

Harry W Shenton

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,062
citations

623734

14
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414414

32
g-index

65
all docs

65
docs citations

65
times ranked

816
citing authors

#	ARTICLE	IF	CITATIONS
1	Detecting Changes in the Behavior of the Indian River Inlet Bridge Through Cross-Correlation Analysis of Truck-Induced Strains. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 241-244.	0.5	0
2	Monitoring Neutral Axis Position Using Monthly Sample Residuals as Estimated From a Data Mining Model. Frontiers in Built Environment, 2021, 7, .	2.3	5
3	Integrated Video Analysis Framework for Vision-Based Comparison Study on Structural Displacement and Tilt Measurements. Journal of Structural Engineering, 2021, 147, .	3.4	8
4	Structural Health Monitoring of a Cable-Stayed Bridge Using Regularly Conducted Diagnostic Load Tests. Frontiers in Built Environment, 2019, 5, .	2.3	11
5	Three-Dimensional Finite Element Analysis of Reinforced Concrete Box Culverts Using Infinite Elements. , 2019, , .		1
6	Development of sensor placement optimization tool and application to large-span cable-stayed bridge. Journal of Civil Structural Health Monitoring, 2019, 9, 77-90.	3.9	9
7	Numerical Investigation of Dynamic Load Amplification in Buried Culverts. Transportation Infrastructure Geotechnology, 2018, 5, 24-41.	3.1	8
8	Dynamic Load Allowance Provisions for Box Culverts with Low Fill Depth. Transportation Infrastructure Geotechnology, 2018, 5, 42-58.	3.1	0
9	Compression Set in Closed-Cell Foam Bridge Expansion Joints. Journal of Bridge Engineering, 2018, 23, 04017122.	2.9	0
10	Computing continuous load rating factors for bridges using structural health monitoring data. Journal of Civil Structural Health Monitoring, 2018, 8, 721-735.	3.9	9
11	Assessment of Dynamic Load Allowance for Buried Culverts. , 2018, , .		0
12	Indian river inlet bridge (part A): Description of the bridge and the structural health monitoring system. Bridge Structures, 2017, 13, 3-13.	0.4	11
13	Indian river inlet bridge (part B): Lessons learned from the design, installation, and operation of the structural health monitoring system. Bridge Structures, 2017, 13, 15-24.	0.4	2
14	Performance of Uncoated Weathering Steel Bridge Inventories: Methodology and Gulf Coast Region Evaluation. Journal of Bridge Engineering, 2016, 21, 04016087.	2.9	5
15	National Review on Use and Performance of Uncoated Weathering Steel Highway Bridges. Journal of Bridge Engineering, 2014, 19, .	2.9	14
16	Structural Health Monitoring of Delaware's Indian River Inlet Bridge: Year One Update. , 2014, , .		1
17	A First Course in BIM for Civil Engineering Majors. , 2014, , .		3
18	Performance of Uncoated Weathering Steel Highway Bridges Throughout the United States. Transportation Research Record, 2014, 2406, 61-67.	1.9	3

