

Li LO 羅立

Assistant Professor
Department of Geosciences,
National Taiwan University

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PROFESSIONAL POSITION

Aug. 2019-	Assistant Professor Department of Geosciences, National Taiwan University
Dec. 2016- Jul. 2019	Associate Researcher State Key Laboratory of Isotope Geochemistry, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences
Oct. 2015 - Oct. 2016	Postdoctoral Researcher Department of Earth Sciences, University of Cambridge
Sept. 2011 - Mar. 2012	Visiting Scholar Lamont-Doherty Earth Observatory, Columbia University

EDUCATION

Sept. 2007 - Jun. 2014	Doctor of Philosophy Department of Geosciences, National Taiwan University
Sept. 2004 - Jun. 2007	Master of Science Department of Geosciences, National Taiwan University
Sept. 2000 - Jun. 2004	Bachelor of Science Department of Geosciences, National Taiwan University

FELLOWSHIP

Declined	The 2016-2019 independent postdoctoral researcher from Taiwan Ministry of Science and Technology
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MILITARY SERVICE

Sept. 2014 - Aug. 2015	Mandatory military service in the Army of Republic of China, Taiwan
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RESEARCH INTERESTS

- Paleooceanography/Paleoclimatology
- Equatorial Pacific thermal and hydrological dynamics
- Bi-polar sea ice variations
- Inorganic-organic geochemical proxies development

PUBLICATIONS (*corresponding author)

Published

- Yangrui Guo, Wenfeng Deng, **Li Lo**, Ganjian Wei, Ning Wang. Revisiting clumped isotope signature in modern land snail shells and its potential environmental implications. *Chemical Geology* accepted (**SCI IF: 4.358, Citations: 0**)
- Julie Lattaud, **Li Lo**, Christian Zeeden, Ya-Chun Liu, Sheng-Rong Song, Marcel T. J. van der Meer, Jaap Sinninghe Damste, Stefan Schouten. A multiproxy study of past environmental changes in the Sea of Okhotsk during the past 1.5 Ma. *Organic Geochemistry* 2019, 132, 50-61. (**SCI IF: 3.253, Citations: 0**)
- Chung-Che Wu, Chuan-Chou Shen*, **Li Lo**, Kefu Yu, Ching-Chih Chang, Yu-Min Chou, Sun-Lin Chung, John Pallister, Hiroshi Amakawa, George S. Burr. Pinatubo volcanic eruption exacerbated an abrupt coral mortality event in 1991 summer. *Geophysical Research Letters* 2018, 45, doi.org/10.1029/2018GL079529 (**SCI IF: 4.34, Citations: 2**)
- Chih-Kai Chuang, **Li LO***, Christian Zeeden, Yu-Min Chou, Kuo-Yen Wei, Chuan-Chou Shen, Horng-Sheng Mii, Yuan-Pin Chang, Yin-Hung Tung. Integrated stratigraphy of ODP 1115B (Solomon Sea, southwestern equatorial Pacific) over the past 3.2 Ma. *Marine Micropaleontology* 2018, 144, 25-37, doi.org/10.1016/j.marmicro.2018.09.003 (**Co-first author, SCI IF: 2.253, Citations: 0**)
- Chao Huang, Ti Zeng, Luhua Xie, Zhibing Wang, Gangjian Wei*, **Li Lo**. Natural and anthropogenic impacts on environmental changes over the past 7500 years based on the multi-proxy study of shelf sediments in the northern South China Sea. *Quaternary Science Reviews* 2018, 197, 35-48, doi.org/10.1016/j.quascirev.2018.08.005 (**SCI IF: 5.054, Citations: 0**)
- Julie Lattaud*, **Li Lo**, Jyh-Jaan Huang, Yu-Min Chou, Sergey A. Gorbarenko, Jaap Sinninghe Damsté, Stefan Schouten. A comparison of late Quaternary organic proxy-based paleotemperature records of the central Okhotsk Sea. *Paleoceanography and Paleoclimatology* 2018, 33, 732-744, doi.org/10.1029/2018PA003388 (**SCI IF: 3.7, Citations: 1**)
- Sebastian F. M. Breitenbach*, Maryline J. Mleneck-Vautravers, Anna-Lena Grauel, **Li Lo**, Stefano M. Bernasconi, Inigo A. Müller, James Rolfe, Fernando Gázquez, Mervyn Greaves, David A. Hodell. Coupled Mg/Ca and clumped isotope analyses of foraminifera provide consistent water temperatures. *Geochimica et Cosmochimica Acta* 2018, 236, 283-296, doi.org/10.1016/j.gca.2018.03.010 (**SCI IF: 4.847, Citations: 8**)
- **Li Lo***, Simon T. Belt, Julie Lattaud, Tobias Friedrich, Christian Zeeden, Stefan Schouten, Lukas Smik, Axel Timmermann, Patricia C. Sanz, Jyh-Jaan Huang, Liping Zhou, Tsong-Hua Ou, Yuan-Ping Chang, Liang-Chi Wang, Yu-Min Chou, Chuan-Chou Shen, Min-Te Chen, Kuo-Yen Wei, Sheng-Rong Song, Tien-Hsi Fang, Sergey A. Gorbarenko, Wei-Lung Wang, Teh-Quei Lee, Henry Elderfield, David A. Hodell. Precession and atmospheric CO₂ modulated variability of sea ice in the central Okhotsk Sea since 130,000 years ago. *Earth and Planetary Science Letters* 2018, 488, 36-45, https://doi.org/10.1016/j.epsl.2018.02.005 (**SCI IF: 4.966, Citations: 4**).

