

## Types and Characteristics of Typical Landslides Triggered by “5.12” Wenchuan Earthquake

LI Xiuzhen<sup>1 2</sup>, KONG Jiming<sup>1 2</sup>

(1. Key Laboratory of Mountain Hazards and Surface Processes, CAS, Chengdu 610041, China;

2. Institute of Mountain Hazards and Environment, CAS, Chengdu 610041, China)

**Abstract:** By investigating typical earthquake-induced landslides in the field, the landslides triggered by “5.12” Wenchuan earthquake were classified into 4 kinds of basic types: slide type landslides, slide-flow type landslides, fall-slide type landslides and fall-eject-slide type landslides according to movement characteristics and modes of the landslides. Moreover, according to the characteristics of sliding and material composition of the landslides and macro disrupted degree of sliding mass, sliding landslides were classified into 3 kinds of secondary types: coherent landslides, disrupted landslides and debris landslides. On the basis, basic characteristics, especially movement characteristics and processes for all types of landslides was thoroughly analyzed by different types of typical landslides cases. It is not only helpful to comprehensively understanding the types and characteristics of earthquake-induced landslides, but also can provide a mitigation and prevention basis for future earthquake-induced landslides.

**Key words:** Wenchuan earthquake; earthquake-induced landslides; types; characteristics

---

### 消息 1: 《山地学报》网上投稿系统开始运行

尊敬的作者及审稿专家 《山地学报》网上投稿、审稿系统开通了,为了方便,本刊网上投稿系统网站名有所改变,现更名为: [www.sdxbl983.com](http://www.sdxbl983.com) 这将是本刊投入使用的正式网站名。作者投稿请登录站点 <http://www.sdxbl983.com> 投稿时请仔细阅读本刊来稿要求,并同时向编辑部寄交与电子文档一样的纸质稿一份。我们的投稿系统网特别开辟了网上科普知识和考察游记栏,欢迎广大作者、读者赐稿。目前本系统处在试运行阶段,希望提出改进意见,帮助我们使其更加完善。

(然子桐)