

# Frank Mckenna

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11440505/publications.pdf>

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13  
papers

1,803  
citations

932766

10  
h-index

1199166

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

1141  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling viscous damping in nonlinear response history analysis of steel moment-resisting frame buildings: Design plus ground motions. Earthquake Engineering and Structural Dynamics, 2021, 50, 903-915.	2.5	11
2	Finite element modeling of buildings with structural and foundation rocking on dry sand. Earthquake Engineering and Structural Dynamics, 2021, 50, 3093-3115.	2.5	8
3	Rapid visual screening of soft-story buildings from street view images using deep learning classification. Earthquake Engineering and Engineering Vibration, 2020, 19, 827-838.	1.1	32
4	An open-source framework for regional earthquake loss estimation using the city-scale nonlinear time history analysis. Earthquake Spectra, 2020, 36, 806-831.	1.6	51
5	Seismic Behavior of Steel Moment Frames with Mechanical Hinge Beam-to-Column Connections. International Journal of Structural Stability and Dynamics, 2020, 20, 2040005.	1.5	7
6	OpenSeesPy: Python library for the OpenSees finite element framework. SoftwareX, 2018, 7, 6-11.	1.2	150
7	Modeling viscous damping in nonlinear response history analysis of buildings for earthquake excitation. Earthquake Engineering and Structural Dynamics, 2016, 45, 193-211.	2.5	140
8	OpenSees Software Architecture for the Analysis of Structures in Fire. Journal of Computing in Civil Engineering, 2015, 29, .	2.5	44
9	OpenSees-SNOPT Framework for Finite-Element-Based Optimization of Structural and Geotechnical Systems. Journal of Structural Engineering, 2012, 138, 822-834.	1.7	25
10	OpenSees: A Framework for Earthquake Engineering Simulation. Computing in Science and Engineering, 2011, 13, 58-66.	1.2	735
11	Nonlinear Finite-Element Analysis Software Architecture Using Object Composition. Journal of Computing in Civil Engineering, 2010, 24, 95-107.	2.5	523
12	Software Patterns for Nonlinear Beam-Column Models. Journal of Structural Engineering, 2008, 134, 562-571.	1.7	50
13	An Object-Oriented Software Design for Parallel Structural Analysis. , 2000, , 1.		27