- ***Li Lo****, Sheng-Pu Chang, Kuo-Yen Wei, Shih-Yu Lee, Chuan-Chou Shen, Tsong-Hua Ou, Yi-Chi Chen, Chih-Kai Chuang, Horng Sheng Mii, George S. Burr, Min-Te Chen, Ying-Hung Tung, Meng-Chieh Tsai. Nonlinear climatic sensitivity to greenhouse gases over past 4 glacial/interglacial cycles. *Scientific Reports* 2017, 7, 4626, doi:10.1038/s41598-017-04031-x (**SCI IF: 4.847, Citations: 3**).
- Yi Liu, ***Li Lo***, Zhengguo Shi, Kuo-Yen Wei, Jain-Ru Jhou, Chung-Che Wu, Zicheng Peng, Chuan-Chou Shen*. Obliquity pacing of the western Pacific Intertropical Convergence Zone over the past 282,000 years. *Nature Communications* 2015, 6, 10018, doi: 10.1038/ncomms (Co-first author, **SCI IF: 13.092, Citations: 21**). Reported by Editors' Choice, *Science*, 351 (6264), 1053.
- ***Li Lo***, Chuan-Chou Shen*, Chia-Jung Lu, Yi-Chi Chen, Ching-Chih Chang, Kuo-Yen Wei, Dingchuang Qu, Michael K. Gagan. Determination of element/Ca ratios in foraminifera and corals using cold- and hot-plasma techniques in inductively coupled plasma sector field mass spectrometry. *Journal of Asian Earth Sciences* 2014, 81, 115-122 (**SCI IF: 2.905, Citations: 8**).
- Liangcheng Tan*, Chuan-Chou Shen, Yanjun Cai, ***Li Lo***, Hai Cheng, Zhisheng An. Trace element variations in an annually layered stalagmite as recorders of climatic changes and anthropogenic pollution in Central China. *Quaternary Research* 2014, 81, 181-188 (**SCI IF: 2.536, cover paper, Citations: 21**).
- T. Li, C.-C. Shen*, L.-J. Huang, X. Jiang, X. Yang, H.-S. Mii, S.-Y. Lee, ***L. Lo***. Stalagmite-inferred variability of the Asian summer monsoon during the penultimate glacial-interglacial period. *Climate of the Past* 2014, 10, 1211-1219 (**SCI IF: 4.082, Citations: 25**).
- ***Li Lo***, Chuan-Chou Shen*, Kuo-Yen Wei, George S. Burr, Horng-Sheng Mii, Min-Te Chen, Shih-Yu Lee, Meng-Chieh Tsai. Millennial meridional dynamics of the Indo-Pacific Warm Pool during the last termination. *Climate of the Past*, 2014, 10, 2253-2261 (**SCI IF: 4.082, Citations: 7**).
- ***Li Lo***, Yung-Hsiang Lai, Kuo-Yen Wei, Yu-Shih Lin, Horng-Sheng Mii, Chuan-Chou Shen*. Persistent sea surface temperature and declined sea surface salinity in the northwestern tropical Pacific over the past 7500 years. *Journal of Asian Earth Sciences* 2013, 66, 234-239 (**SCI IF: 2.905, top ten hottest paper, 2013, Citations: 10**).
- Chuan-Chou Shen*, Chung-Che Wu, Yi Liu, Jimin Yu, Ching-Chih Chang, Doan Dinh Lam, Chien-Ju Chou, ***Li Lo***, Kuo-Yen Wei. Rapid and precise measurements of natural carbonate rare earth elements in femtomole quantities by inductive coupled plasma sector field mass spectrometry. *Analytical Chemistry* 2011, 83, 6842-6848 (**SCI IF: 6.320, Citations: 8**).
- Min-Te Chen*, Xiao-Pei Lin, Yuan-Pin Chang, Yi-Chi Chen, ***Li Lo***, Chuan-Chou Shen, Yusuke Yokoyama, Delia W. Oppo, W. G. Thompson, Rong Zhang. Dynamic millennial-scale climate changes in the northwestern Pacific over the past 40,000 years. *Geophysical Research Letters* 2010, 37, 2010GL045202 (**SCI IF: 4.253, Citations: 22**).

