

# Murat Dicleli

## List of Publications by Year in descending order

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67  
papers

1,550  
citations

304743

22  
h-index

345221

36  
g-index

67  
all docs

67  
docs citations

67  
times ranked

909  
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting the shear strength of reinforced concrete beams using artificial neural networks. Engineering Structures, 2004, 26, 781-799.	5.3	171
2	Effect of isolator and ground motion characteristics on the performance of seismic-isolated bridges. Earthquake Engineering and Structural Dynamics, 2006, 35, 233-250.	4.4	87
3	Equivalent linear analysis of seismic-isolated bridges subjected to near-fault ground motions with forward rupture directivity effect. Engineering Structures, 2007, 29, 21-32.	5.3	72
4	Analytical study on seismic retrofitting of reinforced concrete buildings using steel braces with shear link. Engineering Structures, 2010, 32, 2995-3010.	5.3	57
5	Comprehensive evaluation of equivalent linear analysis method for seismic-isolated structures represented by sdof systems. Engineering Structures, 2007, 29, 1653-1663.	5.3	55
6	Assessment of Performance of Seismic Isolation System of Bolu Viaduct. Journal of Bridge Engineering, 2003, 8, 182-190.	2.9	54
7	Maximum length of integral bridges supported on steel H-piles driven in sand. Engineering Structures, 2003, 25, 1491-1504.	5.3	49
8	Integral Abutment-Backfill Behavior on Sand Soil Pushover Analysis Approach. Journal of Bridge Engineering, 2005, 10, 354-364.	2.9	49
9	Seismic retrofitting of highway bridges in Illinois using friction pendulum seismic isolation bearings and modeling procedures. Engineering Structures, 2003, 25, 1139-1156.	5.3	47
10	Effect of cyclic thermal loading on the performance of steel H-piles in integral bridges with stub-abutments. Journal of Constructional Steel Research, 2004, 60, 161-182.	3.9	46
11	Supplemental elastic stiffness to reduce isolator displacements for seismic-isolated bridges in near-fault zones. Engineering Structures, 2007, 29, 763-775.	5.3	40
12	Live Load Distribution Formulas for Single-Span Prestressed Concrete Integral Abutment Bridge Girders. Journal of Bridge Engineering, 2009, 14, 472-486.	2.9	37
13	A rational design approach for prestressed-concrete-girder integral bridges. Engineering Structures, 2000, 22, 230-245.	5.3	33
14	Seismic performance of chevron braced steel frames with and without viscous fluid dampers as a function of ground motion and damper characteristics. Journal of Constructional Steel Research, 2007, 63, 1102-1115.	3.9	33
15	Effect of dynamic soil-bridge interaction modeling assumptions on the calculated seismic response of integral bridges. Soil Dynamics and Earthquake Engineering, 2014, 66, 42-55.	3.8	33
16	Seismic Design of Lifeline Bridge using Hybrid Seismic Isolation. Journal of Bridge Engineering, 2002, 7, 94-103.	2.9	32
17	Performance of Seismic-Isolated Bridges in Relation to Near-Fault Ground-Motion and Isolator Characteristics. Earthquake Spectra, 2006, 22, 887-907.	3.1	32
18	Parametric analysis of optimum isolator properties for bridges susceptible to near-fault ground motions. Engineering Structures, 2012, 40, 276-287.	5.3	32

