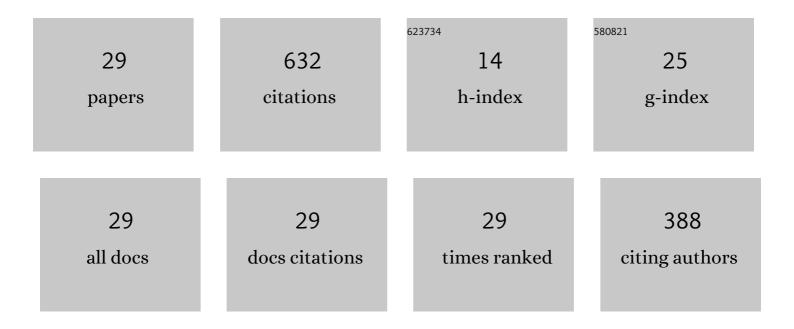
Tracy C Becker

List of Publications by Year in descending order

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TRACY C RECKER

#	Article	IF	CITATIONS
1	Experimental and analytical study of the biâ€directional behavior of the triple friction pendulum isolator. Earthquake Engineering and Structural Dynamics, 2012, 41, 355-373.	4.4	102
2	Fullâ€scale shaking table test of a baseâ€isolated medical facility subjected to vertical motions. Earthquake Engineering and Structural Dynamics, 2013, 42, 1931-1949.	4.4	87
3	Failure of double friction pendulum bearings under pulseâ€ŧype motions. Earthquake Engineering and Structural Dynamics, 2017, 46, 715-732.	4.4	55
4	Extreme behavior in a triple friction pendulum isolated frame. Earthquake Engineering and Structural Dynamics, 2017, 46, 2683-2698.	4.4	53
5	Inelastic response of base-isolated structures subjected to impact. Engineering Structures, 2018, 171, 86-93.	5.3	31
6	Application of Isolation to High-Rise Buildings: A Japanese Design Case Study through a U.S. Design Code Lens. Earthquake Spectra, 2015, 31, 1451-1470.	3.1	29
7	Approximating peak responses in seismically isolated buildings using generalized modal analysis. Earthquake Engineering and Structural Dynamics, 2013, 42, 1807-1825.	4.4	22
8	Design optimization of triple friction pendulums for high-rise buildings considering both seismic and wind loads. Soil Dynamics and Earthquake Engineering, 2021, 142, 106568.	3.8	22
9	To limit forces or displacements: Collapse study of steel frames isolated by sliding bearings with and without restraining rims. Soil Dynamics and Earthquake Engineering, 2018, 112, 203-214.	3.8	21
10	LQR control with frequencyâ€dependent scheduled gain for a semiâ€active floor isolation system. Earthquake Engineering and Structural Dynamics, 2014, 43, 1265-1284.	4.4	20
11	Hybrid shake table testing method: Theory, implementation and application to midlevel isolation. Structural Control and Health Monitoring, 2017, 24, e1915.	4.0	20
12	Experimental study of the effect of restraining rim design on the extreme behavior of pendulum sliding bearings. Earthquake Engineering and Structural Dynamics, 2018, 47, 906-924.	4.4	17
13	Three-dimensional double friction pendulum bearing model including uplift and impact behavior: Formulation and numerical example. Engineering Structures, 2019, 199, 109579.	5.3	17
14	Correct treatment of rotation of sliding surfaces in a kinematic model of the triple friction pendulum bearing. Earthquake Engineering and Structural Dynamics, 2013, 42, 311-317.	4.4	14
15	Effect of Design Methodology on Collapse of Friction Pendulum Isolated Moment-Resisting and Concentrically Braced Frames. Journal of Structural Engineering, 2018, 144, .	3.4	14
16	Evaluating adaptive vertical seismic isolation for equipment in nuclear power plants. Nuclear Engineering and Design, 2020, 358, 110399.	1.7	14
17	Effect of support rotation on triple friction pendulum bearing behavior. Earthquake Engineering and Structural Dynamics, 2013, 42, 1731-1748.	4.4	13
18	Experimental Investigation of Elastomeric Isolation Bearings with Flexible Supporting Columns. Journal of Structural Engineering, 2017, 143, 04017057.	3.4	12

TRACY C BECKER

#	Article	IF	CITATIONS
19	Enhanced performance through a dual isolation seismic protection system. Structural Design of Tall and Special Buildings, 2016, 25, 72-89.	1.9	11
20	Probabilistic Framework for Lifetime Bridge-Bearing Demands. Journal of Bridge Engineering, 2019, 24, .	2.9	10
21	Performance of unscented Kalman filter for model updating with experimental data. Earthquake Engineering and Structural Dynamics, 2021, 50, 1948-1966.	4.4	10
22	Minimalâ€disturbance seismic rehabilitation of steel momentâ€resisting frames using lightâ€weight steel elements. Earthquake Engineering and Structural Dynamics, 2016, 45, 383-400.	4.4	8
23	Incorporating Frame Action into Seismic Design of Gusset Plates. Journal of Structural Engineering, 2021, 147, .	3.4	7
24	Parameterized Logistic Models for Bridge Inspection and Maintenance Scheduling. Journal of Bridge Engineering, 2021, 26, .	2.9	7
25	Stiffness of Rubber Bearings Considering Nonstandard Top and Bottom Boundary Conditions. Journal of Structural Engineering, 2021, 147, .	3.4	6
26	Parameterized models for prediction of lifetime bearing demands. Engineering Structures, 2022, 252, 113649.	5.3	5
27	H â^ž control in the frequency domain for a semi-active floor isolation system. Frontiers of Structural and Civil Engineering, 2013, 7, 264-275.	2.9	4
28	Novel gusset plate design using high strength steel and heat treatment. Journal of Constructional Steel Research, 2019, 157, 59-69.	3.9	1
29	Fuzzy-Logistic Models for Incorporating Epistemic Uncertainty in Bridge Management Decisions. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2022, 8	1.7	0