

# 个人简历

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网址: <http://faculty.pku.edu.cn/li>; [www.mingsongli.com](http://www.mingsongli.com)

## 1. 教育背景

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2016 年 7 月	博士 中国地质大学 (武汉) 地质学
2014 年 9 月 - 2016 年 8 月	约翰霍普金斯大学 (美) 联合培养博士生
2012 年 7 月	硕士 吉林大学 古生物学与地层学
2009 年 7 月	学士 吉林大学 地质学

## 2. 科研经历

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2020 年 12 月 -	研究员, 北京大学
2019 年 2 月 - 2020 年 12 月	助理研究教授, 宾州州立大学
2017 年 3 月 - 2018 年 12 月	博士后, 宾州州立大学
2016 年 9 月 - 2017 年 2 月	博士后, 乔治梅森大学
2012 年 - 2016 年	助研, 中国地质大学 (武汉)
2009 年 - 2012 年	助研, 吉林大学

## 3. 曾获荣誉

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2020 高引论文, *Computers & Geosciences*, Elsevier  
2019 地球科学 Top 审稿人, Publons, Web of Science Group  
2016 李四光地质科学奖基金会 李四光优秀学生提名奖  
2016 中国地质大学 (武汉) 十佳学术卓越人才  
2016 中国地质大学 (武汉) CUG 学子  
2016 中国地质大学 (武汉) 优秀博士毕业论文  
2014 国家留学基金委联合培养博士生奖学金 (3.84 万美元)  
2012 “中国地质大学 (武汉) 第 23 届研究生科技报告会”特等奖  
2012 “中国地质大学 (武汉) 资源学院 第 23 届研究生科技报告会”一等奖  
2011 中国古生物学会第 26 届学术年会优秀展板报告奖  
2010 “松辽盆地及外围地区油气资源战略调查学术研讨会”学术报告论文一等奖  
2014 同位素-天文年代学工作组会议全额资助, 美国麦迪逊 (1526 美元)  
2012 吉林大学 优秀毕业硕士研究生  
2009 吉林大学 优秀毕业生

## 4. 科研活动

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### (1) 召集主持学术会议

- 2021 欧洲地球科学联合会年会共同召集人: *CL1.8/SSP2.4: Climate response to orbital forcing*
- 2020 美国地球物理学会 (AGU) 秋季年会专题会议主席与召集人: *Astronomical Forcing and Past Climate Cycles*
- 2020 Goldschmidt 专题会议主席与召集人: *New Developments in Deep-Time Paleoceanography: Geochemical Proxies, Cyclostratigraphy & Data Analysis*
- 2019 美国地球物理学会 (AGU) 秋季年会专题会议主席与召集人: *Cyclostratigraphy and Astronomical Forcing of Past Climates*
- 2019 美国地球物理学会 (AGU) 秋季年会专题会议主席与召集人: *Chrono-stratigraphy using Magnetic Methods*
- 2018 美国地球物理学会 (AGU) 秋季年会专题会议主席与召集人: *Cyclostratigraphy and Astrochronology in Deep Time*
- 2018 深时极端气候环境与生物响应国际研讨会专题会议共同主席: *Triassic*
- 2018 欧洲地球科学联合会年会共同召集人: *Session CL1.31: Climate response to orbital forcing*
- 2017 美国地球物理学会 (AGU) 秋季年会专题会议共同主席 PP42B: *Cyclostratigraphy and Astronomical Forcing of Past Climates*
- 2017 美国地质学会 (GSA) 年会专题会议共同召集人 T47: *Recent Developments in Cyclostratigraphy*

(2) 基金评阅人:

美国自然科学基金 NSF, 德国研究基金会 DFG, 波兰国家科学中心

(3) 杂志审稿人:

Publons: <https://publons.com/researcher/1455928/mingsong-li/peer-review/>

(23) *Palaeogeography, Palaeoclimatology, Palaeoecology*, (5) *Journal of Asian Earth Sciences*, (4) *Marine and Petroleum Geology*, (3) *Earth and Planetary Science Letters*, (3) *Geology*, (2) *Computers & Geosciences*, (2) *Cretaceous Research*, (2) *Geological Journal*, (2) *Geophysical Research Letters*, (2) *Global and Planetary Change*, (2) *Journal of King Saud University - Science*, (1) *Arabian Journal of Geosciences*, (1) *Earth-Science Reviews*, (1) *GSA Bulletin*, (1) *Geoscience Frontiers*, (1) *Gondwana Research*, (1) *Journal of Ocean University of China*, (1) *Nature Communications*, (1) *Paleoceanography*, (1) *Paleoceanography and Paleoclimatology*, (1) *Precambrian Research*, (1) *Quaternary Science Reviews*, (1) *Science*, (1) *Scientific Reports*, (1) *Sedimentology*