- Chuan-Chou Shen*, Han-Yi Chiu, Hung-Wei Chiang, Mei-Fei Chu, Kuo-Yen Wei, Stephan Steinke, Min-Te Chen, Yu-Shih Lin, **Li Lo**. High precision measurements of Mg/Ca and Sr/Ca ratios in carbonates by cold plasma inductively coupled plasma quadrupole mass spectrometry. *Chemical Geology* 2007, 236, 339-349 (**SCI IF: 4.038, Citations: 25**).

Submitted or under review

- Haoyu Li, Qisheng Tang, Yao Sun, **Li Lo**. Bottom-up effects of climate of Japanese anchovy (*Engraulis japonicus*) abundance: Evidence from sediment records from the Yellow Sea in the western North Pacific. *ICES Journal of Marine Science* (revised and resubmitted)
- Yangrui Guo, Wenfeng Deng, Gangjian Wei, Xuefei Chen, Xi Liu, Xijie Wang, **Li Lo**, Guangqiang Cai, Ti Zeng. Exploring the temperature dependence of clumped isotopes in modern *Porites* corals. submitted to *Journal of Geophysical Research: Biogeosciences*.

In progress

- **Li Lo***, Yi-Wei Liu, Bärbel Hönisch, Yuan-Pin Chang, Chuan-Chou Shen, Kuo-Yen Wei, Horng-Sheng Mii. Intermediate water pH values changes during the past 30-kyr in the equatorial Pacific Ocean. (to be submitted to *Paleoceanography and Paleoclimatology*)
- **Li Lo***, Chih-Kai Chuang, Christian Zeeden, Yu-Min Chou, Kuo-Yen Wei, Chuan-Chou Shen, Horng-Sheng Mii, Yuan-Pin Chang. The expansion of Indo-Pacific Warm Pool and the link to African human evolution by southward shifting of Intertropical Convergence Zone during the past 1.8-1.6 Ma. (to be submitted to *Geophysical Research Letters*)
- Yuan-Pin Chang, Jianjun Zou, Yusuke Yokohama, **Li Lo**, Min-Te Chen. Synchronous responding of North Pacific Intermediate Water to global thermohaline circulation on millennial timescales. (to be submitted to *Nature Communications*)
- **Li Lo***, Lukas Smik, Simon T. Belt. Sea ice and terrestrial input variations in the central Okhotsk Sea during the last 1.5 Ma: Biomarkers evidence. (to be submitted to *Paleoceanography and Paleoclimatology*)

Non-SCI article and book chapters

- **Li Lo**. Foraminiferas: Paleooceanographer's minime. *Special publication of the Geological Survey of China* 2018 (in Chinese).
- **Li Lo**. Chapter 22: Earth's Climate System and Global Changes. In T.-K. Liu (Eds.), *Introduction to Geology*. 2018 Taipei, National Taiwan University Press (in Chinese).
- **Li Lo**. *The role of North Pacific in global thermohaline circulation*. *Science Monthly* 2015, May (in Chinese).
- Meng-Ting Chiang, Kuo-Yen Wei, Chih-Kei Chuang, **Li Lo**. Two left-coiling events of planktonic foraminifer genus *Pulleniatina* during the early Pleistocene: Insights from population dynamics observed from foraminiferal assemblages in Core ODP 1115B, western equatorial Pacific. *Western Pacific Earth Sciences in press* (in Chinese with English abstract, **Best Paper Award, 2014**).