#	ARTICLE	IF	CITATIONS
19	Seismic performance of multispan simply supported slab-on-girder steel highway bridges. <i>Engineering Structures</i> , 1995, 17, 4-14.	5.3	28
20	Simplified Model for Computer-Aided Analysis of Integral Bridges. <i>Journal of Bridge Engineering</i> , 2000, 5, 240-248.	2.9	25
21	Development of a new rubber seismic isolator: "Ball Rubber Bearing (BRB)"™. <i>Earthquake Engineering and Structural Dynamics</i> , 2011, 40, 1337-1352.	4.4	25
22	Effect of lead core heating on the seismic performance of bridges isolated with LRB in near-fault zones. <i>Earthquake Engineering and Structural Dynamics</i> , 2012, 41, 1989-2007.	4.4	25
23	An energy approach to sliding of single-span simply supported slab-on-girder steel highway bridges with damaged bearings. <i>Earthquake Engineering and Structural Dynamics</i> , 1995, 24, 395-409.	4.4	24
24	Effect of near-fault ground motion and damper characteristics on the seismic performance of chevron braced steel frames. <i>Earthquake Engineering and Structural Dynamics</i> , 2007, 36, 927-948.	4.4	24
25	$\frac{A_p}{V_p}$ specific inelastic displacement ratio for seismic response estimation of structures. <i>Earthquake Engineering and Structural Dynamics</i> , 2015, 44, 1075-1097.	4.4	24
26	Static Soil-Structure Interaction Effects in Seismic-Isolated Bridges. <i>Practice Periodical on Structural Design and Construction</i> , 2005, 10, 22-33.	1.3	23
27	Estimation of Length Limits for Integral Bridges Built on Clay. <i>Journal of Bridge Engineering</i> , 2004, 9, 572-581.	2.9	22
28	Performance of abutment-backfill system under thermal variations in integral bridges built on clay. <i>Engineering Structures</i> , 2004, 26, 949-962.	5.3	22
29	Effect of thermal induced flexural strain cycles on the low cycle fatigue performance of integral bridge steel H-piles. <i>Engineering Structures</i> , 2016, 124, 388-404.	5.3	22
30	Comparative assessment of the seismic performance of integral and conventional bridges with respect to the differences at the abutments. <i>Bulletin of Earthquake Engineering</i> , 2015, 13, 653-677.	4.1	21
31	Effect of Soil and Substructure Properties on Live-Load Distribution in Integral Abutment Bridges. <i>Journal of Bridge Engineering</i> , 2008, 13, 527-539.	2.9	20
32	Systematic development of a new hysteretic damper based on torsional yielding: part I—design and development. <i>Earthquake Engineering and Structural Dynamics</i> , 2016, 45, 845-867.	4.4	20
33	Simulation of inelastic cyclic buckling behavior of steel box sections. <i>Computers and Structures</i> , 2007, 85, 446-457.	4.4	17
34	Performance of seismic-isolated bridges with and without elastic-gap devices in near-fault zones. <i>Earthquake Engineering and Structural Dynamics</i> , 2008, 37, 935-954.	4.4	17
35	Effect of soil-bridge interaction on the magnitude of internal forces in integral abutment bridge components due to live load effects. <i>Engineering Structures</i> , 2010, 32, 129-145.	5.3	16
36	Optimum characteristic properties of isolators with bilinear force-displacement hysteresis for seismic protection of bridges built on various site soils. <i>Soil Dynamics and Earthquake Engineering</i> , 2011, 31, 982-995.	3.8	16