(4) 学术评委:

2019 *Outstanding Student Presentation Award (OSPA)*, AGU  
 2018 *Outstanding Student Presentation Award (OSPA)*, AGU  
 2017 *Tenth Annual Postdoc Research Exhibition*, Penn State

5. 发表文章

Google Scholar: <https://scholar.google.com/citations?user=NYUXDW0AAAAJ&hl=en>

\* = 通讯作者; # = 指导学生

26. Omid Falahatkah, Ali Kadkhodaie, Ali A. Ciabeghods, **Mingsong Li**, 2021. Cyclostratigraphy of the Lower Triassic Kangan Formation in the Salman gas field, eastern Persian Gulf, Iran. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 561, 110045. <https://doi.org/10.1016/j.palaeo.2020.110045>

25. Haocheng Yu, Kunfeng Qiu, **Mingsong Li**, M. Santosh, Z.G. Zhao, Y.Q. Huang, 2020. Record of the late Paleozoic ice age from Tarim, China. *Geochemistry, Geophysics, Geosystems*, e2020GC009237. <https://doi.org/10.1029/2020GC009237>
24. Zheng Gong, **Mingsong Li**. 2020. *Astrochronology of the Ediacaran Shuram Carbon Isotope Excursion, Oman. Earth and Planetary Science Letters*, 547, 116462. <https://doi.org/10.1016/j.epsl.2020.116462>
23. J. Fred Read, **Mingsong Li**, Linda A. Hinnov, Campbell S. Nelson, Steven Hood. 2020. Testing for astronomical forcing of cycles and gamma ray signals in outer shelf/upper slope, mixed siliciclastic-carbonates: Upper Oligocene, New Zealand. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 555, <https://doi.org/10.1016/j.palaeo.2020.109821>
22. Yang Zhang, James G. Ogg, Matthias Franz, Gerhard H. Bachmann, Michael Szurlies, Heinz-Gerd Röhlings, **Mingsong Li**, Christian Rolf, Karsten Obst. 2020. Carnian (Late Triassic) magnetostratigraphy from the Germanic Basin allowing global correlation of the Mid-Carnian Episode, *Earth and Planetary Science Letters*, 541, 116275, <https://doi.org/10.1016/j.epsl.2020.116275>
21. Chao Ma, **Mingsong Li**. 2020. Astronomical time scale of the Turonian constrained by multiple paleoclimate proxies. *Geoscience Frontiers*. 11, 1345-1352, <https://doi.org/10.1016/j.gsf.2020.01.013>
- # 20. Meng Wang, Honghan Chen, Chunju Huang, David B. Kemp, Tianwu Xu, Hongan Zhang, **Mingsong Li**. 2020. Astronomical forcing and sedimentary noise modeling of lake-level changes in the Paleogene Dongpu Depression of North China. *Earth and Planetary Science Letters*, 535: 116116, <https://doi.org/10.1016/j.epsl.2020.116116>
19. Tan Zhang, Changmin Zhang, Tailiang Fan, Lei Zhang, Rui Zhu, Jinyu Tao, **Mingsong Li**. 2020. Cyclostratigraphy of Lower Triassic terrestrial successions in the Junggar Basin, northwestern China. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 109493. <https://doi.org/10.1016/j.palaeo.2019.109493>
18. **Mingsong Li**, Hubert L. Barnes. 2019. Astronomically forced sphalerite growth in the upper Mississippi Valley District. *Geochemical Perspectives Letters*, 12, 18-22, <https://doi.org/10.7185/geochemlet.1929> [封面文章]
17. Peng Gao, Junsheng Nie, **Mingsong Li**, Pu Li. 2019. Confirmation of a late Miocene subchron C4n.2n-1r from the eastern Qaidam Basin in the NE Tibetan Plateau. *Journal of Geophysical Research: Solid Earth*, <https://doi.org/10.1029/2019JB017936>
16. Matthias Sinnesael, David De Vleeschouwer, Christian Zeeden, Sietske J. Batenburg, Da Silva Anne-Christine, Niels J. de Winter, Jaume Dinarès-Turell, Anna Joy Drury, Gabriele Gambacorta, Frits Hilgen, Linda Hinnov, Alexander J.L. Hudson, David B. Kemp, Margriet Lantink, Jiri Laurin, **Mingsong Li**, Diederik Liebrand, Chao Ma, Stephen Meyers, Johannes Monkenbusch, Sandro Montanari, Theresa Nohl, Heiko Pälike, Damien Pas, Micha Ruhl, Nicolas Thibault, Maximilian Vahlenkamp, Luis Valero, Sébastien Wouters, Huaichun Wu, Philippe Claeys. 2019. The Cyclostratigraphy Intercomparison Project (CIP): consistency, merits and pitfalls. *Earth-Science Reviews*, <https://doi.org/10.1016/j.earscirev.2019.102965>
15. Qingda Su, Junsheng Nie, Zeng Luo, **Mingsong Li**, Richard Heermance, Carmala Garziane. 2019. Detection of strong precession cycles from the late Pliocene sedimentary records of northeastern Tibetan Plateau. *Geochemistry, Geophysics, Geosystems*, <https://doi.org/10.1029/2019GC008447>
14. **Mingsong Li**, Chunju Huang, James Ogg, Yang Zhang, Linda Hinnov, Huaichun Wu, Zhong-Qiang Chen, Zhuoyan Zou. 2019. Paleoclimate proxies for cyclostratigraphy: Comparative analysis using a Lower Triassic marine section in South China. *Earth-Science Reviews*, 189, 125-146, <https://doi.org/10.1016/j.earscirev.2019.01.011>

