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| Titolo | Progress of Geo-Disaster Mitigation Technology in Asia / / edited by Fawu Wang, Masakatsu Miyajima, Tonglu Li, Wei SHAN, Teuku Faisal Fathani |
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| Altri autori (Persone) | WangFawu |
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| Soggetti | Natural disasters<br>Ecology<br>Physical geography<br>Natural Hazards<br>Environmental Sciences<br>Earth System Sciences |
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| Livello bibliografico | Monografia |
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| Nota di bibliografia | Includes bibliographical references. |
| Nota di contenuto | Damage by the 2011 Great East Japan earthquake and tsunami -- Geological prerequisites for landslide dams' disaster assessment and mitigation in Central Asia -- Social benefits of landslide prevention and mitigation in Hong Kong, China -- Advances of geo-disaster mitigation technologies in Taiwan -- The mechanisms for initiation and motion of Chinese loess landslides -- Geo-disaster and its mitigation in Nepal -- Hybrid socio-technical approach for landslide risk reduction in Indonesia -- Damage and recovery from the 1999 Chichi Earthquake in Taiwan -- Key factors influencing the mechanism of rapid and long runout landslides triggered by the 2008 Wenchuan earthquake, China -- Strong ground motion prediction for scenario earthquakes -- Stability analysis of loess slopes based on reliability concepts -- Loess deposit and loess landslides on the Chinese loess plateau. |
| Sommario/riassunto | This book includes the recent 10-year achievement of geo-disaster mitigation by leading Asian scientists from Japan, China, Indonesia, Korea, Iran and Far East of Russia. Case studies on recent occurred |

geo-disasters in Asian region have been presented. The forming mechanics of hazards such as earthquake and landslide are deeply discussed, and the disaster mitigation technology for building and pipeline safety, landslide hazard assessment and risk management are introduced.