this respect, self-centering dissipative high-performance systems,	

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dynamic actions. During moderate earthquakes the isolated structure acts as absorber of the kinetic energy at the isolation levels, minimizing thus the displacements of the building. During strong earthquakes the e ectiveness of the system in further enlarging the period of the building, compared to the classical method of earthquake isolation at a unique level, is achieved with decreased inter-storey de ections, and without introducing extensive displacements at the building base, which are o en limited by practical constraints. In parametric studies conducted most e ective vertical distributions of earthquake isolation at various storey-levels are proposed, based on multi-criteria analyses of the isolated systems responses.

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