13. **Mingsong Li**, Linda Hinnov, Lee Kump. 2019. *Acycle*: Time-series analysis software for paleoclimate research and education. *Computers & Geosciences*, 127, 12-22, <https://doi.org/10.1016/j.cageo.2019.02.011>
12. **Mingsong Li**, Linda Hinnov, Chunju Huang, James Ogg. 2018. Sedimentary noise and sea levels linked to land-ocean water exchange and obliquity forcing. *Nature Communications*, 9, 1004, <https://doi.org/10.1038/s41467-018-03454-y>
11. **Mingsong Li**, Lee Kump, Linda Hinnov, Michael Mann. 2018. Tracking variable sedimentation rates and astronomical forcing in Phanerozoic paleoclimate proxy series with evolutionary correlation coefficients and hypothesis testing. *Earth and Planetary Science Letters*, 501, 165-179, <https://doi.org/10.1016/j.epsl.2018.08.041>
10. **Mingsong Li**, Chunju Huang, Weizhe Chen, Linda Hinnov, James Ogg, Wei Tian. 2018. Astrochronology of the Anisian Stage (Middle Triassic) of Guandao section, South China. *Earth and Planetary Science Letters*. 482, 591-606, <https://doi.org/10.1016/j.epsl.2017.11.042>
9. **Mingsong Li**, Yang, Zhang, Chunju Huang, James Ogg, Linda Hinnov, Yongdong Wang, Zhuoyan Zou, Liqin Li. 2017. Astronomical tuning and magnetostratigraphy of the Xujiahe Formation in South China and Newark Supergroup in North America: implications for the Late Triassic time scale. *Earth and Planetary Science Letters*. 475: 207-223, <https://doi.org/10.1016/j.epsl.2017.07.015>
8. **Mingsong Li**, Chunju Huang, Linda Hinnov, James Ogg, Zhong-Qiang Chen, Yang Zhang. 2016. Obliquity-forced climate during the Early Triassic hothouse in China. *Geology*. 44(8): 623-726, <https://doi.org/10.1130/G37970.1> [封面文章]
7. **Mingsong Li**, James Ogg, Yang Zhang, Chunju Huang, Linda Hinnov, Zhong-Qiang Chen, Zhuoyan Zou. 2016. Astronomical-cycle scaling of the End-Permian Extinction and the Early Triassic Epoch of South China and Germany. *Earth and Planetary Science Letters*. 441:10-25, <https://doi.org/10.1016/j.epsl.2016.02.017>
6. Zhuoyan Zou, Chunju Huang, **Mingsong Li**, Yang Zhang. 2016. Climate response to astronomical forcing during the Oligocene-Miocene transition in the equatorial Atlantic (ODP Site 926). *Science China Earth Sciences*. 59(8): 1665-1673, <https://doi.org/10.1007/s11430-016-5311-y>
5. Yang Zhang, **Mingsong Li**, James Ogg, Paul Montgomery, Chunju Huang, Zhong-Qiang Chen, Zhiqiang Shi, Paul Enos, Daniel J. Lehrmann, 2015. Cycle-calibrated magnetostratigraphy of middle Carnian from South China: Implications for Late Triassic time scale and termination of the Yangtze Platform. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 436, 135-166. <https://doi.org/10.1016/j.palaeo.2015.05.033>
4. Yuewu Sun\*, **Mingsong Li**\*, Wenchun Ge, Yanlong Zhang, Dejun Zhang, 2013. Eastward termination of the Solonker–Xar Moron River Suture determined by detrital zircon U–Pb isotopic dating and Permian floristics. *Journal of Asian Earth Sciences*, 75, 243-250. <https://doi.org/10.1016/j.jseaes.2013.07.018>
3. 孙跃武, **李明松**, 赵国伟. 2012. 吉林延边地区早二叠世一个新的陆相地层单位. 地层学杂志, 2012,36(1): 237-245.
2. **李明松**, 孙跃武, 赵国伟. 2011. 吉林延边地区汪清县大兴沟早二叠世华夏植物群的发现及其地质意义. 地球科学进展, 26(3): 339-346.
1. 张淑芹, 刘玉英, **李明松**. 2010. 吉林万昌地区始新世—中新世孢粉组合及其地层意义. 世界地质, 29(3): 357-362.

