sanchez Goni, F.J. Sierro, A. Singh, D. Stow, A. Voelker, C. Xuan, IODP Expedition 339 Scientists. 2014. Pleistocene calcareous nannofossil biostratigraphy and biochronology: preliminary results from the IODP Site U1385 (Exp 339), the Shackleton Site. European Geosciences Union, Geophysical Research Abstracts, At Vienna, Austria, Volume: Vol. 16, EGU2014-8933.
- Hernandez-Molina, F.J., D.A.V. Stow, C.A. Alvarez Zarikian, Expedition 339 Scientists. 2014. When did Mediterranean Outflow Water begin to circulate into the North Atlantic? European Geosciences Union, Geophysical Research Abstracts, At Vienna, Austria, Volume: Vol. 16, EGU2014-11896.
- Grunert, P., D. Hodell, C. Alvarez Zarikian, F. J. Hernández-Molina, D.A.V. Stow, and the IODP Expedition 339 Scientists Team, 2014. Impact of Paleoceanographic changes at glacial/interglacial transitions on benthic foraminiferal faunas of the eastern North Atlantic (IODP Expedition 339, Site U1385). Geophysical Research Abstracts Vol. 16, EGU2014-7418-1, EGU General Assembly 2014
- Alvarez Zarikian, C A. 2013. Ostracoda in deep ocean Cenozoic paleoceanography: from regions of deep-water formation to ultraoligotrophic environments. (Invited Keynote for the session on "Ostracoda in palaeoceanographic reconstructions during the Cenozoic") at the 17th International Symposium on Ostracoda, Rome, Italy (July 23-26, 2013).
- Grunert, P., B. Balestra, D. Hodell, J.A. Flores, C.A. Alvarez Zarikian, J. Hernandez-Molina, D. Stow, 2013. Recent microfauna and -flora in the Gulf of Cádiz and W off Portugal: a key to the history of the Mediterranean Outflow Water (IOPD Expedition 339). Geophysical Research Abstracts, vol. 15, EGU2013-10925

Professional affiliations

American Geophysical Union