

Li LO 羅立

Associate Researcher
State Key Laboratory of Isotope Geochemistry,
Guangzhou Institute of Geochemistry,
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PROFESSIONAL POSITION

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| Dec. 2016- | Associate Researcher State Key Laboratory of Isotope Geochemistry, Guangzhou Institute of Geochemistry, CAS |
| Oct. 2015 - Oct. 2016 | Postdoctoral Researcher Department of Earth Sciences, University of Cambridge |
| Sep. 2011 - Mar. 2012 | Visiting Scholar Lamont-Doherty Earth Observatory, Columbia University |

EDUCATION

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

FELLOWSHIP

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| Declined | The 2016-2019 independent postdoctoral researcher from Taiwan Ministry of Science and Technology |
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JOURNAL REVIEWER

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| Guest reviewer of | <i>Global and Planetary Changes, Quaternary International, Scientific Reports, Terrestrial, Atmospheric, and Oceanic Sciences (TAO)</i> |
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MILITARY SERVICE

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

- Paleoceanography/paleoclimatology
- Equatorial Pacific thermal and hydrological dynamics
- Subarctic oceans sea ice variations
- Inorganic-organic geochemical proxies development

ACADEMIC SOCIETY

- American Geophysics Union
- Geological Society of Taiwan
- Oceanographic Society of Taiwan
- Chinese Society of Mineralogy, Petrology and Geochemistry

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
- 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

RESEARCH EXPERIENCE

2017-2018

State Key Laboratory of Isotope Geochemistry, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences start fund: The role of sub-arctic sea ice in the Middle Pleistocene Transition: New perspective from the Labrador and Okhotsk Seas. (SKLaBIG-QD-16-04)

- 2015-2016 **Taiwan Ministry of Science and Technology (MOST) Postdoctoral Research Abroad Program:** Northwestern Subarctic Pacific Sea Ice Variability and the Okhotsk Intermediate Water Variations during the Middle Pleistocene Transition. (MOST 104-2917-I-564-046, work with **Professors Henry Elderfield and David A. Hodell, University of Cambridge**)
- 2014 **National Energy Program-Phase II (NEP-II):** Biological diversity and ecosystems in deep sea gas-hydrates reservoirs (MOST 103-3133-M-005-001)
- 2014 **Ph.D. Dissertation:** Indo-Pacific Warm Pool Sea Surface Temperature and Hydrological Dynamics during the Past 360,000 Years.
- 2013-2014 **Taiwan MOST Project :** The prelude to middle Pliocene global warming: A Northwestern Pacific perspective. (NSC102-2116-M-002-020)
- 2012-2013 **Taiwan MOST Project:** 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)
- 2010-2011 **Taiwan MOST Project:** 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 Graduate Students Study Abroad Program:** Reconstruction of the Deep Water Circulation History by the Boron isotope of Benthic Foraminifera: Pacific-Atlantic Ocean Comparison. (100IPFA0100024, work with **Professor Bärbel Hönisch, Lamont-Doherty Earth Observatory, Columbia University**)
- Climate Center in Lamont-Doherty Earth Observatory Project:** Using Boron Isotope in Benthic Foraminifers to Evaluate Intermediate Water PCO_2 Changes in the Western Pacific Ocean over the Past 30,000 Years.
- 2009-2010 **Taiwan MOST Project:** 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)
- 2007 **Master Thesis:** Obliquity Pacing of the Expansion and Contraction of the Western Pacific Warm Pool during the Past 740,000 years.
- 2003-2004 **Taiwan Ministry of Science and Technology (MOST) Student Project:** 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)

TEACHING and TEACHING ASSISTANT EXPERIENCE

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

CRUISE EXPERIENCE

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| 2009 | Ocean Research 1 no. 892 Cruise: Core handling and CTD group |
| 2005 | IMAGES MARCO POLO and PECTEN Cruise: Core handling group |
| 2004 | Ocean Research 1 no. 729 Cruise: Core handling group |

HONOURS and AWARDS

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|------------------|---|
| 2015 | Honourable 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 | Honourable mention of Taiwan Geosciences Assembly Student Poster Section |
| 2007 | Student Poster Award of the 9 th International Conference on Paleooceanography |
| 2006-2008, 2013 | Honourable 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 |