- ***Li Lo***, Thermohaline circulation and its implication for paleoceanography studies. *Science Monthly* 2014, April (in Chinese).
- ***Li Lo***, Yuan-Pin Chang, Chuan-Chou Shen, Min-Te Chen, Kuo-Yen Wei. Invasion of warm, saline, and well ventilated intermediate water in cold stadials during the last 30,000 years? Evidence from the middle Okinawa Trough Site MD01-2404. *Mineralogical Magazine* 2011, (75), 1352.
- ***Li Lo***, Footnote for the next generation geologists. *Evolution* 2010, (16), 101-105 (in Chinese).
- Kuo-Yen Wei, ***Li Lo***, Chih-Kai Chuang, Shao-Wei Huang, Jyh-Jaan Huang, Saul-Wood Lin. A short note on the extant Rhodoliths found on the continental shelf off Dong-He, eastern Taiwan. *Western Pacific Earth Sciences* 2009, 9, 99-118 (in Chinese with English abstract).
- Kuo-Yen Wei, Yu-Shih Lin, ***Li Lo***, Chuan-Chou Shen, In-Tien Lin, Horng-Sheng Mii. Sea-surface temperature and hydrological variations in Okinawa Trough during the last 10,000 years. *Interactions of Nature and Humans: Perspectives of Environmental History, Linking Publishing, 2008, 33-53 (in Chinese with English abstract).*

RESEARCH GRANTS

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| 2018-2021 | The role of sea ice variations in the Middle Pleistocene Transition.
National Natural Science Foundation of China General Program (41773116)
<i>Principal Investigator</i> (690,000 RMB) |
| 2017-2018 | The role of subarctic sea ice in the Middle Pleistocene Transition: New perspective from the Labrador and Okhotsk Seas
State Key Laboratory of Isotope Geochemistry, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences Start Fund (SKLaBIG-QD-16-04)
<i>Principal Investigator</i> (100,000 RMB) |
| 2015-2016 | Northwestern Subarctic Pacific Sea Ice Variability and the Okhotsk Intermediate Water Variations during the Middle Pleistocene Transition
Taiwan Ministry of Science and Technology (MOST) Postdoctoral Research Abroad Program (MOST 104-2917-I-564-046)
Advisors: Professors Henry Elderfield and David A. Hodell (Department of Earth Sciences, University of Cambridge)
<i>Principal Investigator</i> (1,300,000 NTD) |

- 2010-2011 Reconstruction of the Deep Water Circulation History by the Boron isotope of Benthic Foraminifera: Pacific-Atlantic Ocean Comparison
Taiwan MOST Graduate Students Study Abroad Program
(100IPFA0100024)
Advisor: Professor Bärbel Hönish (Lamont-Doherty Earth Observatory, Columbia University)
Principal Investigator (350,000 NTD)
- 2011 Using Boron Isotope in Benthic Foraminifers to Evaluate Intermediate Water PCO_2 Changes in the Western Pacific Ocean over the Past 30,000 Years
Climate Center in Lamont-Doherty Earth Observatory, Columbia University
Principal Investigator (8,000 USD)
- 2003-2004 Reconstruction the Past Sea Surface Temperature by Planktonic Foraminiferal Mg/Ca ratios from ODP Site 1115B, Western Pacific Warm Pool. (NSC92-2815-C-002-074-M)
Taiwan MOST Student Project
Principal Investigator (50,000 NTD)