## 6. 会议摘要

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2021

- # 59. **Meng Wang**, **Mingsong Li**, David B. Kemp, Slah Boulila. 2021. Glacial-driven sea-level changes in the Late Triassic. vEGU General Assembly. EGU21-6117.

## 2020

59. Peng Gao, Junsheng Nie, **Mingsong Li**, Pu Li. 2020. Confirmation of a Late Miocene Subchron C4n.2n-1r from the Eastern Qaidam Basin in the NE Tibetan Plateau. Geological Society of America Annual Meeting.
- # 58. **Meng Wang**, **Mingsong Li**. 2020. Reconstruction of high-resolution lake level and its astronomical forcing during the Paleogene. GeoUtrecht Virtual 2020.
57. **Mingsong Li**, Hubert L. Barnes. 2020. Astronomically forced sphalerite growth and groundwater circulation in the Upper Mississippi Valley District, USA. GeoUtrecht Virtual 2020.
56. **Mingsong Li**, Hubert L. Barnes. 2020. Orbitally forced groundwater circulation and sphalerite growth in the Upper Mississippi Valley District. Goldschmidt Virtual 2020.
55. **Mingsong Li**, Lee R. Kump, Oluwaseyi Ajayi, Daniel Amrhein, Gregory J. Hakim, Steven B. Malevich, Chris Poulsen, Andy Ridgwell, Robert Tardif, Jessica E. Tierney, Fuqing Zhang, Jiang Zhu. 2020. Impact of new observations on improved understanding of the Paleocene-Eocene Thermal Maximum. Goldschmidt Virtual 2020.
54. Thomas Wonik, Arne Ulfers, Matthias Sinnesael, **Mingsong Li**, Christian Zeeden. 2020. Detecting and using Milankovic cycles in borehole logging data: Comparing methods and application to Lake Ohrid. EGU General Assembly. Vienna, Austria.
53. Christian Zeeden, Matthias Sinnesael, **Mingsong Li**, Arne Ulfers, Thomas Wonik. 2020. Systematically probing for Milanković cycles in borehole logging data. The 36th International Geological Congress, Delhi, India.

## 2019

52. Christian Zeeden, Matthias Sinnesael, **Mingsong Li**, Arne Ulfers, and Thomas Wonik. Borehole log cyclostratigraphy: Towards systematic probing for Milankovic cycles in logging data. vol. 21. *Geophysical Research Abstracts*, 2019.
51. J. Fred Read, **Mingsong Li**, Linda A. Hinnov, Campbell S. Nelson, Steven D. Hood. 2019. Are Milankovitch cycles evident in the gamma ray logs of Late Oligocene mixed siliciclastic-carbonates of Tikorangi Formation, Taranaki Peninsula, New Zealand? In: P.J.J. Kamp and A. Pittari eds. Abstract Volume: Geosciences 2019, Hamilton, New Zealand. Geoscience Society of New Zealand Miscellaneous Publication 154A. p. 144.
50. **Mingsong Li**, Lee R. Kump, Fuqing Zhang, Andy Ridgwell, Gregory J. Hakim, Jessica E. Tierney. 2019. Assessing the impact of new observations on improved understanding of the Paleocene-Eocene Thermal Maximum. AGU Fall Meeting, San Francisco, USA.
- # 49. **Meng Wang**, Honghan Chen, **Mingsong Li**. 2019. Tracking Paleogene lake level change and its long-term cyclicities by using sedimentary noise. AGU Fall Meeting, San Francisco, USA.
48. Daniel Amrhein, Gregory Hakim, Lee Kump, **Mingsong Li**, Steven Malevich, Chris Poulsen, Andy Ridgwell, Robert Tardif, Jessica Tierney, Jiang Zhu. 2019. Tropical Variability from the Last Glacial Maximum to Present. AGU Fall Meeting, San Francisco, USA.
47. Jessica Tierney, Steven Malevich, Jiang Zhu, Jonathan King, Chris Poulsen, Andy Ridgwell, **Mingsong Li**, Lee Kump, Robert Tardif, Greg Hakim. 2019. Glacial cooling and climate sensitivity revisited. AGU Fall Meeting, San Francisco, USA.
46. Jessica Tierney, Jiang Zhu, Jonathan King, **Mingsong Li**, Steven Malevich, Chris Poulsen, Andy Ridgwell, Greg Hakim, Robert Tardif, Lee Kump. 2019. A new view of the Eocene greenhouse world from paleoclimate data assimilation. AGU Fall Meeting, San Francisco, USA.



