Ahmet Yakut

List of Publications by Year
in descending order

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45 papers	1,099 citations	430874 18 h-index	434195 31 g-index
45 all docs	45 docs citations	45 times ranked	771 citing authors

#	Article	IF	Citations
1	Displacement-Based Fragility Functions for Low- and Mid-rise Ordinary Concrete Buildings. Earthquake Spectra, 2005, 21, 901-927.	3.1	110
2	A Screening Procedure for Seismic Risk Assessment in Urban Building Stocks. Earthquake Spectra, 2007, 23, 441-458.	3.1	76
3	Correlation of Deformation Demands with Ground Motion Intensity. Journal of Structural Engineering, 2008, 134, 1818-1828.	3.4	76
4	Analytical Fragility Curves for Ordinary Highway Bridges in Turkey. Earthquake Spectra, 2011, 27, 971-996.	3.1	73
5	Preliminary seismic performance assessment procedure for existing RC buildings. Engineering Structures, 2004, 26, 1447-1461.	5.3	72
6	Parameters Influencing Performance of Elastomeric Bearings at Low Temperatures. Journal of Structural Engineering, 2002, 128, 986-994.	3.4	50
7	Drift based damage functions for reinforced concrete columns. Computers and Structures, 2004, 82, 121-130.	4.4	45
8	Seismic vulnerability assessment using regional empirical data. Earthquake Engineering and Structural Dynamics, 2006, 35, 1187-1202.	4.4	40
9	Ground-motion characterization for the probabilistic seismic hazard assessment in Turkey. Bulletin of Earthquake Engineering, 2018, 16, 3439-3463.	4.1	40
10	Seismic behavior and improvement of autoclaved aerated concrete infill walls. Engineering Structures, 2019, 193, 68-81.	5.3	40
11	Spectral Ground Motion Intensity Based on Capacity and Period Elongation. Journal of Structural Engineering, 2011, 137, 401-409.	3.4	39
12	Re-examination of damage distribution in AdapazarÄ±: Structural considerations. Engineering Structures, 2005, 27, 990-1001.	5.3	37
13	Performance of structures in Ä°zmir after the Samos island earthquake. Bulletin of Earthquake Engineering, 2022, 20, 7793-7818.	4.1	32
14	Re-examination of damage distribution in AdapazarÄ±: Geotechnical considerations. Engineering Structures, 2005, 27, 1002-1013.	5.3	27
15	Numerical simulation of dynamic shear wall tests: A benchmark study. Computers and Structures, 2006, 84, 549-562.	4.4	27
16	Performance limits for structural walls: An analytical perspective. Engineering Structures, 2012, 43, 105-119.	5.3	25
17	Seismic damage assessment based on regional synthetic ground motion dataset: a case study for Erzincan, Turkey. Natural Hazards, 2018, 92, 1371-1397.	3.4	24
18	Service Life Assessment of Existing Highway Bridges with No Planned Regular Inspections. Journal of Performance of Constructed Facilities, 2008, 22, 108-114.	2.0	23

#	Article	IF	Citations
19	Vehicle effects on seismic response of a simpleâ€span bridge during shake tests. Earthquake Engineering and Structural Dynamics, 2015, 44, 889-905.	4.4	20
20	Deformation Limits for Structural Walls with Confined Boundaries. Earthquake Spectra, 2012, 28, 1019-1046.	3.1	19
21	Assessment of Simulated Ground Motions in Earthquake Engineering Practice: A Case Study for Duzce (Turkey). Pure and Applied Geophysics, 2017, 174, 3589-3607.	1.9	19
22	Seismic performance of mid-rise reinforced concrete buildings in Izmir Bayrakli after the 2020 Samos earthquake. Engineering Failure Analysis, 2022, 137, 106277.	4.0	17
23	Assessment of alternative simulation techniques in nonlinear time history analyses of multi-story frame buildings: A case study. Soil Dynamics and Earthquake Engineering, 2017, 98, 38-53.	3.8	16
24	Seismic performance of gravity-load designed concrete frames infilled with low-strength masonry. Earthquake and Structures, 2015, 8, 19-35.	1.0	15
25	Evaluation of Elastomeric Bearing Performance at Low Temperatures. Journal of Structural Engineering, 2002, 128, 995-1002.	3.4	14
26	Lateral load testing of an existing two story masonry building up to near collapse. Bulletin of Earthquake Engineering, 2017, 15, 3365-3383.	4.1	14
27	Evaluation of Low-Temperature Test Methods for Elastomeric Bridge Bearings. Journal of Bridge Engineering, 2002, 7, 50-56.	2.9	13
28	Component damage functions for reinforced concrete frame structures. Engineering Structures, 2007, 29, 2242-2253.	5.3	11
29	Capacity Related Properties of RC Frame Buildings in Turkey. Journal of Earthquake Engineering, 2008, 12, 265-272.	2.5	9
30	Provisions for the Seismic Risk Evaluation of Existing Reinforced Concrete Buildings in Turkey under the Urban Renewal Law. Earthquake Spectra, 2015, 31, 1353-1370.	3.1	9
31	A study on fragility analyses of masonry buildings in Erzincan (Turkey) utilizing simulated and real ground motion records. Procedia Engineering, 2017, 199, 188-193.	1.2	9
32	Analysis of a multi-story reinforced concrete residential building damaged under its self-weight. Engineering Failure Analysis, 2019, 98, 38-48.	4.0	9
33	Comparison of real and simulated records using ground motion intensity measures. Soil Dynamics and Earthquake Engineering, 2021, 147, 106796.	3.8	8
34	Identifying buildings with high collapse risk based on samos earthquake damage inventory in Ä°zmir. Bulletin of Earthquake Engineering, 2022, 20, 7853-7872.	4.1	7
35	Seismic response assessment of a stiff structure. Earthquake Engineering and Structural Dynamics, 2006, 35, 737-759.	4.4	6
36	Vulnerability Assessment of Reinforced Concrete Moment Resisting Frame Buildings. Journal of Structural Engineering, 2007, 133, 576-586.	3.4	5

#	Article	IF	Citations
37	In Situ Lateral Load Testing of a Two-Story Solid Clay Brick Masonry Building. Journal of Performance of Constructed Facilities, 2018, 32, 04018058.	2.0	5
38	Seismic Risk Prioritization and Retrofit Cost Evaluation of Code-Deficient RC Public Buildings in Turkey. Earthquake Spectra, 2015, 31, 601-614.	3.1	4
39	Seismic Performance Assessment of Masonry Buildings Using In Situ Material Properties. Journal of Performance of Constructed Facilities, 2017, 31, .	2.0	4
40	Seismic risk prioritization of residential buildings in Istanbul. Earthquake Engineering and Structural Dynamics, 2012, 41, 1533-1547.	4.4	3
41	Seismic response of autoclaved aerated concrete masonry infill walls under inâ€plane and outâ€ofâ€plane seismic demands. Ce/Papers, 2018, 2, 241-245.	0.3	3
42	IN DEFENCE OF ZEYTINBURNU. , 2006, , 95-116.		3
43	An approximate procedure for estimating the member demands in mid-rise reinforced concrete buildings. Bulletin of Earthquake Engineering, 2020, 18, 6715-6734.	4.1	1
44	Reply to: Discussion of â€œRe-examination of damage distribution in AdapazarÄ±: Geotechnical considerationsâ€•[Engineering Structures 2005;27:1002â€“13]. Engineering Structures, 2006, 28, 468.	5.3	0
45	Evaluation of seismic performance measures for MDOF RC structures subjected to simulated and real ground motions. MATEC Web of Conferences, 2020, 323, 02003.	0.2	0