

GÃ¶khan Pekcan

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,416
citations

393982

19
h-index

395343

33
g-index

39
all docs

39
docs citations

39
times ranked

1072
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-Driven Structural Health Monitoring and Damage Detection through Deep Learning: State-of-the-Art Review. <i>Sensors</i> , 2020, 20, 2778.	2.1	299
2	Rocking Wall-Frame Structures with Supplemental Tendon Systems. <i>Journal of Structural Engineering</i> , 2004, 130, 895-903.	1.7	138
3	Structural health monitoring using extremely compressed data through deep learning. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2020, 35, 597-614.	6.3	132
4	Fundamental considerations for the design of non-linear viscous dampers. <i>Earthquake Engineering and Structural Dynamics</i> , 1999, 28, 1405-1425.	2.5	125
5	The Effects of Engineering Modules on Student Learning in Middle School Science Classrooms. <i>Journal of Engineering Education</i> , 2006, 95, 301-309.	1.9	104
6	Vibration-based structural condition assessment using convolution neural networks. <i>Structural Control and Health Monitoring</i> , 2019, 26, e2308.	1.9	71
7	Floor Accelerations in Yielding Special Moment Resisting Frame Structures. <i>Earthquake Spectra</i> , 2013, 29, 987-1002.	1.6	62
8	The Seismic Response of a 1:3 Scale Model R.C. Structure with Elastomeric Spring Dampers. <i>Earthquake Spectra</i> , 1995, 11, 249-267.	1.6	57
9	Assessment of seismic performance of skew reinforced concrete box girder bridges. <i>International Journal of Advanced Structural Engineering</i> , 2013, 5, 1.	1.3	45
10	Seismic response of skewed RC box-girder bridges. <i>Earthquake Engineering and Engineering Vibration</i> , 2008, 7, 415-426.	1.1	32
11	Experiments on Steel MRF Building with Supplemental Tendon System. <i>Journal of Structural Engineering</i> , 2000, 126, 437-444.	1.7	30
12	Enhancing seismic resilience using truss girder frame systems with supplemental devices. <i>Journal of Constructional Steel Research</i> , 2014, 94, 23-32.	1.7	30
13	Damage avoidance design of special truss moment frames with energy dissipating devices. <i>Journal of Constructional Steel Research</i> , 2009, 65, 1374-1384.	1.7	28
14	Analytical Fragility Functions for Horizontally Curved Steel I-Girder Highway Bridges. <i>Earthquake Spectra</i> , 2015, 31, 2235-2254.	1.6	27
15	Performance of a large-scale magnetorheological elastomer-based vibration isolator for highway bridges. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 3890-3901.	1.4	24
16	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> , 2021, 36, 1203-1223.	6.3	24
17	Balancing Lateral Loads Using Tendon-Based Supplemental Damping System. <i>Journal of Structural Engineering</i> , 2000, 126, 896-905.	1.7	21
18	Impact of column-to-beam strength ratio on the seismic response of steel MRFs. <i>Bulletin of Earthquake Engineering</i> , 2015, 13, 635-652.	2.3	21

#	ARTICLE	IF	CITATIONS
19	Analytical Modeling of Horizontally Curved Steel Girder Highway Bridges for Seismic Analysis. <i>Journal of Earthquake Engineering</i> , 2015, 19, 220-248.	1.4	19
20	Response of a 2-story test-bed structure for the seismic evaluation of nonstructural systems. <i>Earthquake Engineering and Engineering Vibration</i> , 2016, 15, 19-29.	1.1	18
21	Analytical Fragility Curves for a Class of Horizontally Curved Box-Girder Bridges. <i>Journal of Earthquake Engineering</i> , 2018, 22, 881-901.	1.4	18
22	Active neural predictive control of seismically isolated structures. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2061.	1.9	18
23	EFFECT OF SKEW ANGLE ON SEISMIC VULNERABILITY OF RC BOX-GIRDER HIGHWAY BRIDGES. <i>International Journal of Structural Stability and Dynamics</i> , 2013, 13, 1350013.	1.5	17
24	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> , 2019, 30, 228-242.	1.4	16
25	Compact Hybrid Simulation System: Validation and Applications for Braced Frames Seismic Testing. <i>Journal of Earthquake Engineering</i> , 2022, 26, 1565-1594.	1.4	9
26	Inelastic seismic response of box-girder bridges due to torsional ground motions. <i>Engineering Structures</i> , 2020, 218, 110831.	2.6	8
27	Effect of torsional ground motion on the seismic response of highway bridges. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 2603-2625.	2.3	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. <i>Journal of Structural Engineering</i> , 2007, 133, 665-673.	1.7	4
30	Flange and web limit states in beams subjected to patch loading. <i>Journal of Constructional Steel Research</i> , 2007, 63, 45-54.	1.7	2
31	Effect of Torsional Ground Motions on Floor Acceleration Response in Flexible SMRF Buildings. <i>Journal of Earthquake Engineering</i> , 2022, 26, 2168-2185.	1.4	2
32	Seismic behavior and design of steel girder bridges with integral abutments. <i>Bridge Structures</i> , 2014, 10, 117-128.	0.2	1
33	Active neural predictive control of seismically isolated structures. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2201.	1.9	1
34	Seismic Design and Response of Framed Structures with Stiffening Bracing Systems. <i>Journal of Earthquake Engineering</i> , 2019, 23, 625-647.	1.4	1
35	Assessment of Seismic Demand Due to Torsional Ground Motions on Symmetric Skew Bridges. <i>Journal of Earthquake Engineering</i> , 2022, 26, 3938-3953.	1.4	1
36	Seismic Retrofit of Steel Deck-Truss Bridges: Experimental Investigation. <i>Advances in Structural Engineering</i> , 2002, 5, 173-183.	1.2	0

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37	Design of bridge falsework for gravity loads. Bridge Structures, 2006, 2, 155-168.	0.2	0
38	Resilient active seismic response control of structural systems. Advances in Structural Engineering, 0, , 136943322110523.	1.2	0