Gkhan Pekcan

List of Publications by Citations

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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.

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

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

2 Resilient active seismic response control of structural systems. *Advances in Structural Engineering*,1369433221105231.7

1 Assessment of Seismic Demand Due to Torsional Ground Motions on Symmetric Skew Bridges. *Journal of Earthquake Engineering*, **2020**, 1-16 1.8