RESEARCH EXPERIENCE

- 2014 Biological diversity and ecosystems in deep sea gas-hydrates reservoirs (MOST 103-3133-M-005-001)
National Energy Program-Phase II (NEP-II), Taiwan
Research Assistant
- 2014 Indo-Pacific Warm Pool Sea Surface Temperature and Hydrological Dynamics during the Past 360,000 Years.
Ph.D. Dissertation
Principal Investigator
- 2013-2014 The prelude to middle Pliocene global warming: A Northwestern Pacific perspective. (NSC102-2116-M-002-020)
Taiwan Ministry of Science and Technology (MOST) Project
Research Assistant
- 2012-2013 To trace the Southwestern Pacific Intermediate water mass histories over the last glacial period by using benthic foraminiferal trace metal/Calcium ratios and Boron isotope proxies. (NSC100-2611-M-002-003)
Taiwan MOST Project
Research Assistant

- 2010-2011 Variations of Temperature, Nutrient and Ventilation Rate for the Intermediate Waters in Western Pacific Over the Past 30,000 Years (NSC99-2611-M-002-005)
Taiwan MOST Project
Research Assistant
- 2009-2010 The Temperature, Nutrient, and Ventilation Rate Variations of the North Pacific Intermediate Water During the Last 100,000 Years: from the Source Area to the Okinawa Trough. (NSC98-2611-M-002-006)
Taiwan MOST Project
Research Assistant
- 2007 Obliquity Pacing of the Expansion and Contraction of the Western Pacific Warm Pool during the Past 740,000 years.
Master Thesis
Principal Investigator

RESEARCH TRAININGS

- Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) Agilent 5100
Department of Earth Sciences, University of Cambridge, UK
- Isotope Ratio Mass Spectrometer for bulk carbonate O-C isotopes, Finnigan MAT DELTA
Department of Geosciences, National Taiwan University (NTU), Taiwan
- Isotope Ratio Mass Spectrometer for Clumped Isotope
Thermo MAT 252 with Kiel IV carbonate device
Department of Earth Sciences, University of Cambridge, UK
- Quadrupole Inductively Coupled Plasma Mass Spectrometer (Q-ICP-MS) AGILENT 7500s
NTU, Taiwan
- Sector Field Inductively Coupled Plasma Mass Spectrometer (SF-ICP-MS)
Finnigan ELEMENT II/XR
High-Precision Mass Spectrometry and Environment Change (HISPEC) Laboratory, NTU, Taiwan and Department of Earth Sciences, University of Cambridge, UK
- Gas Chromatography Mass Spectrometer (GC-MS)
School of Geography, Earth and Environmental Sciences, University of Plymouth, UK
- Thermal Ionization Mass Spectrometer (TIMS) Finnigan TRITON
Lamont-Doherty Earth Observatory, Columbia University and Institute of Earth Sciences, Academia Sinica, Taiwan
- Clean Room
Trace metal analysis standards preparation, experimental spares cleaning, and basic clean room design, HISPEC Laboratory, NTU, Taiwan
- Identification of late Quaternary planktonic and benthic foraminifera fossils
Micropaleontology Laboratory, NTU, Taiwan

CRUISE EXPERIENCE

2019	IODP Expedition 383. Dynamic of Pacific Antarctic Circumpolar Current (DYNAPACC): Sedimentologist team
2009	Taiwan Ocean Research 1 No. 892 Cruise: Core handling and CTD group
2005	IMAGES MARCO POLO and PECTEN Cruise: Core handling group
2004	Taiwan Ocean Research 1 No. 729 Cruise: Core handling group

JOURNAL REVIEWER

Guest reviewer of	<i>Deep Sea Research I, Global and Planetary Changes, Island Arc, Journal of Asian Earth Sciences, Palaeogeography, Palaeoclimatology, Palaeoecology, Paleoceanography and Paleoclimatology, Quaternary International, Quaternary Science Reviews, Scientific Reports, Terrestrial, Atmospheric, and Oceanic Sciences (TAO)</i>
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TEACHING and TEACHING ASSISTANT EXPERIENCE

