

Cenk Alhan

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

564
citations

687363

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677142

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28
all docs

28
docs citations

28
times ranked

357
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliability of base isolation for the protection of critical equipment from earthquake hazards. <i>Engineering Structures</i> , 2005, 27, 1435-1449.	5.3	89
2	A parametric study of linear and non-linear passively damped seismic isolation systems for buildings. <i>Engineering Structures</i> , 2004, 26, 485-497.	5.3	76
3	Performance limits of seismically isolated buildings under near-field earthquakes. <i>Engineering Structures</i> , 2016, 116, 83-94.	5.3	59
4	Optimization of seismic isolation systems via harmony search. <i>Engineering Optimization</i> , 2014, 46, 1553-1569.	2.6	37
5	Parametric analysis of irregular structures under seismic loading according to the new Turkish Earthquake Code. <i>Engineering Structures</i> , 2001, 23, 600-609.	5.3	34
6	Protecting vibration-sensitive contents: an investigation of floor accelerations in seismically isolated buildings. <i>Bulletin of Earthquake Engineering</i> , 2011, 9, 1203-1226.	4.1	32
7	Optimal Control: Basis for Performance Comparison of Passive and Semiactive Isolation Systems. <i>Journal of Engineering Mechanics - ASCE</i> , 2006, 132, 705-713.	2.9	31
8	Shear building representations of seismically isolated buildings. <i>Bulletin of Earthquake Engineering</i> , 2011, 9, 1643-1671.	4.1	26
9	Fault Tolerance of Semiactive Seismic Isolation. <i>Journal of Structural Engineering</i> , 2003, 129, 922-932.	3.4	25
10	Significance of stiffening of high damping rubber bearings on the response of base-isolated buildings under near-fault earthquakes. <i>Mechanical Systems and Signal Processing</i> , 2016, 79, 297-313.	8.0	25
11	Reliability of semi-active seismic isolation under near-fault earthquakes. <i>Mechanical Systems and Signal Processing</i> , 2019, 114, 146-164.	8.0	23
12	Performance limits of base-isolated liquid storage tanks with/without supplemental dampers under near-fault earthquakes. <i>Structures</i> , 2021, 33, 355-367.	3.6	23
13	Reliability of elastomeric-isolated buildings under historical earthquakes with/without forward-directivity effects. <i>Engineering Structures</i> , 2019, 195, 490-507.	5.3	17
14	Guidelines for low-transmissibility semi-active vibration isolation. <i>Smart Materials and Structures</i> , 2005, 14, 297-306.	3.5	13
15	Influence of superstructure modeling approach on the response prediction of buildings with LRBs considering heating effects. <i>Structures</i> , 2020, 28, 1756-1773.	3.6	12
16	Impact of neighbouring deep excavation on high-rise sun plaza building and its surrounding. <i>Engineering Failure Analysis</i> , 2020, 111, 104495.	4.0	12
17	Comparison of meta-heuristic approaches for the optimization of non-linear base-isolation systems considering the influence of superstructure flexibility. <i>Engineering Structures</i> , 2022, 263, 114347.	5.3	7
18	Seismic responses of base-isolated buildings: efficacy of equivalent linear modeling under near-fault earthquakes. <i>Smart Structures and Systems</i> , 2015, 15, 1439-1461.	1.9	5

#	ARTICLE	IF	CITATIONS
19	Necessity and adequacy of near-source factors for not-so-tall fixed-base buildings. Earthquake Engineering and Engineering Vibration, 2015, 14, 13-26.	2.3	4
20	Teaching-Learning Based Optimization of Nonlinear Isolation Systems under Far Fault Earthquakes. Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers, 2022, 33, 11487-11505.	1.1	4
21	Seismic isolation performance sensitivity to potential deviations from design values. Smart Structures and Systems, 2016, 18, 293-315.	1.9	3
22	Zemin B�y�tme Katsayılarında Betonarme Ta�yıcı Sistemlerin Sismik Performans Potansiyeline ve Maliyetine Etkileri. Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers, 0, , .	1.1	3
23	Comparison of Ground Motion Pulse Models for the Seismic Response of Seismically Isolated Liquid Storage Tanks. Geotechnical, Geological and Earthquake Engineering, 2018, , 143-157.	0.2	2
24	�cestyapma S�n�m Oranında Deprem Etkisindeki Kur�yun �tekirdekli Elastomer Yalıtım Birimli Binalardaki Etkilerinin Araştırılması. Journal of Polytechnic, 0, , .	0.7	1
25	Necessity and adequacy of near-source factors for seismically isolated buildings. Earthquake and Structures, 2017, 12, 91-108.	1.0	1
26	SENSITIVITY OF THE SEISMIC PERFORMANCE OF LIQUID STORAGE TANKS WITH NONLINEAR ISOLATION SYSTEMS TO DEVIATIONS IN MECHANICAL CHARACTERISTICS OF THE SEISMIC ISOLATORS. , 2017, , .		0
27	Effect of Soil Amplification on the Response of Base-Isolated Buildings under Near-Fault Earthquakes. , 0, , .		0
28	Sonlu Elemanlar Modeli Anomaliliklerinin S�v� Depolama Tanklarında Sismik Performans De�erlendirmesine Etkisi. T�rk Deprem Araştırma Dergisi, 0, , .	0.5	0