45. Christian Zeeden, Matthias Sinnesael, **Mingsong Li**, Arne Ulfers, and Thomas Wonik. 2019. Towards systematic probing for Milankovic cycles in borehole logging data and complex settings. AGU Fall Meeting, San Francisco, USA.
44. Hwei Duan, Jiyong Jiang, Mingsong Li. 2019. Bridging Chinese Landscape Painting and geosciences. AGU Fall Meeting, San Francisco, USA.
43. Dongyang Liu, Chunju Huang, David Kemp, **Mingsong Li**, Meiyi Yu, William Foster. 2019. Orbital forcing in the Middle Triassic of the eastern Tethys: implications for paleoclimate and eustasy. AGU Fall Meeting, San Francisco, USA.
42. Tan Zhang, Changmin Zhang, **Mingsong Li**, Tailiang Fan. 2019. Cyclostratigraphy of the Lower Triassic terrestrial successions in the Junggar Basin, northwestern China. AGU Fall Meeting, San Francisco, USA.
41. Naihua Xue, Wei Wang, **Mingsong Li**. 2019. Astrochronology and Geochemistry for the Doushantuo Formation of Ediacaran of Yichang in South China. AGU Fall Meeting, San Francisco, USA.
40. Yan Chen, Yang Zhang, James G Ogg, Haishui Jiang, Zhiming Sun, **Mingsong Li**. 2019. Integrated Early Triassic time scale of geomagnetic polarity, cyclostratigraphy, biostratigraphy and geochemical excursions from South China and its global correlation. AGU Fall Meeting, San Francisco, USA.
39. Ying Cui, Els van Soelen, **Mingsong Li**, Wolfram Kürschner. 2019. Permian-Triassic global marine and terrestrial carbon cycle records from the Finnmark platform in Norway. Geological Society of America Annual Meeting, Phoenix, USA.
38. Jessica E. Tierney, Jonathan King, Steven Brewster Malevich, Tripti Bhattacharya, Ran Feng, Jiang Zhu, **Mingsong Li**, Chris J. Poulsen, Alan M. Haywood, Bette Otto-Bliesner, Andy Ridgwell, Greg Hakim, Robert Tardif, Lee R. Kump. 2019. New Views of Warm Worlds from Paleoclimate Data Assimilation. Goldschmidt 2019, Barcelona, Spain.
37. Christian Zeeden, Matthias Sinnesael, **Mingsong Li**, Arne Ulfers, and Thomas Wonik. 2019. Towards systematic probing for Milankovic cycles in borehole logging data and complex settings. STRATI, 3<sup>rd</sup> International Congress on Stratigraphy. Milano, Italy.
36. Christian Zeeden, Matthias Sinnesael, **Mingsong Li**, Arne Ulfers, and Thomas Wonik. 2019. EGU2019-3284: Borehole log cyclostratigraphy: towards systematic probing for Milankovic cycles in logging data. EGU General Assembly. Vienna, Austria.

## 2018

35. **Mingsong Li**, Chunju Huang, James Ogg, Linda Hinnov, Yang Zhang, Weizhe Chen, Wei Tian. 2018. Astrochronology of the end-Permian extinction and the Early-Middle Triassic. Goldschmidt 2018, Boston, USA. [Invited Oral]
34. **Mingsong Li**, Linda Hinnov, Chunju Huang, James Ogg. 2018. Sedimentary noise and Early Triassic sea levels linked to land–ocean water exchange and obliquity forcing. International Symposium on Deep-time Environmental & Climatic Extremes and Biotic Responses, Wuhan, China. [Invited Oral]
33. **Mingsong Li**, Linda Hinnov, Lee Kump. 2018. A time-series analysis software package (*Acycle*) for paleoclimate research and education. AGU Fall Meeting, Washington DC, USA. [Poster]
32. Naihua Xue, Chengguo Guan, Bo Wang, **Mingsong Li**. 2018. Astronomical Time Scale of the Ediacaran Period of South China. AGU Fall Meeting, Washington DC, USA. [Poster]
31. **Mingsong Li**, Lee R. Kump, Linda A. Hinnov, Michael E. Mann, Andy Ridgwell. 2018. New methods for astrochronological calibration of paleoclimate proxies and significance for deep time data assimilation. The 3rd DeepMIP meeting, Bristol, UK. [Oral]

