

1. Record Nr.	UNINA9910688591903321
Titolo	Earthquakes : From Tectonics to Buildings // edited by Walter Salazar
Pubbl/distr/stampa	London : , : IntechOpen, , 2021
Descrizione fisica	1 online resource (224 pages)
Collana	Earthquakes, ; ; Volume 3
Disciplina	551.22
Soggetti	Geology, Structural Seismology Earthquakes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Earthquakes - From Tectonics to Buildings is a compilation of eight chapters that explain tectonics and seismicity. The book presents state-of-the-art techniques for calculating ground motion amplification due to sediments above the engineering bedrock employing strong-motion recordings and microtremor data. It also explains liquefaction phenomena through interpretive structural modeling techniques. Finally, the book presents pile foundations' seismic behavior on liquefiable soils and remedial countermeasures against earthquake attacks.