PUBLICATIONS

(* corresponding author)

In review or submitted

- **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. (*Proceedings of the National Academy of Sciences* in review)

- Sebastian F.M. Breitenbach, Maryline Vautravers, Anna-Lena Grauel, **Li Lo**, Stefano Bernasconi, James Rolfe, Fernando Vazquez Sanchez, Mervyn Greeves, Henry Elderfield, David A. Hodell. Calibration of foraminiferal $\delta^{18}\text{O}$, Mg/Ca, and clumped isotopes for estimation of temperature and $\delta^{18}\text{O}$ seawater. (*Geochimica et Cosmochimica Acta* in review)

In progress

- **Li Lo***, Jyh-Jaan Huang, Yu-Min Chou, Liang-Chi Wang, Liping Zhou, Simon Crowhurst, An-Sheng Lee, Kuo-Yen Wei, Teh-Quei Lee, Min-Te Chen, Gongjiang Wei, Sheng-Rong Song, Yuan-Pin Chang, Teh-Quei Lee, Julie Lattaud, Stefan Schouten, Sergey A. Gorbarenko, Henry Elderfield, Chuan-Chou Shen, David A. Hodell. Multi-proxy timescale in the central Okhotsk Sea during the past 1.55 Ma by Site MD01-2414. (to be submitted to *Global and Planetary Changes*)
- **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*)
- Chih-Kai Chuang, **Li Lo**, Kuo-Yen Wei, Horng-Sheng Mii, Meng -Yang Lee, Huei-Chin Ke, Yuan-Pin Chang, Meng-Ting Chiang, Chen-Yin Chen. Planktonic foraminiferal oxygen isotope and magneto-biostratigraphy in the Solomon Sea over the past 3.24 Ma by Site ODP 1115B. (co-first author, to be submitted to *Marine Micropaleontology*)

Published

2017

- **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.

2015

- Yi Liu, **Li Lo**, Zhengguo Shi, Kuo-Yen Wei, Jain-Ru Jhou, Chung-Che Wu , Zicheng Peng, Chuan-Chou Shen. Evolution of Pacific Intertropical Convergence Zone over the past 282,000 years. *Nature Communications* 2015, 6, doi: 10.1038/ncomms 10018 (**Co-first author, SCI IF: 11.47**)
Reported by Editors' Choice, Science, 351 (6264), 1053
- **Li Lo**, *The role of North Pacific in global thermohaline circulation. Science Monthly* 2015, May (in Chinese)

2014

- **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 foraminiferal and coral using cold- and hot-plasma techniques on inductively coupled plasma sector field mass spectrometry. *Journal of Asian Earth Sciences* 2014, 81, 115-122 (**SCI IF: 2.714**)
- 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: 2.811, cover pa-**

per)

- T. Li, C.-C. Shen, L.-J. Huang, X. Jiang, X. Yang, H.-S. Mii, S.-Y. Lee, **Li Lo**. Variability of Asian summer monsoon during the penultimate glacial/interglacial period inferred from stalagmite oxygen isotope records from Yangkou cave, Chongqing, southwestern China. *Climate of the Past* 2014, 10, 1211-1219 (**SCI IF: 4.122**)
- **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. *Climate of the Past*, 2014, 10, 2253-2261 (**SCI IF: 4.122**)
- 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)

2013

- **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: 2.714, top ten hottest paper, 2013**)

2011

- Chuan-Chou Shen, Chung-Che Wu, Yi Liu, Jimin Yu, Ching-Chih Chang, Doan Dinh Lam, Jain-Ru Jhou, **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: 5.856**)
- **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

2010

- 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: 3.982**)
- **Li Lo**. Footnote for the next generation geologists. *Evolution* 2010, (16), 101-105 (in Chinese)

2009

- 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)

2008

- 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)

2007

- 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: 4.051)

SELECTED CONFERENCE CONTRIBUTIONS

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

2016

- **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*.
- Sebastian F.M. Breitenback, 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*
- **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*