2014	Introduction to Paleooceanography (<i>Instructor</i>)
2013	Paleontology (<i>TA</i>)
2012-2013	Psychological Insight and Mental Health (<i>TA</i>)
2011	Environmental Geosciences (<i>TA</i>), Introduction of Marine Sciences (<i>TA</i>) (in University of Taipei), and Introduction to Field Geology (<i>TA</i>)
2009	Graduate Student Seminar (<i>TA</i>)
2008	Geo-Analytical Chemistry (<i>TA</i>), Student Service Education, (<i>TA</i>) Graduate Student Seminar (<i>TA</i>)
2006-2014	Evolution and Extinction of Life (<i>TA</i>) (2008-2009 in Soochow University; 2008-2010 as TA group leader)
2005	Earth History Laboratory (<i>Instructor</i>)
2004	Introduction to Global Change (<i>TA</i>)

HONORS and AWARDS

2015	Honorable Corporal, Army of Republic of China, Taiwan
2014	Student Poster Award of Ocean Sciences Conference and Cross-Strait Ocean Sciences Conference
2012	Distinguished Teaching Assistant of NTU, Taiwan
2009, 2010, 2012	Outstanding Teaching Assistant of NTU, Taiwan
2007, 2013	Honorable mention of Taiwan Geosciences Assembly Student Poster Section
2007	Student Poster Award of the 9 th International Conference on Paleooceanography
2006-2008, 2013	Honorable mention of Young Scientist Forum of Department of Geosciences, NTU, Taiwan
2004, 2007	Dean's Award of College of Science, NTU, Taiwan (Bachelor of Science, and Master of Science)
2000	President's List of Department of Geosciences, NTU, Taiwan

SELECTED CONFERENCE CONTRIBUTIONS

Invited Keynote Speech

- **Li Lo**, Simon T. Belt, Julie Lattaud, Tobias Friedrich, Christian Zeeden, Stefan Schouten, Lukas Smik, Axel Timmermann, Patricia C. Sanz, Jyh-Jaan Huang, Liping Zhou, Tsong-Hua Ou, Yuan-Ping Chang, Liang-Chi Wang, Yu-Min Chou, Chuan-Chou Shen, Min-Te Chen, Kuo-Yen Wei, Sheng-Rong Song, Tien-Hsi Fang, Sergey A. Gorbarenko, Wei-Lung Wang, Teh-Quei Lee, Henry Elderfield, David A. Hodell. Atmospheric CO₂ control for precessional variability of sea ice in the Okhotsk Sea since 180,000 years ago. *15th Meeting of the International Association of Radiolarist 2017*

Oral Presentations

- **Li Lo**, Yung-Hsiang Lai, Kuo-Yen Wei, Yu-Shih Lin, Horng-Sheng Mii, Chuan-Chou Shen. Persistent sea surface temperature and declined sea surface salinity in the northwestern tropical Pacific over the past 7,500 years. *The 13th symposium on Quaternary of Taiwan & 3rd International IMAGES/PAGES Workshop of PPP 2013*
- **Li Lo**, Yuan-Pin Chang, Chung-Chou Shen, Min-Te Chen, Kuo-Yen Wei. Invasion of Warm, Saline, and well Ventilated Intermediate Water in Cold Stadials during the Last 30,000 Years? Evidence from the Middle Okinawa Trough Site MD01-2404. *Goldschmidt Meeting 2011*
- **Li Lo**, Chung-Chou Shen, Kuo-Yen Wei, Meng-Yang Lee, Horng-Sheng Mii. High Resolution Sea Surface Temperature Records from the Southern Marginal Indo-Pacific Warm Pool: Deglaciation Timing and Inter-Basin Pattern Differences. *Western Pacific Geophysics Meeting Program 2010*
- **Li Lo**, Kuo-Yen Wei, Chuan-Chou Shen, Huei-Chin Ke, Meng-Yang Lee, and Horng-Sheng Mii. Sea-surface temperature variation during the late Quaternary at the southern margin of the Western Pacific Warm Pool. *Western Pacific Geophysics Meeting Program 2006*

