

# Gkhan Pekcan

## List of Publications by Citations

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37  
papers

879  
citations

17  
h-index

29  
g-index

39  
ext. papers

1,110  
ext. citations

3.1  
avg, IF

4.94  
L-index

#	Paper	IF	Citations
37	Rocking Wall Frame Structures with Supplemental Tendon Systems. <i>Journal of Structural Engineering</i> , <b>2004</b> , 130, 895-903	3	104
36	Data-Driven Structural Health Monitoring and Damage Detection through Deep Learning: State-of-the-Art Review. <i>Sensors</i> , <b>2020</b> , 20,	3.8	101
35	Fundamental considerations for the design of non-linear viscous dampers. <i>Earthquake Engineering and Structural Dynamics</i> , <b>1999</b> , 28, 1405-1425	4	99
34	The Effects of Engineering Modules on Student Learning in Middle School Science Classrooms. <i>Journal of Engineering Education</i> , <b>2006</b> , 95, 301-309	2.3	62
33	Structural health monitoring using extremely compressed data through deep learning. <i>Computer-Aided Civil and Infrastructure Engineering</i> , <b>2020</b> , 35, 597-614	8.4	58
32	Floor Accelerations in Yielding Special Moment Resisting Frame Structures. <i>Earthquake Spectra</i> , <b>2013</b> , 29, 987-1002	3.4	48
31	The Seismic Response of a 1:3 Scale Model R.C. Structure with Elastomeric Spring Dampers. <i>Earthquake Spectra</i> , <b>1995</b> , 11, 249-267	3.4	46
30	Vibration-based structural condition assessment using convolution neural networks. <i>Structural Control and Health Monitoring</i> , <b>2018</b> , 26, e2308	4.5	38
29	Enhancing seismic resilience using truss girder frame systems with supplemental devices. <i>Journal of Constructional Steel Research</i> , <b>2014</b> , 94, 23-32	3.8	28
28	Seismic response of skewed RC box-girder bridges. <i>Earthquake Engineering and Engineering Vibration</i> , <b>2008</b> , 7, 415-426	2	28
27	Experiments on Steel MRF Building with Supplemental Tendon System. <i>Journal of Structural Engineering</i> , <b>2000</b> , 126, 437-444	3	25
26	Damage avoidance design of special truss moment frames with energy dissipating devices. <i>Journal of Constructional Steel Research</i> , <b>2009</b> , 65, 1374-1384	3.8	24
25	Analytical Fragility Functions for Horizontally Curved Steel I-Girder Highway Bridges. <i>Earthquake Spectra</i> , <b>2015</b> , 31, 2235-2254	3.4	22
24	Performance of a large-scale magnetorheological elastomer based vibration isolator for highway bridges. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2018</b> , 29, 3890-3901	2.3	19
23	Analytical Modeling of Horizontally Curved Steel Girder Highway Bridges for Seismic Analysis. <i>Journal of Earthquake Engineering</i> , <b>2015</b> , 19, 220-248	1.8	18
22	Balancing Lateral Loads Using Tendon-Based Supplemental Damping System. <i>Journal of Structural Engineering</i> , <b>2000</b> , 126, 896-905	3	17
21	Impact of column-to-beam strength ratio on the seismic response of steel MRFs. <i>Bulletin of Earthquake Engineering</i> , <b>2015</b> , 13, 635-652	3.7	15

20	EFFECT OF SKEW ANGLE ON SEISMIC VULNERABILITY OF RC BOX-GIRDER HIGHWAY BRIDGES. <i>International Journal of Structural Stability and Dynamics</i> , <b>2013</b> , 13, 1350013	1.9	15
19	Response of a 2-story test-bed structure for the seismic evaluation of nonstructural systems. <i>Earthquake Engineering and Engineering Vibration</i> , <b>2016</b> , 15, 19-29	2	15
18	Analytical Fragility Curves for a Class of Horizontally Curved Box-Girder Bridges. <i>Journal of Earthquake Engineering</i> , <b>2018</b> , 22, 881-901	1.8	13
17	Active neural predictive control of seismically isolated structures. <i>Structural Control and Health Monitoring</i> , <b>2018</b> , 25, e2061	4.5	11
16	Compact Hybrid Simulation System: Validation and Applications for Braced Frames Seismic Testing. <i>Journal of Earthquake Engineering</i> , <b>2020</b> , 1-30	1.8	7
15	Performance of natural rubber and silicone-based magnetorheological elastomers under large-strain combined axial and shear loading. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2019</b> , 30, 228-242	2.3	7
14	Web Yielding, Crippling, and Lateral Buckling under Post Loading. <i>Journal of Structural Engineering</i> , <b>2007</b> , 133, 665-673	3	4
13	A compressive sensing method for processing and improving vision-based target-tracking signals for structural health monitoring. <i>Computer-Aided Civil and Infrastructure Engineering</i> , <b>2021</b> , 36, 1203-1223	8.4	4
12	A self-sensing magnetorheological elastomer-based adaptive bridge bearing with a wireless data monitoring system <b>2016</b> ,		4
11	Effect of torsional ground motion on the seismic response of highway bridges. <i>Bulletin of Earthquake Engineering</i> , <b>2019</b> , 17, 2603-2625	3.7	4
10	Inelastic seismic response of box-girder bridges due to torsional ground motions. <i>Engineering Structures</i> , <b>2020</b> , 218, 110831	4.7	2
9	Active neural predictive control of seismically isolated structures. <i>Structural Control and Health Monitoring</i> , <b>2018</b> , 25, e2201	4.5	1
8	Flange and web limit states in beams subjected to patch loading. <i>Journal of Constructional Steel Research</i> , <b>2007</b> , 63, 45-54	3.8	1
7	Seismic Design and Response of Framed Structures with Stiffening Bracing Systems. <i>Journal of Earthquake Engineering</i> , <b>2019</b> , 23, 625-647	1.8	1
6	Effect of Torsional Ground Motions on Floor Acceleration Response in Flexible SMRF Buildings. <i>Journal of Earthquake Engineering</i> , <b>2020</b> , 1-18	1.8	0
5	Seismic behavior and design of steel girder bridges with integral abutments. <i>Bridge Structures</i> , <b>2014</b> , 10, 117-128	0.7	0
4	Design of bridge falsework for gravity loads. <i>Bridge Structures</i> , <b>2006</b> , 2, 155-168	0.7	
3	Seismic Retrofit of Steel Deck-Truss Bridges: Experimental Investigation. <i>Advances in Structural Engineering</i> , <b>2002</b> , 5, 173-183	1.9	

2 Resilient active seismic response control of structural systems. *Advances in Structural Engineering*, 136943322110523

1 Assessment of Seismic Demand Due to Torsional Ground Motions on Symmetric Skew Bridges.  
*Journal of Earthquake Engineering*, 2020, 1-16

1.8