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37	Effect of the high frequency components of near-fault ground motions on the response of linear and nonlinear SDOF systems: A moving average filtering approach. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 129, 105922.	3.8	16
38	Seismic Performance of Single-Span Simply Supported and Continuous Slab-on-Girder Steel Highway Bridges. <i>Journal of Structural Engineering</i> , 1995, 121, 1497-1506.	3.4	14
39	Live load distribution equations for integral bridge substructures. <i>Engineering Structures</i> , 2009, 31, 1250-1264.	5.3	14
40	Efficiency of Seismic Isolation for Seismic Retrofitting of Heavy Substructured Bridges. <i>Journal of Bridge Engineering</i> , 2005, 10, 429-441.	2.9	13
41	Quantitative Approach to Rapid Seismic Evaluation of Slab-on-Girder Steel Highway Bridges. <i>Journal of Structural Engineering</i> , 1996, 122, 1160-1168.	3.4	11
42	Low-cycle fatigue performance of solid cylindrical steel components subjected to torsion at very large strains. <i>Journal of Constructional Steel Research</i> , 2017, 129, 12-27.	3.9	11
43	Computer-aided optimum design of steel tubular telescopic pole structures. <i>Computers and Structures</i> , 1997, 62, 961-973.	4.4	10
44	Comparative Study on the Effect of Number of Girders on Live Load Distribution in Integral Abutment and Simply Supported Bridge Girders. <i>Advances in Structural Engineering</i> , 2013, 16, 1011-1034.	2.4	9
45	Systematic development of a new hysteretic damper based on torsional yielding: part IIâ€™ experimental phase. <i>Earthquake Engineering and Structural Dynamics</i> , 2016, 45, 779-796.	4.4	9
46	Fatigue-Based Methodology for Managing Impact of Heavy-Permit Trucks on Steel Highway Bridges. <i>Journal of Structural Engineering</i> , 1995, 121, 1651-1659.	3.4	8
47	Efficient Energy Dissipating Steel-Braced Frame to Resist Seismic Loads. <i>Journal of Structural Engineering</i> , 2007, 133, 969-981.	3.4	8
48	Effect of Foundation Soil Stiffness on the Seismic Performance of Integral Bridges. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2011, 21, 162-168.	0.8	8
49	Effect of superstructure-abutment continuity on live load distribution in integral abutment bridge girders. <i>Structural Engineering and Mechanics</i> , 2010, 34, 635-662.	1.0	8
50	Fatigue in jointless bridge H-piles under axial load and thermal movements. <i>Journal of Constructional Steel Research</i> , 2018, 147, 504-522.	3.9	7
51	Analytical formulation of maximum length limits of integral bridges on cohesive soils. <i>Canadian Journal of Civil Engineering</i> , 2005, 32, 726-738.	1.3	6
52	Analytical Prediction of Thermal Displacement Capacity of Integral Bridges Built on Sand. <i>Advances in Structural Engineering</i> , 2005, 8, 15-30.	2.4	5
53	Effect of Modifying Bearing Fixities on the Seismic Response of Short- to Medium-Length Bridges with Heavy Substructures. <i>Earthquake Spectra</i> , 2006, 22, 65-84.	3.1	5
54	Investigation of the Applicability of AASHTO LRFD Live Load Distribution Equations for Integral Bridge Substructures. <i>Advances in Structural Engineering</i> , 2009, 12, 559-578.	2.4	5

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55	Critical Truck Loading Pattern to Maximize Live Load Effects in Skewed Integral Bridges. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2014, 24, 265-274.	0.8	5
56	Simplified seismic analysis of a class of regular steel bridges. Engineering Structures, 2002, 24, 1409-1422.	5.3	4
57	Improved Effective Damping Equation for Equivalent Linear Analysis of Seismic-Isolated Bridges. Earthquake Spectra, 2006, 22, 29-46.	3.1	4
58	Seismic Performance of a Special Type of Single-Story Eccentrically Braced Steel Frame. Advances in Structural Engineering, 2008, 11, 35-51.	2.4	4
59	Evaluation of displacement coefficient method for seismically retrofitted buildings with various ductility capacities. Earthquake Engineering and Structural Dynamics, 2014, 43, 1285-1306.	4.4	3
60	Parametric study on the effect of structural and geotechnical properties on the seismic performance of integral bridges. Bulletin of Earthquake Engineering, 2017, 15, 4163-4191.	4.1	3
61	Nonlinear Analysis of R/C Low-Rise Shear Walls. Advances in Structural Engineering, 2004, 7, 345-361.	2.4	2
62	PREDICTION OF DAMAGE IN R/C SHEAR PANELS SUBJECTED TO REVERSED CYCLIC LOADING. Journal of Earthquake Engineering, 2005, 9, 41-66.	2.5	2
63	SEISMIC RETROFITTING OF BRIDGES BY RESPONSE MODIFICATION TECHNIQUES BASED ON ALTERING BEARING FIXITIES. Journal of Earthquake Engineering, 2005, 9, 483-495.	2.5	2
64	Novel hysteretic damper to improve the distribution of story drifts and energy dissipation along the height of braced frames. Engineering Structures, 2022, 260, 114264.	5.3	2
65	Low cycle fatigue effects in integral bridge steel H-piles under seismic displacement reversals. Bridge Structures, 2013, 9, 185-190.	0.4	1
66	Proposed minimum restoring force requirements for seismic isolated structures. Engineering Structures, 2021, 228, 111549.	5.3	1
67	Damping reduction equation for the equivalent linear analysis of seismic isolated structures subjected to near fault ground motions. Engineering Structures, 2020, 220, 110834.	5.3	0