Poster Presentations

- Christopher Moy, Helge W. Arz, Jesse R. Farmer, Julia Gottschalk Shinya Iwasaki, Vera Lawson, Lester Lembke-Jene, **Li Lo**, Elisabeth Michel, Inah Seo, Sui Wan, Frank Lamy, Gisela Winckler, Carlos A. Alvarez Zarikian, Nicole Foucher McColl, Exp. 383 Scientists. Sedimentary perspectives of Pleistocene ocean circulation and climate change from the southernmost Chilean continental margin. *AGU Fall Meeting 2019*
- Christina R. Riesselman, Anieke Brombacher, Oliver Esper, Alexandre de Souza, Elisa Malinverno, Igor Venancio Ana Christina Ravelo, Mariem Saavedra, **Exp. 383 Scientists**. Magneto-biostratigraphic integration of Neogene sequences from the subantarctic Pacific Ocean: Initial results from IODP Exp. 383. *AGU Fall Meeting 2019*
- Frank Lamy, Gisela Winckler, Carlos A. Alvarez Zarikian, **Exp. 383 Scientists**. Investigating the Dynamics of the Pacific Antarctic Circumpolar Current – Initial Results from International Ocean Discovery Program Expedition 383 (DYNAPACC). *AGU Fall Meeting 2019*
- **Li Lo**, Simon Belt, Julie Lattaud, Stefan Schouten, Axel Timmermann, Christian Zeeden, Patricia Cabedo-Sanz, Jyh-Jaan Huang, Liping Zhou, Tsong-Hua Ou, Yuan-Ping Chang, Liang-Chi Wang, Yu-Min Chou, Chuan-Chou Shen, Min-Te Chen, Kuo-Yen Wei, Sheng-Rong Song, Tien-Hsi Fang, Sergey Gorbarenko, Wei-Lung Wang, Teh-Quei Lee, Henry Elderfield, David Hodell. Influence of insolation and greenhouse gases on sea ice variations in the Okhotsk Sea during the past 180,000 years. *AGU Fall Meeting 2016*