## 2017

30. **Mingsong Li**, Yang Zhang, Chunju Huang, James Ogg, Linda Hinnov, Yongdong Wang, Zhuoyan Zou, Liqin Li, Stephen Grasby, Yijiang Zhong, Keke Huang. 2017. Astrochronology and magnetostratigraphy of the Xujiahe Formation of South China and Newark Supergroup of North America: implications for the Late Triassic time scale. AGU Fall Meeting, New Orleans, USA. [Poster]
29. Lee Kump, **Mingsong Li** (presenter), Linda Hinnov. 2017. Tracking variable sedimentation rates in orbitally forced paleoclimate proxy series. AGU Fall Meeting, New Orleans, USA. [Poster]
28. **Mingsong Li**, Yang Zhang, James Ogg, Chunju Huang, Linda Hinnov, Zhong-Qiang Chen. 2017. Triassic Time Scale from Astronomical-tuned Magnetostratigraphy. Geological Society of America Abstracts with Programs. 49(6), doi: 10.1130/abs/2017AM-302748. [Oral]
27. Yan Chen, Yang Zhang, James Ogg, **Mingsong Li**, Zhong-Qiang Chen, Chengyi Tu, Daoliang Chu. 2017. Magnetostratigraphy of the continental reference section for latest Permian through Early Triassic of North China at Dayulin (Henan province). Geological Society of America Abstracts with Programs. 49(6), doi: 10.1130/abs/2017AM-301904. [Oral]
26. **Mingsong Li**, Yang Zhang, James Ogg (presenter), Chunju Huang, Zhong-Qiang Chen, Linda Hinnov. 2017. Triassic TimeScale from Astronomical-tuned Magnetostratigraphy. The 4th International Conference of Geobiology. Wuhan, China [Oral]
25. **Mingsong Li**, Chunju Huang, James Ogg, Linda Hinnov, Yang Zhang, Zhong-Qiang Chen. 2017. Cyclo-magnetostratigraphy of the global Triassic. The First CUG Forum for Overseas Young Scholars. China University of Geosciences (Wuhan) [Oral]
24. Wei Liu, Huaichun Wu, Linda Hinnov, Chao Ma, **Mingsong Li**. 2017. Astronomically forced deposition in the Early Cretaceous Songliao synrift basin, China and its paleoclimatic implications. Joint 52nd Northeastern Annual Section / 51st North-Central Annual Section Meeting – 2017, Geological Society of America Abstracts with Programs. 49(2), doi: 10.1130/abs/2017NE-290749. [Oral]

## 2016

23. Linda Hinnov, **Mingsong Li**, Chunju Huang. 2016. Bio-cyclo-magneto-stratigraphy solves longstanding problems of the global Triassic: astronomically paced aquifer-eustasy, interregional platform correlation, and geologic time. AGU Fall Meeting, San Francisco, USA. [Invited oral]
22. **Mingsong Li**, Chunju Huang, Linda Hinnov, James Ogg, Yang Zhang. 2016. On the timescale controversy of the Spathian substage (Early Triassic) in South China. Geological Society of America Annual Meeting, Denver, USA. [Poster]
21. **Mingsong Li**, Chunju Huang, Linda Hinnov, Weizhe Chen, Wei Tian. 2016. Astronomical-cycle scaling of the Anisian Stage in South China: implications for biotic recovery following the end-Permian mass extinction. Geological Society of America Annual Meeting, Denver, USA. [Oral]
20. Yang Zhang, **Mingsong Li**, James Ogg, Linda Hinnov, Chunju Huang, Zhong-Qiang Chen. 2016. Cycle-calibrated magnetostratigraphy and time scales for the Early and early-Late Triassic. International Geological Congress, Cape Town, South Africa. [Oral]

## 2015

19. **Mingsong Li**, Chunju Huang, Linda Hinnov. 2015. Testing multiple paleoclimatic proxies in a Triassic marine record from China. AGU Fall Meeting, San Francisco, USA. [Poster]
18. **Mingsong Li**, Chunju Huang, Linda Hinnov. 2015. Intermittent obliquity-forced climate during the Early Triassic. Geological Society of America Annual Meeting in Baltimore, MD, USA. [Oral]
17. **Mingsong Li**, Chunju Huang, Linda Hinnov, James Ogg, Yang Zhang, Zhong-Qiang Chen, Zhuoyan Zou. 2015. An astronomical time scale for Triassic ecosystem recovery in South China. Geological Society of America Annual Meeting in Baltimore, MD, USA. [Poster]
16. Yang Zhang, **Mingsong Li**, James Ogg, Paul Montgomery, Chunju Huang, Zhong-Qiang Chen, Zhiqiang Shi, Paul Enos, Daniel J. Lehrmann, 2015. Cycle-calibrated Magnetostratigraphy of middle Carnian from South China: Implications for Late Triassic Time Scale and Termination of the Yangtze Platform. Geological Society of America Annual Meeting in Baltimore, MD, USA. [Oral]
15. **Mingsong Li**, Linda Hinnov, Chunju Huang, James Ogg, Zhong-Qiang, Chen, Yang Zhang. 2015. Cyclostratigraphy and Integrated Time Scale of the Early Triassic. 2nd Boreal Triassic Conference and 12th International Workshop on the Permo-Triassic, Svalbard, Norway. [Oral]
14. **Mingsong Li**, Chunju Huang, Linda Hinnov. 2015. Multiple proxies of ancient climate and sea-level change: A Permian-Triassic transition example. Geological Society of America Southeastern Section - 64th Annual Meeting. Chattanooga, Tennessee, USA. [Oral]

