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Moment-Rotation Behavior of Force-Based Plastic Hinge Elements

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#	Paper	IF	Citations
32	Application of Reliability-Based Robustness Assessment of Steel Moment Resisting Frame Structures under Post-Mainshock Cascading Events. <i>Journal of Structural Engineering</i> , 2014 , 140,	3	29
31	Simplified seismic sidesway collapse analysis of frame buildings. <i>Earthquake Engineering and Structural Dynamics</i> , 2014 , 43, 429-448	4	25
30	Computational Approach for Collapse Assessment of Concentrically Braced Frames in Seismic Regions. <i>Journal of Structural Engineering</i> , 2014 , 140,	3	80
29	Seismic Risk Analysis of Steel-MRFs by Means of Fragility Curves in High Seismic Zones. <i>Advances in Structural Engineering</i> , 2014 , 17, 1227-1240	1.9	17
28	Deterioration Modeling of Steel Moment Resisting Frames Using Finite-Length Plastic Hinge Force-Based Beam-Column Elements. <i>Journal of Structural Engineering</i> , 2015 , 141, 04014112	3	16
27	Influence of earthquake ground-motion duration on damage estimation: application to steel moment resisting frames. <i>Earthquake Engineering and Structural Dynamics</i> , 2017 , 46, 27-49	4	39
26	Numerical simulation of steel I-shaped beams using a fiber-based damage accumulation model. <i>Journal of Constructional Steel Research</i> , 2017 , 133, 241-255	3.8	13
25	Implementation and Calibration of Finite-Length Plastic Hinge Elements for Use in Seismic Structural Collapse Analysis. <i>Journal of Earthquake Engineering</i> , 2017 , 21, 1197-1219	1.8	9
24	An improved multi-objective optimization approach for performance-based design of structures using nonlinear time-history analyses. <i>Applied Soft Computing Journal</i> , 2018 , 73, 647-665	7.5	14
23	Reliability Analysis of Reinforced Concrete Frame by Finite Element Method with Implicit Limit State Functions. <i>Buildings</i> , 2019 , 9, 119	3.2	12
22	Use of energy-dissipative rocking columns to enhance seismic performance of buckling-restrained braced frames. <i>Journal of Constructional Steel Research</i> , 2019 , 159, 548-559	3.8	9
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20	Aspects of bridge-ground seismic response and liquefaction-induced deformations. <i>Earthquake Engineering and Structural Dynamics</i> , 2020 , 49, 375-393	4	6
19	Performance and Limitations of Real-Time Hybrid Simulation with Nonlinear Computational Substructures. <i>Experimental Techniques</i> , 2020 , 44, 715-734	1.4	6
18	Numerical studies on full-scale steel columns under complex seismic loading. <i>Journal of Constructional Steel Research</i> , 2020 , 172, 106227	3.8	3
17	Robust Calibration of Macro-Models for the In-Plane Behavior of Masonry Infilled RC Frames. <i>Journal of Earthquake Engineering</i> , 2021 , 25, 407-433	1.8	4
16	Seismic Damage Quantification for the SHM of Existing RC Structures. <i>Lecture Notes in Civil Engineering</i> , 2021 , 177-195	0.3	0

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11	Machine learning-based adaptive degradation model for RC beams. <i>Engineering Structures</i> , 2022 , 253, 113817	4.7	0
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9	Optimal design of the seismic retrofitting of reinforced concrete framed structures using BRBs. <i>Bulletin of Earthquake Engineering</i> , 1	3.7	0
8	IMPA versus Cloud Analysis and IDA: Different Methods to Evaluate Structural Seismic Fragility. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3687	2.6	0
7	Numerical simulation method of SRC frame column based on FLPH model. <i>Structures</i> , 2022 , 41, 1442-1453	3.4	
6	Regularisation methods for modelling flexural dominant lightly reinforced concrete walls. <i>Engineering Structures</i> , 2022 , 267, 114668	4.7	
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