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黄土炭屑分级统计方法及其在火演化研究中的意义

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摘要: 在综合了炭屑筛选法和炭屑花粉流程分析法的基础上, 设计了一套从黄土、古土壤和古文化层中提取不同粒径炭屑的新途径——黄土炭屑分级统计方法, 对不同粒级的炭屑进行分析和统计. 筛选法提取、统计粒径在125 μm 以上的炭屑颗粒, 作为地方性火活动的替代指标; 而用炭屑花粉流程分析方法获取粒径在125 μm 以下的炭屑颗粒, 作为区域性火活动的替代指标. 黄土炭屑分级统计方法提高了炭屑研究的精度, 丰富了黄土火演化研究的内容, 是建立黄土高原火演化历史, 研究植被演替和生态特征的重要途径, 在认识黄土高原气候变化, 探讨人类活动及其环境效应等方面具有重要意义.

关键词: 黄土; 炭屑; 分级统计方法; 火演化

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