

# Keri L Ryan

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38 papers	709 citations	15 h-index	25 g-index
39 ext. papers	870 ext. citations	3 avg, IF	4.56 L-index

#	Paper	IF	Citations
38	Effect of partition walls on the seismic response of mass-timber buildings with a post-tensioned rocking wall system. <i>Engineering Structures</i> , <b>2022</b> , 262, 114316	4.7	0
37	Parameters Affecting Dynamics of Three-Dimensional Seismic Isolation. <i>Journal of Earthquake Engineering</i> , <b>2021</b> , 25, 730-755	1.8	7
36	Time-to-Functionality Fragilities for Performance Assessment of Buildings. <i>Journal of Structural Engineering</i> , <b>2021</b> , 147,	3	3
35	Soil-Structure Interaction and Vertical-horizontal Coupling Effects in Buildings Isolated by Friction Bearings. <i>Journal of Earthquake Engineering</i> , <b>2020</b> , 1-24	1.8	2
34	Bridge Temperature Profiles Revisited: Thermal Analyses Based on Recent Meteorological Data from Nevada. <i>Journal of Bridge Engineering</i> , <b>2020</b> , 25, 04019124	2.7	13
33	Performance of flexible frame building with horizontal and 3D seismic isolation when subjected to 3D ground shaking. <i>Earthquake Spectra</i> , <b>2020</b> , 36, 1823-1843	3.4	2
32	Slab Vibration and Horizontal-Vertical Coupling in the Seismic Response of Low-rise Irregular Base-isolated and Conventional Buildings. <i>Journal of Earthquake Engineering</i> , <b>2020</b> , 24, 1-36	1.8	12
31	Evaluating simplified models in predicting global seismic responses of a shake table test building isolated by triple friction pendulum bearings. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2019</b> , 48, 594-610	4	6
30	Displacement/velocity-based control of a liquid spring-MR damper for vertical isolation. <i>Structural Control and Health Monitoring</i> , <b>2019</b> , 26, e2363	4.5	8
29	Design of a fail-safe magnetorheological-based system for three-dimensional earthquake isolation of structures. <i>Mechatronics</i> , <b>2019</b> , 64, 102296	3	8
28	ASCE 7-16 Lateral Force Distribution Equations for Static Design of Seismically Isolated Buildings. <i>Journal of Structural Engineering</i> , <b>2019</b> , 145, 04018258	3	4
27	Computational simulation of slab vibration and horizontal-vertical coupling in a full-scale test bed subjected to 3D shaking at E-Defense. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2018</b> , 47, 438-454	4	9
26	Response of hybrid isolation system during a shake table experiment of a full-scale isolated building. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2018</b> , 47, 2214-2232	4	6
25	A liquid spring-magnetorheological damper system under combined axial and shear loading for three-dimensional seismic isolation of structures. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2018</b> , 29, 3517-3532	2.3	8
24	Evaluation of a passive gap damper to control displacements in a shaking test of a seismically isolated three-story frame. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2017</b> , 46, 51-71	4	15
23	Seismic Protection of the Piers of Integral Bridges using Sliding Bearings. <i>Journal of Earthquake Engineering</i> , <b>2017</b> , 21, 1365-1384	1.8	2
22	Seismic Simulation of an Integrated Ceiling-Partition Wall-Piping System at E-Defense. I: Three-Dimensional Structural Response and Base Isolation. <i>Journal of Structural Engineering</i> , <b>2016</b> , 142, 04015130	3	41

21	Influence of Vertical Ground Shaking on Horizontal Response of Seismically Isolated Buildings with Friction Bearings. <i>Journal of Structural Engineering</i> , <b>2016</b> , 142, 04015089	3	19
20	Seismic Simulation of an Integrated Ceiling-Partition Wall-Piping System at E-Defense. II: Evaluation of Nonstructural Damage and Fragilities. <i>Journal of Structural Engineering</i> , <b>2016</b> , 142, 04015131	3	35
19	Comparative Life Cycle Analysis of Conventional and Base-Isolated Buildings. <i>Earthquake Spectra</i> , <b>2016</b> , 32, 323-343	3-4	23
18	Development of Generalized Fragility Functions for Seismically Induced Content Disruption. <i>Earthquake Spectra</i> , <b>2016</b> , 32, 1303-1324	3-4	2
17	Evaluation of Assumptions Used in Engineering Practice to Model Buildings Isolated with Triple Pendulum Isolators in SAP2000. <i>Earthquake Spectra</i> , <b>2015</b> , 31, 637-660	3-4	15
16	Development and experimental evaluation of a passive gap damper device to prevent pounding in base-isolated structures. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2015</b> , 44, 1661-1675	4	14
15	Computational Simulation of a Full-Scale, Fixed-Base, and Isolated-Base Steel Moment Frame Building Tested at E-Defense. <i>Journal of Structural Engineering</i> , <b>2014</b> , 140,	3	12
14	Predicting the displacement of triple pendulum bearings in a full-scale shaking experiment using a three-dimensional element. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2013</b> , 42, 1677-1695	4	54
13	Feasibility study of a gap damper to control seismic isolator displacements in extreme earthquakes. <i>Structural Control and Health Monitoring</i> , <b>2013</b> , 20, 1159-1175	4-5	17
12	Moment-Rotation Behavior of Force-Based Plastic Hinge Elements. <i>Earthquake Spectra</i> , <b>2013</b> , 29, 597-607	4	26
11	A Review of Seismic Isolation for Buildings: Historical Development and Research Needs. <i>Buildings</i> , <b>2012</b> , 2, 300-325	3-2	100
10	Demonstration of robust stability and performance of filter-enhanced H2/LQG controllers for a nonlinear structure. <i>Structural Control and Health Monitoring</i> , <b>2011</b> , 18, 710-720	4-5	2
9	Effects of torsion on the behavior of peripheral steel-braced frame systems. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2011</b> , 40, 491-507	4	24
8	Analysis and Design of Inter-Story Isolation Systems with Nonlinear Devices. <i>Journal of Earthquake Engineering</i> , <b>2010</b> , 14, 1044-1062	1.8	33
7	Evaluation of Approaches to Characterize Seismic Isolation Systems for Design. <i>Journal of Earthquake Engineering</i> , <b>2009</b> , 13, 835-851	1.8	11
6	Problems with Rayleigh Damping in Base-Isolated Buildings. <i>Journal of Structural Engineering</i> , <b>2008</b> , 134, 1780-1784	3	67
5	Fractional Order Filter Enhanced LQR for Seismic Protection of Civil Structures. <i>Journal of Computational and Nonlinear Dynamics</i> , <b>2008</b> , 3,	1.4	20
4	Distribution of Lateral Forces in Base-Isolated Buildings Considering Isolation System Nonlinearity. <i>Journal of Earthquake Engineering</i> , <b>2008</b> , 12, 1185-1204	1.8	20

3	Estimating bearing response in symmetric and asymmetric-plan isolated buildings with rocking and torsion. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2006</b> , 35, 1009-1036	4	9
2	Nonlinear Model for LeadRubber Bearings Including Axial-Load Effects. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2005</b> , 131, 1270-1278	2.4	51
1	Experimental Cyclic Test of Reduced Damage Detailed Drywall Partition Walls Integrated with a Timber Rocking Wall. <i>Journal of Earthquake Engineering</i> , 1-21	1.8	4