#### 2014

13. **Mingsong Li**, James Ogg, Chunju Huang, Yang Zhang, Zhong-Qiang Chen, Linda Hinnov, 2014. Astrochronology of the Early Triassic from South China, IsoAstro Geochronology Workshop: The integration and intercalibration of radioisotopic and astrochronologic time scales, Madison, USA. [Oral]
12. **Mingsong Li**, Chunju Huang, James Ogg, Yang Zhang, Zhong-Qiang Chen, Linda Hinnov, 2014. Cyclostratigraphy of the Early Triassic from South China. The Third Conference on Earth Systems Science, Shanghai, China. [Oral]
11. **Mingsong Li**, Chunju Huang, Zhong-Qiang Chen, Yang Zhang, Linda Hinnov, James Ogg, 2014. Astrochronology of the Early Triassic from South China and the Earth system model, The 3rd International Conference of Geobiology – Combing ancient records with the present day observations. Wuhan, China. 100-101. [Oral]

#### 2013

10. **Mingsong Li**, Chunju Huang, Yang Zhang, Zhuoyan Zou, James Ogg, 2013. Astronomical calibration of the duration of the Induan Stage (Early Triassic), The 11th National Congress of the Palaeontological Society of China (PSC) and the 27th Annual Conference of PSC, Dongyang, China, p. 119. [Oral]
9. **Mingsong Li**, Chunju Huang, Yang Zhang, Zhuoyan Zou, Shifeng Tian, Xiaoqing Liu, 2013. High-resolution rock color series of the Permian-Triassic succession at Xiakou section, Yichang, Hubei Province and its response to orbital forcing, Abstract of the 5th National Symposium on Sedimentology, Hangzhou, China, 431-432. [Oral]
8. **Mingsong Li**, Chunju Huang, Yang Zhang, Shifeng Tian, Zhuoyan Zou, Xiaoqing Liu, 2013. Astrochronology of the Griesbachian substage (Lower Triassic) from Xiakou section, Hubei Province, South China, in Zhong-Qiang Chen, Hao Yang, Genming Luo.



(Eds.), World Summit on P-Tr Mass Extinction & Extreme Climate Change, Wuhan, China, 42-43. [Oral]

7. 李明松, 孙跃武, 葛文春, 张兴洲, 张凤旭, 张淑芹, 张彦龙, 赵国伟, 张德军. 2013. 西拉木伦河缝合带在吉林省的东延位置: 第六届构造地质与地球动力学学术研讨会, 长春 [展板]

2012

6. 李明松, 孙跃武, 张兴洲, 葛文春, 2012. 嘎呀河—图们江: 古亚洲洋最东端的关闭位置[C], 第二届深海研究与地球系统科学学术研讨会, 上海, p. 53-54. [展板]

2011

5. 李明松, 孙跃武, 葛文春, 张彦龙. 2011. 吉林延边地区开山屯植物群的时代——碎屑锆石 U-Pb 年代学约束[C]. 中国古生物学会第 26 届学术年会论文摘要集, 贵州关岭, 99-100. [优秀展板报告奖]
4. Yuewu Sun, Xingzhou Zhang, **Mingsong Li**, 2011, New material on Permian phytogeography in the Yanbian area, eastern Jilin Province, China: Proceedings of the Proc Russian Sci Conference with foreign participants on Geological processes in the lithospheric plates subduction, collision, and slid environments, Dalnauka, Vladivostok, 153.
3. 孙跃武, 张淑芹, 李明松, 张德军. 2011. 华北板块东北缘石炭-二叠纪地层序列[C]. 中国古生物学会第 26 届学术年会论文摘要集. 贵州关岭, 91-92. [口头]

2010

2. 李明松, 孙跃武, 赵国伟. 2010. 吉林延边地区二叠纪植物地理区系[C]. 中国古生物学会古植物学分会第七届会员代表大会暨 2010 年学术年会论文摘要集. 云南景洪. 32. [口头]
1. 李明松, 赵国伟, 王成文, 孙跃武. 2010. 西拉木伦河缝合带在延边地区的东延——来自汪清大兴沟华夏植物群的证据[C]. 见: 松辽盆地及外围地区油气资源战略调查学术研讨会. 松原. 69-70. [口头, 会议论文一等奖]

