## Gökhan Pekcan

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Data-Driven Structural Health Monitoring and Damage Detection through Deep Learning: State-of-the-Art Review. Sensors, 2020, 20, 2778.	3.8	299
2	Rocking Wall–Frame Structures with Supplemental Tendon Systems. Journal of Structural Engineering, 2004, 130, 895-903.	3.4	138
3	Structural health monitoring using extremely compressed data through deep learning. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 597-614.	9.8	132
4	Fundamental considerations for the design of non-linear viscous dampers. Earthquake Engineering and Structural Dynamics, 1999, 28, 1405-1425.	4.4	125
5	The Effects of Engineering Modules on Student Learning in Middle School Science Classrooms. Journal of Engineering Education, 2006, 95, 301-309.	3.0	104
6	Vibrationâ€based structural condition assessment using convolution neural networks. Structural Control and Health Monitoring, 2019, 26, e2308.	4.0	71
7	Floor Accelerations in Yielding Special Moment Resisting Frame Structures. Earthquake Spectra, 2013, 29, 987-1002.	3.1	62
8	The Seismic Response of a 1:3 Scale Model R.C. Structure with Elastomeric Spring Dampers. Earthquake Spectra, 1995, 11, 249-267.	3.1	57
9	Assessment of seismic performance of skew reinforced concrete box girder bridges. International Journal of Advanced Structural Engineering, 2013, 5, 1.	1.3	45
10	Seismic response of skewed RC box-girder bridges. Earthquake Engineering and Engineering Vibration, 2008, 7, 415-426.	2.3	32
11	Experiments on Steel MRF Building with Supplemental Tendon System. Journal of Structural Engineering, 2000, 126, 437-444.	3.4	30
12	Enhancing seismic resilience using truss girder frame systems with supplemental devices. Journal of Constructional Steel Research, 2014, 94, 23-32.	3.9	30
13	Damage avoidance design of special truss moment frames with energy dissipating devices. Journal of Constructional Steel Research, 2009, 65, 1374-1384.	3.9	28
14	Analytical Fragility Functions for Horizontally Curved Steel I-Girder Highway Bridges. Earthquake Spectra, 2015, 31, 2235-2254.	3.1	27
15	Performance of a large-scale magnetorheological elastomer–based vibration isolator for highway bridges. Journal of Intelligent Material Systems and Structures, 2018, 29, 3890-3901.	2.5	24
16	A compressive sensing method for processing and improving visionâ€based targetâ€ŧracking signals for structural health monitoring. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 1203-1223.	9.8	24
17	Balancing Lateral Loads Using Tendon-Based Supplemental Damping System. Journal of Structural Engineering, 2000, 126, 896-905.	3.4	21
18	Impact of column-to-beam strength ratio on the seismic response of steel MRFs. Bulletin of Earthquake Engineering, 2015, 13, 635-652.	4.1	21

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19	Analytical Modeling of Horizontally Curved Steel Girder Highway Bridges for Seismic Analysis. Journal of Earthquake Engineering, 2015, 19, 220-248.	2.5	19
20	Response of a 2-story test-bed structure for the seismic evaluation of nonstructural systems. Earthquake Engineering and Engineering Vibration, 2016, 15, 19-29.	2.3	18
21	Analytical Fragility Curves for a Class of Horizontally Curved Box-Girder Bridges. Journal of Earthquake Engineering, 2018, 22, 881-901.	2.5	18
22	Active neural predictive control of seismically isolated structures. Structural Control and Health Monitoring, 2018, 25, e2061.	4.0	18
23	EFFECT OF SKEW ANGLE ON SEISMIC VULNERABILITY OF RC BOX-GIRDER HIGHWAY BRIDGES. International Journal of Structural Stability and Dynamics, 2013, 13, 1350013.	2.4	17
24	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.	2.5	16
25	Compact Hybrid Simulation System: Validation and Applications for Braced Frames Seismic Testing. Journal of Earthquake Engineering, 2022, 26, 1565-1594.	2.5	9
26	Inelastic seismic response of box-girder bridges due to torsional ground motions. Engineering Structures, 2020, 218, 110831.	5.3	8
27	Effect of torsional ground motion on the seismic response of highway bridges. Bulletin of Earthquake Engineering, 2019, 17, 2603-2625.	4.1	6
28	A self-sensing magnetorheological elastomer-based adaptive bridge bearing with a wireless data monitoring system. , 2016, , .		5
29	Web Yielding, Crippling, and Lateral Buckling under Post Loading. Journal of Structural Engineering, 2007, 133, 665-673.	3.4	4
30	Flange and web limit states in beams subjected to patch loading. Journal of Constructional Steel Research, 2007, 63, 45-54.	3.9	2
31	Effect of Torsional Ground Motions on Floor Acceleration Response in Flexible SMRF Buildings. Journal of Earthquake Engineering, 2022, 26, 2168-2185.	2.5	2
32	Seismic behavior and design of steel girder bridges with integral abutments. Bridge Structures, 2014, 10, 117-128.	0.4	1
33	Active neural predictive control of seismically isolated structures. Structural Control and Health Monitoring, 2018, 25, e2201.	4.0	1
34	Seismic Design and Response of Framed Structures with Stiffening Bracing Systems. Journal of Earthquake Engineering, 2019, 23, 625-647.	2.5	1
35	Assessment of Seismic Demand Due to Torsional Ground Motions on Symmetric Skew Bridges. Journal of Earthquake Engineering, 2022, 26, 3938-3953.	2.5	1
36	Seismic Retrofit of Steel Deck-Truss Bridges: Experimental Investigation. Advances in Structural Engineering, 2002, 5, 173-183.	2.4	0

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37	Design of bridge falsework for gravity loads. Bridge Structures, 2006, 2, 155-168.	0.4	0
38	Resilient active seismic response control of structural systems. Advances in Structural Engineering, 0, , 136943322110523.	2.4	0