

## عنوان مقاله:

SEISMIC RELIABILITY ANALYSIS FOR VULNERABILITY ASSESSMENT AND PERFORMANCE-BASED DESIGN  
OF IRREGULAR BUILDINGS

## محل انتشار:

ششمین کنفرانس بین المللی زلزله شناسی و مهندسی زلزله (سال: 1390)

تعداد صفحات اصل مقاله: 14

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## خلاصه مقاله:

an overview is presented about the influence of different types of structural irregularities on the nonlinear dynamic response and on the reliability functions of multi-story buildings subjected to seismic excitations of different intensities . attention is focused on the following types or irregularities : a) vertically irregular systems characterized by significant variations of the floor masses , the story strength and stiffness properties and the safety factors with respect to story shear associated with linear seismic response , b) in-plan irregular systems characterized by significant eccentricities of the story shear-forces determined by linear dynamic response analysis with respect to the corresponding centres of lateral strength and stiffness

## کلمات کلیدی:

irregular building structures, seismic vulnerability assessment , reliability -based seismic design

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/115277>