## 7. 讲座

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12. 宾州州立大学, 美国宾夕法尼亚州, 2020 年 2 月 14 日
11. 理海大学, 美国宾夕法尼亚州, 2019 年 9 月 6 日, 受邀报告
10. 乔治梅森大学, 美国弗吉尼亚州, 2019 年 3 月 28 日, 受邀报告
9. 宾州州立大学, 美国宾夕法尼亚州, 2018 年 9 月 21 日
8. 中国科学院南京古生物与地质研究所, 中国江苏南京, 2018 年 5 月 11 日, 受邀报告
7. 南京大学, 中国江苏南京, 2018 年 5 月 9 日, 受邀报告
6. 中国地质大学(武汉). 中国湖北武汉, 2018 年 3 月 26 日(邀请报告)
5. 普渡大学, 美国印第安纳州西拉法叶, 2018 年 1 月 18 日(邀请报告)
4. 北京大学, 中国北京, 2017 年 10 月 19 日(邀请报告)
3. 宾夕法尼亚州立大学. 美国宾夕法尼亚州州学院, 2017 年 4 月 14 日
2. 中国地质大学(武汉). 中国湖北武汉, 2017 年 3 月 19 日(邀请报告)
1. 乔治梅森大学, 大气、海洋与地球科学系, 地质学讲座, 美国弗吉尼亚州费尔法克斯 2015 年 10 月 8 日

## 8. 教学经验

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- 2020 宾州州立大学, 临时讲师: 地球生物学  
2019 理海大学, 受邀短期培训课: Acycle 时间序列分析软件及其在古气候研究中的应用  
2016 乔治梅森大学, 助课和实习课: 沉积地质学、古海洋学  
2014 中国地质大学(武汉), 助教: *Astronomical Forcing of the Paleoclimate System*

## 9. 指导学生

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张皓天: 北京大学, 直博生, 2021年9月-2026年7月, 导师

Asbar Abbasi: Islamic Azad University, Tabriz Branch, Iran 博士生, 2020年至今, 副导师

王蒙: 中国地质大学(武汉)与宾州州立大学联合培养博士生, 2019年7月-2020年9月, 外方导师

## 10. 科研项目

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11. 2021年1月 – 2024年12月, 国家自然科学基金面上项目《基于沉积噪音模型的中德早三叠世湖平面与海平面变化机制研究》, 主持
10. 2017年3月 – 2020年12月, Heising-Simons Foundation, “Paleoclimate Data Assimilation for Deep Time”, 主要参与者
9. 2016年9月 – 2017年2月, NSF-Standard Grant-OCE-1303605, “Collaborative Research: The relationship between multi-year droughts in California, coupled ocean-atmosphere climate oscillations and climate forcing”, 参与
8. 2014年1月 – 2016年12月, 国家自然科学基金优秀青年基金(41322013)“天文旋回与深时全球变化”, 第5参加人
7. 2014年1月 – 2016年12月, 国家自然科学基金青年基金(41302113)“川西坳陷上三叠统须家河组米兰科维奇旋回的识别及天文年代标尺建立”, 第4参加人
6. 2012年1月 – 2014年12月, 国家自然科学基金青年基金项目(41102004)“吉林中部地区石炭系牙形刺研究”, 第3参加人
5. 2012年9月 – 2014年12月 973项目(2012CB822000-G)“晚中生代温室地球气候—环境演变”子课题, 参与
4. 2011 – 2012 中国地质调查局沈阳地调中心“东北地区泥盆—石炭纪地层划分对比及油气资源前景研究”参与
3. 2011 – 2012 中国地质科学院矿产资源研究所“天山—兴蒙构造带石炭—二叠系对比研究”参与
2. 2011年1月 – 2012年12月 教育部重点实验室平台项目“吉林延边地区晚古生代古生物地理区划”第2参加人
1. 2009年9月 – 2012年7月 全国油气资源战略选区调查与评价国家专项(第二批)“松辽盆地及外围上古生界油气资源战略选区”子项目“松辽盆地及外围上古生界石油地质综合研究”(14B09XQ1201), 参与

## 11. 专业软件开发

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**Acycle 软件:**

<https://github.com/mingsongli/acycle/wiki>; <https://mingsongli.com/acycle>

图形界面、跨平台的时间序列分析软件, 为世界各地的数百位古气候研究者提供便利, 用户来自耶鲁大学、普林斯顿大学、哥伦比亚大学、卡尔加里大学、澳大利亚国立大学、乌德勒支大学、帕多瓦大学、巴西国家观测局、中国科学院、北京大学、兰州大学、中国地质大学、中国石油大学等单位