

Mehdi Poursha

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A consecutive modal pushover procedure for estimating the seismic demands of tall buildings. <i>Engineering Structures</i> , 2009, 31, 591-599. | 5.3 | 125 |
| 2 | The extended consecutive modal pushover procedure for estimating the seismic demands of two-way unsymmetric-plan tall buildings under influence of two horizontal components of ground motions. <i>Soil Dynamics and Earthquake Engineering</i> , 2014, 63, 162-173. | 3.8 | 53 |
| 3 | A consecutive modal pushover procedure for nonlinear static analysis of one-way unsymmetric-plan tall building structures. <i>Engineering Structures</i> , 2011, 33, 2417-2434. | 5.3 | 52 |
| 4 | A single-run multi-mode pushover analysis to account for the effect of higher modes in estimating the seismic demands of tall buildings. <i>Bulletin of Earthquake Engineering</i> , 2015, 13, 2347-2365. | 4.1 | 28 |
| 5 | A non-adaptive displacement-based pushover procedure for the nonlinear static analysis of tall building frames. <i>Engineering Structures</i> , 2016, 126, 586-597. | 5.3 | 27 |
| 6 | Adaptive Force-Based Multimode Pushover Analysis for Seismic Evaluation of Midrise Buildings. <i>Journal of Structural Engineering</i> , 2018, 144, . | 3.4 | 22 |
| 7 | The modified and extended upper-bound (UB) pushover method for the multi-mode pushover analysis of unsymmetric-plan tall buildings. <i>Soil Dynamics and Earthquake Engineering</i> , 2015, 71, 114-127. | 3.8 | 19 |
| 8 | Seismic evaluation of vertically irregular building frames with stiffness, strength, combined-stiffness-and-strength and mass irregularities. <i>Earthquake and Structures</i> , 2015, 9, 353-373. | 1.0 | 17 |
| 9 | Seismic evaluation of geometrically irregular steel moment resisting frames with setbacks considering their dynamic characteristics. <i>Bulletin of Earthquake Engineering</i> , 2016, 14, 2757-2777. | 4.1 | 17 |
| 10 | Applicability of the N2, extended N2 and modal pushover analysis methods for the seismic evaluation of base-isolated building frames with lead rubber bearings (LRBs). <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 98, 84-100. | 3.8 | 16 |
| 11 | On the accuracy of enhanced pushover procedures for seismic performance evaluation of code-conforming RC moment-resisting frame buildings subjected to pulse-like and non-pulse-like excitations. <i>Structures</i> , 2021, 32, 929-945. | 3.6 | 14 |
| 12 | Seismic Performance Evaluation of Code-compliant RC Moment-resisting Frame Buildings Subjected to Near-fault Pulse-like and Non-pulse-like Ground Motions. <i>Journal of Earthquake Engineering</i> , 2022, 26, 5058-5085. | 2.5 | 14 |
| 13 | Assessment of modal pushover analysis and conventional nonlinear static procedure with load distributions of federal emergency management agency for high-rise buildings. <i>Structural Design of Tall and Special Buildings</i> , 2010, 19, 291-308. | 1.9 | 8 |
| 14 | Behavior factor and displacement amplification factor for the seismic design of single-layer barrel vaults. <i>Journal of Constructional Steel Research</i> , 2020, 169, 105987. | 3.9 | 8 |
| 15 | A multi-mode N2 (MN2) pushover procedure for ductility level seismic performance evaluation of jacket type offshore platforms. <i>Ocean Engineering</i> , 2021, 220, 108440. | 4.3 | 8 |
| 16 | An updated consecutive modal pushover (UCMP) procedure for estimating the ductility level earthquake design demands of jacket offshore platforms. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 145, 106680. | 3.8 | 7 |
| 17 | The collapse period of degrading SDOF systems considering a broad range of structural parameters. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 115, 730-741. | 3.8 | 5 |
| 18 | Seismic Evaluation of Tall Unstiffened Steel Plate Shear Wall (SPSW) Systems with Emphasis on Reversal Phenomenon in the Higher Mode Pushover Curve. <i>International Journal of Civil Engineering</i> , 2019, 17, 523-540. | 2.0 | 5 |

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|----|--|-----|-----------|
| 19 | Prediction of the force demands of tall buildings through the enhanced pushover procedures. <i>Structural Design of Tall and Special Buildings</i> , 2018, 27, e1540. | 1.9 | 4 |
| 20 | A lateral load distribution for the static analysis of base-isolated building frames under the effect of far-fault and near-fault ground motions. <i>Structures</i> , 2021, 34, 2384-2405. | 3.6 | 4 |
| 21 | Effect of the spectral shape of ground motion records on the collapse fragility assessment of degrading SDOF systems. <i>Earthquake Engineering and Engineering Vibration</i> , 2021, 20, 925-941. | 2.3 | 3 |