- Sebastian F.M. Breitenbach, Fernando Vazquez Sanchez, **Li Lo**, Maryline Vautravers, Fames Rolfe, Stefano Bernasconi, David A. Hodell. Clumped isotopes on phreatic speleothems for estimation of terrestrial palaeotemperatures. *Dolomite Conference on Carbonate Platforms and Dolomite 2016*
- **Li Lo**, David A. Hodell, Henry Elderfield, Jyh-Jaan Huang, Yu-Min Chou, Liang-Chi Wang, Liping Zhou Simon Crowhurst, Kuo-Yen Wei, Chuan-Chou Shen, Min-Te Chen, Wei-Long Wang, Sheng-Rong Song, Teh-Quei, Lee, Yuan-Pin Chang. Multi-proxy reconstruction of time scale for Site MD01-2414 in the Okhotsk Sea, northwestern subarctic Pacific Ocean. *12th International Conference on Paleoceanography 2016*
- Sebastian F.M. Breitenbach, Maryline Vautravers, Anna-Lena Grauel, Stefano Bernasconi, James Rolfe, **Li Lo**, Mervyn Greaves, Henry Elderfield, David A. Hodell. Calibration of $\delta^{18}\text{O}$, Mg/Ca, and clumped isotopes for estimation of temperature and $\delta^{18}\text{O}_{\text{seawater}}$ in planktonic foraminifera. *12th International Conference on Paleoceanography 2016*
- Julie Lattaud, **Li Lo**, Marcel van der Meer, Min-Te Chen, Chuan-Chou Shen, Stefan Schouten. Paleotemperature and paleosalinity reconstructions in the central Okhotsk Sea for the past 1.5 Ma. *27th International Meeting on Organic Geochemistry 2015*
- Chuan-Chou Shen, Yi Liu, **Li Lo**, Zhengguo Shi, Kuo-Yen Wei, Chien-Ju Chou, Yi-Chi Chen, Chih-Kai Chuang, Chung-Che Wu, Horng-Sheng Mii, Hiroshi Amakawa, George Burr, Shih-Yu Lee, Kristine DeLong, Henry Elderfield. Combined obliquity and precession pacing of western Pacific Intertropical Convergence Zone over the past 282,000 years. *AGU Fall Meeting 2015*
- **Li Lo**, Liang-Chi Wang, Yu-Min Chou, Wei-Long Wang, Teh-Quei Lee, and Sheng-Rong Song. 41-kyr sea ice pacing in the Okhotsk Sea during the past 1.6 Ma. *AOGS Meeting 2014*
- Yuan-Pin Chang, Chin-Hsing Liu, Min-Te Chen, Horng-Sheng Mii, Chuan-Chou Shen, Ikehara Ken, Takuya Itaki, Fu-Yi Wu, Chih-Yung Lin, and **Li Lo**. The reconstructed subsurface and intermediate water temperatures and the implications on the long-term Kuroshio main stream change. *AOGS Meeting 2014*
- Chih-Kai Chung, Kuo-Yen Wei, **Li Lo**, Yuan-Pin Chang, Huei-Chin Ke, Chuan-Chou Shen, Horng-Sheng Mii, Meng-Yang Lee, Pin-Chuan Lin. Quaternary high resolution paleoceanography records in the south marginal of Western Pacific Warm Pool. *The 13th symposium on Quaternary of Taiwan & 3rd International IMAGES/PAGES Workshop of PPP 2013*
- Meng-Ting Chiang, Kuo-Yen Wei, Chih-Kai Chung, **Li Lo**. *Pulleniatina* coiling change events during early Pleistocene in ODP 1115B, western equatorial Pacific. *The 13th symposium on Quaternary of Taiwan & 3rd International IMAGES/PAGES Workshop of PPP 2013*
- **Li Lo**, Chuan-Chou Shen, Kuo-Yen Wei, George S. Burr, Horng-Sheng Mii, Min-Te Chen, Shih-Yu Lee, Meng-Chieh Tsai. Millennial meridional dynamics of Indo-Pacific Warm Pool during the last deglaciation. *International Conference on Paleoceanography 2013*
- Meng-Ting Chiang, Kuo-Yen Wei, Chih-Kai Chuang, **Li Lo**. Paleoceanographic changes and population dynamics in two left-coiling events of *Pulleniatina* during early Pleistocene, ODP 1115B, western equatorial Pacific. *AGU Fall Meeting 2013*
- **Li Lo**, Sheng-Pu Chang, Kuo-Yen Wei, Shih-Yu Lee, Yi-Chi Chen, Chih-Kai Chuang, Horng-Sheng Mii, George S. Burr, Min-Te Chen, Ying-Hung Tung, Chuan-Chou Shen. Non-linear response of South-WPWP SST to greenhouse gases forcing changes during the past 360,000 years. *AGU Fall Meeting 2013*
- Chien-Ju Chou, Yi Liu, **Li Lo**, Kuo-Yen Wei, Chuan-Chou Shen. Planktonic foraminifer rare earth elements as a potential new aeolian dust proxy. *AGU Fall Meeting 2012*
- Chuan-Chou Shen, Kuo-Yen Wei, Yung-Hsiang Lai, **Li Lo**, Horng-Sheng Mii. Intensification of the Kuroshio Current and orbit-driven southward shifts of Intertropical Convergence Zone and

Western Pacific Warm Pool in the western Pacific since eight thousand years ago. *Western Pacific Geophysics Meeting Program 2010*

- Yuan-Pin Chang, Yi-Chi Chen, **Li Lo**, Chuan-Chou Shen, Min-Te Chen. The Last Interglacial-Glacial SST Records Derived from Foraminiferal Mg/Ca of the East China Sea (IMAGES core: MD012404) and the Implications on Hydrological Changes. *Western Pacific Geophysics Meeting Program 2010*
- Yi-Chi Chen, Kuo-Yen Wei, **Li Lo**, Chuan-Chou Shen, Meng Yang Lee. Magnitude and timing of thermocline changes in the southwest Pacific warm pool during the last two terminations. *Western Pacific Geophysics Meeting Program 2010*
- Chih-Kai Chuang, Kuo-Yen Wei, Huei-Chin Ke, Meng Yang Lee, Horng Sheng Mii, **Li Lo**. Upper Pliocene-Pleistocene Calcareous Nannofossil Biostratigraphy of ODP1115B in the Solomon Sea, Western Equatorial Pacific. *Western Pacific Geophysics Meeting Program 2010*
- **Li Lo**, Chung-Chou Shen, Kuo-Yen Wei, Meng-Yang Lee, Horng-Sheng Mii. High Resolution Sea Surface Temperature Records from the Southern Marginal Indo-Pacific Warm Pool: Deglacial Timing and Inter-Hemispheric Pattern Differences. *10th International Conference on Paleooceanography 2010*
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