- 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*

2015

- 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*
- 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*

2014

- **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*
- 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*

2013

- 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*
- 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*
- **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*
- 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*
- **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*

2012

- 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*

2010

- 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*
- 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*
- 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*
- 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*
- ***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 Paleoceanography*
- 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. *10th International Conference on Paleoceanography*
- Yin Lin, ***Li Lo***, Yue-Gau Chen, Chuan-Chou Shen, Doan Dinh Lam. The Holocene Monsoon discrepancy between Southwest China and Northern Vietnam. *AGU Fall Meeting*

2009

- Meng-Yang Lee, ***Li Lo***, Yi-Chun Lin, Horng-Sheng Mii, Kuo-Yen Wei, and Chuan-Chou Shen. Variability of thermocline hydrography at the southern margin of the Western Pacific Warm Pool during the last 170 ka. *EGU Meeting*
- Yi-Chi Chen, Yuan-Pin Chang, Min-Te Chen, ***Li Lo***, Kuo-Yen Wei, and Chuan-Chou Shen. Intrusion of the Kuroshio Current to the Okinawa Trough during 40-100 thousand years before present? *AGU Fall Meeting*
- ***Li Lo***, Kuo-Yen Wei, Chuan-Chou Shen, Meng-Yang Lee, Horng-Sheng Mii, and Chuan-Chou Shen. The formation of a permanent SST gradient at the Plio-Pleistocene boundary: Highlights from the Western Pacific Warm Pool periphery area. *AGU Fall Meeting*
- Jyh-Jaan Huang, Kuo-Yen Wei, Chuan-Chou Shen, ***Li Lo***, and Chi-Yu Huang. Thermal and hydrological variability in the southern South China Sea over the past 11,600 years. *AGU Fall Meeting*

2008

- ***Li Lo***, Yi-Chun Lin, Meng-Yang Lee, Kuo-Yen Wei, Chuan-Chou Shen, and Horng-Sheng Mii. Changes in vertical hydrological profile at the southern margin of the Western Pacific Warm Pool (WPWP) during the past 168,000 years. *AGU Fall Meeting*
- Yung-Hsiang Lai, Kuo-Yen Wei, Chuan-Chou Shen, Horng-Sheng Mii, and ***Li Lo***. Hydrographic changes of the Kuroshio Current in the upper reach area during the past 6,000 years. *AGU Fall Meeting*

2007

- Kuo-Yen Wei, Li Lo, Chuan-Chou Shen, Huei-Chin Ke, and Meng-Yang Lee, Earth's obliquity regulates the size of the western Pacific warm pool during the late Quaternary. *XVII INQUA Congress, Quaternary International 167-168 Supplement*
- ***Li Lo***, Kuo Yen Wei, Chuan Chou Shen, Huei Chin Ke, Chih Kai Chuang, Meng Yang Lee, and Horng Sheng Mii. Sea Surface Temperature Variation of the Western Pacific Warm Pool at its Southern Margin during the Past 2.2 Ma at ODP Site 1115B, Woodlark Rise. *International Conference on Paleoceanography (Student Poster Award)*
- Yin Lin, Yue-Gau Chen, Chuan-Chou Shen, Hong-Wei Chiang, ***Li Lo***, Ching-Chih Chang, and Doan Dinh Lam. Rainfall fluctuation over the past 4,000 years in Northern Vietnam inferred from stalagmite geochemical data. *AGU Fall Meeting*

2006

- ***Li Lo***, Kuo-Yen Wei, Chuan-Chou Shen, Huei-Chin Ke, Meng-Yang Lee, and Horng-Sheng Mii. The extent of the western Pacific warm pool varied with the Antarctica ice extent during the past 350 kyrs. *AGU Fall Meeting*
- Chuan-Chou Shen, Chia-Jung Lu, ***Li Lo***, Dingchuang Qu, Kuo-Yen Wei, and Michael K. Gagan. Determination of Mg/Ca and Sr/Ca ratios in microgram-quantity coral and foraminiferal samples with permil-level precision by cold plasma inductively coupled plasma sector field mass spectrometry. *AGU Fall Meeting*