

1. Record Nr.	UNINA9911022370203321
Autore	Kryvenko Pavlo V
Titolo	Earthquake Engineering
Pubbl/distr/stampa	Zurich : , : Trans Tech Publications, Limited, , 2024 ©2024
ISBN	9783036413495 3036413499
Edizione	[1st ed.]
Descrizione fisica	1 online resource (817 pages)
Altri autori (Persone)	KolisnychenkoStanislav
Disciplina	624.1762
Soggetti	Earthquake engineering Earthquake resistant design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Earthquake Engineering -- Preface -- Table of Contents -- Chapter 1: Analysis of Seismic Behaviour and Seismic Resistance of Structural Members -- Numerical Investigation of the Effects of Opening on the Strength of Masonry Wall -- Laboratory Testing and Numerical Analysis on Reinforced Concrete Frames with Prefabricated Cellular Lightweight Concrete (CLC) -- A Bending Test Set-Up for the Investigation of the Bond Properties of FRCM Strengthenings Applied to Masonry Substrates -- A Simplified Modelling Approach for the In-Plane Analysis of Masonry Structures Strengthened by FRCMs -- Study on Seismic Performance of C105 Prestressed High Strength Concrete Hollow Pipe Pile -- Impact Response of Reinforced Concrete Columns with Different Axial Load under Low-Velocity Impact Loading -- Optimum Shear Walls Distribution in Framed Structures for Buildings Subjected to Earthquake Excitations -- Study the Impacts of Aggregate's Geometry and Cement Contents on Fresh and Hardened Properties of Concrete -- Numerical Simulations of Masonry Elements Strengthened through Fibre-Reinforced Mortar: Detailed Level Modelling Using the OOFEM Code -- Experimental Out-of-Plane Behaviour of a Rammed Earth Sub-Assemblage Subjected to Seismic Inputs -- Design Criteria for Masonry Reinforcement with Composite Reinforced Mortars (CRM) -- Grout Injection Effect on the Shear

Behavior of FRCM Strengthened Stone Masonry Panels -- Half-Scale Tests on Masonry Panels Strengthened with Pultruded FRP Frames -- Simulation of the Response of Multi-Story Buildings with Concrete-Silica Fume and Concrete-Liquid Carbon Dioxide -- Influence of the P-Delta Effect on the Design of Steel Moment Resisting Frame in Seismic Areas -- Seismic Performance of Eccentrically Braced Frames with Shear Link -- Amplification Factor for Wood-Concrete Hybrid Structures Based on Dynamic Numerical Simulation -- Vulnerability and Reliability Analysis of Existing Reinforced Concrete Buildings: Case Study -- A Deployable Brace Model with Joint Clearance and Strut Eccentricity in Seismic Design -- Numerical Investigation on the CFRP Strengthened Steel Frame under Earthquake -- Response Spectrum with Uncertain Damping Using Artificial Neural Networks -- Experimental Study on the Seismic Behavior of Semi-Precast Reinforced Concrete High-Rise Buildings Using Shaking Table -- Study on Seismic Absorption Performance of Assembled Shear Wall Structure under Pre-Stressed Constraint -- Evaluation of Structure Performance under Seismic Load with Non-Liner Time History on High-Rise Building Affected by Kendeng Fault Earthquake Simulation -- Torsional Behavior of Irregular RC Building under Static and Dynamic Loading -- Numerical Analysis of Masonry Structures through a Modified Composite Interface (MCI) Model

Sommario/riassunto

Aggregated Book.