Cenk Alhan

List of Publications by Year
in descending order

28	564	687363 13	677142 22
papers	citations	h-index	g-index

28	28	28	357
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Comparison of meta-heuristic approaches for the optimization of non-linear base-isolation systems considering the influence of superstructure flexibility. Engineering Structures, 2022, 263, 114347.	5.3	7
3	Performance limits of base-isolated liquid storage tanks with/without supplemental dampers under near-fault earthquakes. Structures, 2021, 33, 355-367.	3.6	23
4	Influence of superstructure modeling approach on the response prediction of buildings with LRBs considering heating effects. Structures, 2020, 28, 1756-1773.	3.6	12
5	Impact of neighbouring deep excavation on high-rise sun plaza building and its surrounding. Engineering Failure Analysis, 2020, 111, 104495.	4.0	12
6	Reliability of semi-active seismic isolation under near-fault earthquakes. Mechanical Systems and Signal Processing, 2019, 114, 146-164.	8.0	23
7	Reliability of elastomeric-isolated buildings under historical earthquakes with/without forward-directivity effects. Engineering Structures, 2019, 195, 490-507.	5.3	17
8	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
9	SENSITIVITY OF THE SEISMIC PERFORMANCE OF LIQUID STORAGE TANKS WITH NONLINEAR ISOLATION SYSTEMS TO DEVIATIONS IN MECHANICAL CHARACTERISTICS OF THE SEISMIC ISOLATORS. , 2017, , .		0
10	Necessity and adequacy of near-source factors for seismically isolated buildings. Earthquake and Structures, 2017, 12, 91-108.	1.0	1
11	Significance of stiffening of high damping rubber bearings on the response of base-isolated buildings under near-fault earthquakes. Mechanical Systems and Signal Processing, 2016, 79, 297-313.	8.0	25
12	Performance limits of seismically isolated buildings under near-field earthquakes. Engineering Structures, 2016, 116, 83-94.	5.3	59
13	Seismic isolation performance sensitivity to potential deviations from design values. Smart Structures and Systems, 2016, 18, 293-315.	1.9	3
14	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
15	Seismic responses of base-isolated buildings: efficacy of equivalent linear modeling under near-fault earthquakes. Smart Structures and Systems, 2015, 15, 1439-1461.	1.9	5
16	Optimization of seismic isolation systems via harmony search. Engineering Optimization, 2014, 46, 1553-1569.	2.6	37
17	Protecting vibration-sensitive contents: an investigation of floor accelerations in seismically isolated buildings. Bulletin of Earthquake Engineering, 2011, 9, 1203-1226.	4.1	32
18	Shear building representations of seismically isolated buildings. Bulletin of Earthquake Engineering, 2011, 9, 1643-1671.	4.1	26

#	Article	IF	Citations
19	Optimal Control: Basis for Performance Comparison of Passive and Semiactive Isolation Systems. Journal of Engineering Mechanics - ASCE, 2006, 132, 705-713.	2.9	31
20	Reliability of base isolation for the protection of critical equipment from earthquake hazards. Engineering Structures, 2005, 27, 1435-1449.	5.3	89
21	Guidelines for low-transmissibility semi-active vibration isolation. Smart Materials and Structures, 2005, 14, 297-306.	3.5	13
22	A parametric study of linear and non-linear passively damped seismic isolation systems for buildings. Engineering Structures, 2004, 26, 485-497.	5.3	76
23	Fault Tolerance of Semiactive Seismic Isolation. Journal of Structural Engineering, 2003, 129, 922-932.	3.4	25
24	Parametric analysis of irregular structures under seismic loading according to the new Turkish Earthquake Code. Engineering Structures, 2001, 23, 600-609.	5.3	34
25	ÃœstyapÄ± SÃ¶nÃ¼m OranÄ±nÄ±n Deprem Etkisindeki KurÅŸun Ã‡ekirdekli Elastomer YalÄ±tÄ±m Birimli Binalardaki Etkilerinin AraÅŸtÄ±rÄ±lmasÄ±. Journal of Polytechnic, 0, , .	0.7	1
26	Effect of Soil Amplification on the Response of Base-Isolated Buildings under Near-Fault Earthquakes. , 0, , .		0
27	Zemin BÃ¼yÃ¼tme KatsayÄ±larÄ±nÄ±n Betonarme TaÅŸÄ±yÄ±cÄ± Sistemlerin Sismik Performans Potansiyeline ve Maliyetine Etkileri. Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers, 0, , .	1.1	3
28	Sonlu Elemanlar Modeli Anomaliliklerinin SÄ±vÄ± Depolama TanklarÄ±nÄ±n Sismik Performans DeÄŸerlendirmesine Etkisi. TÃ¼rk Deprem AraÅŸtÄ±rma Dergisi, 0, , .	0.5	0