

古生物学院 2024 年研究生国家奖学金
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1. 成绩单



沈阳师范大学研究生成绩单

培养单位：古生物学院	专 业：生物学
姓 名：应翹而	学 号：22585004
学生类别：全日制硕士	研究方向：古植物学
学位课学分：21	总 学 分：33

课程编号	课程名称	课程类型	学分	成绩	属性	上课学期
10001001	新时代中国特色社会主义思想理论与实践	学位课	2	88	正常	2022-2023 第一学期
10001003	马克思主义与社会科学方法论	学位课	1	88	正常	2022-2023 第一学期
10001004	通识学术英语 1	学位课	3	84	正常	2022-2023 第一学期
10001005	通识学术英语 2	学位课	3	83	正常	2022-2023 第二学期
11801002	古生物地理学	学位课	3	93	正常	2022-2023 第二学期
11801003	古生物学原理	学位课	3	89	正常	2023-2024 第二学期
11801004	古植物学专题	学位课	3	96	正常	2022-2023 第一学期
11801006	古无脊椎动物专题	学位课	3	94	正常	2022-2023 第一学期
11801008	专业外语	非学位课	2	94	正常	2022-2023 第一学期
11801009	学术论文写作	非学位课	2	86	正常	2022-2023 第二学期
11801012	微体古生物学	非学位课	2	90	正常	2022-2023 第二学期
11801013	古昆虫学	非学位课	2	88	正常	2022-2023 第二学期
11801016	分子古生物学	非学位课	2	90	正常	2023-2024 第一学期
99901014	数字媒体设计	非学位课	2	91	正常	2022-2023 第二学期

沈阳师范大学研究生院

2024 年 9 月 11 日

2. 学术论文

① 《Palynological evidence for the Late Cretaceous lake transgression event in the Songliao Basin, NE China》

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Short communication

Palynological evidence for the Late Cretaceous lake transgression event in the Songliao Basin, NE China



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ABSTRACT

The lake transgression event (LTE) associated with a lake anoxic event (LAE) has been reported previously from the Cretaceous Nenjiang Formation in the Songliao Basin, NE China. Detailed studies based on sedimentology, dinoflagellates, ostracods, and biomarkers have provided important evidence for this LTE in Member 1 of the Nenjiang Formation (K₂n¹). However, the related floristic record has not received enough attention. In this paper, palynological data of borehole Ji Tao Di-1 (JTD-1) from the western slope of the Songliao Basin were analyzed to investigate vegetation and climate changes associated with this Cretaceous LTE. Three palynological sub-assemblages reflect significant paleovegetation and paleoclimate changes through this LTE and reveal ecosystem fluctuations related to the global Cretaceous oceanic anoxic event (OAE3). A significant increase in the relative abundance of *Schizaeoisporites* and *Cyathidites* spores may represent the LTE in the Nenjiang Formation. Principal Components Analysis (PCA) and Sporomorph EcoGroup (SEG) model indicate that climate changed from cool and humid subtropical before the LTE, to relatively warm temperate during the LTE and temperate after the LTE in this area. The relatively warmer and drier climate during the later period of the LTE may be influenced by the contemporaneous OAE3. After the LTE, the highland mixed forests were dominant, and a large number of angiosperms (i.e., members of the Proteaceae) occupied the ecological niches of the middle canopy, indicating that the flourishing of angiosperms in the late Santonian may be closely related to environmental disturbances resulted from the LTE and OAE.

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② 《*Ginkgoites manchurica* from the Lower Cretaceous Shahezi

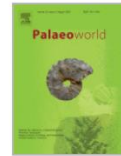
Formation of Liaoning, China, and its palaeoclimate implications》



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Ginkgoites manchurica from the Lower Cretaceous Shahezi Formation of Liaoning, China, and its palaeoclimate implications

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Abstract

The extreme greenhouse climate during the period of oceanic anoxic events (OAEs) in the Cretaceous is recognized based on marine stratigraphy, whereas the palaeoclimate remains poorly understood based on the terrestrial record due to the limitations of quantitative methods. The nearest living equivalent method, such as using the stomatal index of *Ginkgo* as a proxy, provides insight into reconstructing

3. 科研立项

2024-2025 年度研究生科研项目

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