#	ARTICLE	IF	CITATIONS
19	Delaware's Indian River Inlet Bridge. Transportation Research Record, 2010, 2201, 148-153.	1.9	2
20	Experiences in Testing and Modeling for Bridge Maintenance and Rehabilitation. , 2009, , .		0
21	Results of In-Service Monitoring of a Sample of Typical Highway Bridges. , 2008, , .		0
22	Experimental Cyclic Performance of Viscoelastic Gypsum Connections and Shear Walls. Journal of Structural Engineering, 2008, 134, 87-95.	3.4	13
23	Experimentally Determined Continuous Displacement Influence Lines for Bridges. , 2008, , .		1
24	Thermal and Creep Characteristics of Bio-Based Composite Beams. , 2008, , .		0
25	Application of Orthotropic Thin Plate Theory to Filled Steel Grid Decks for Bridges. Journal of Bridge Engineering, 2007, 12, 807-810.	2.9	4
26	Dead Load Based Damage Identification Method for Long-term Structural Health Monitoring. Journal of Intelligent Material Systems and Structures, 2007, 18, 923-938.	2.5	6
27	Strength behavior of filled steel grid decks for bridges. Bridge Structures, 2007, 3, 105-118.	0.4	1
28	Bio-Based Composite Roof for Residential Construction. Journal of Architectural Engineering, 2007, 13, 136-143.	1.6	9
29	Field Test/Fatigue Investigation of the Summit Bridge. , 2006, , 1.		0
30	Bio-based composite roof structure: Manufacturing and processing issues. Composite Structures, 2006, 74, 379-388.	5.8	102
31	Plan for Structural Health Monitoring of the Indian River Inlet Bridge. , 2006, , 1.		1
32	Using diagnostic load tests for accurate load rating of typical bridges. Bridge Structures, 2006, 2, 13-23.	0.4	11
33	Effects of Vertical Load and Hold-Down Anchors on the Cyclic Response of Wood Framed Shear Walls. Journal of Structural Engineering, 2006, 132, 1426-1434.	3.4	21
34	Damage Identification Based on Dead Load Redistribution: Effect of Measurement Error. Journal of Structural Engineering, 2006, 132, 1264-1273.	3.4	17
35	System for In-Service Strain Monitoring of Ordinary Bridges. Journal of Bridge Engineering, 2006, 11, 673-680.	2.9	24
36	Damage Identification Based on Dead Load Redistribution: Methodology. Journal of Structural Engineering, 2006, 132, 1254-1263.	3.4	41

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37	A System for In-Service Strain Monitoring of Ordinary Bridges. , 2005, , 1.		1
38	Experimental Investigation of the Effect of Vertical Load on the Capacity of Wood Shear Walls. Journal of Structural Engineering, 2005, 131, 1104-1113.	3.4	16
39	Structural Damage Detection using Best Approximated Dead Load Redistribution. Structural Health Monitoring, 2005, 4, 319-339.	7.5	7
40	Load Distribution for a Highly Skewed Bridge: Testing and Analysis. Journal of Bridge Engineering, 2004, 9, 558-562.	2.9	34
41	All natural composite sandwich beams for structural applications. Composite Structures, 2004, 63, 147-157.	5.8	257
42	<title>A network of field test sites as a platform for research on engineering and management of the highway transportation infrastructure</title>. , 2004, , .		0
43	Behavior of open steel grid decks for bridges. Journal of Constructional Steel Research, 2002, 58, 819-842.	3.9	9
44	Diagnostic and In-Service Testing of Transit Railway Bridge. Transportation Research Record, 2001, 1770, 51-57.	1.9	10
45	Performance of Glass Fiber-Reinforced Polymer Deck on Steel Girder Bridge. Transportation Research Record, 2001, 1770, 105-112.	1.9	3
46	Continuous In-Service Monitoring of an FRP Bridge for Long-Term Performance Evaluation. , 2001, , 1.		1
47	SYSTEM IDENTIFICATION BASED ON THE DISTRIBUTION OF TIME BETWEEN ZERO CROSSINGS. Journal of Sound and Vibration, 2001, 243, 577-589.	3.9	2
48	Bridge-Condition Assessment and Load Rating Using Nondestructive Evaluation Methods. Transportation Research Record, 2000, 1696, 83-91.	1.9	16
49	Performance of a Historic 19th Century Wrought-Iron Through-Truss Bridge Rehabilitated Using Advanced Composites. , 2000, , 1.		3
50	Effect of stiffness variability on the response of isolated structures. Earthquake Engineering and Structural Dynamics, 2000, 29, 19-36.	4.4	11
51	Delaware's First All-Composite Bridge. , 2000, , 1.		3
52	Continuous, Long-Term Monitoring of Two Advanced Polymer Composite Bridges. , 2000, , 1.		0
53	Model for Dynamic Analysis of Wood Frame Shear Walls. Journal of Engineering Mechanics - ASCE, 2000, 126, 899-908.	2.9	10
54	The Dynamic Response of Wood-Frame Shear Walls with Viscoelastic Dampers. Earthquake Spectra, 1999, 15, 67-86.	3.1	17

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55	RESPONSE TO: C. Higgins's and K. Kasai's Discussion of "The Dynamic Response of Wood-Frame Shear Walls with Viscoelastic Dampers" Earthquake Spectra, 1999, 15, 841-844.	3.1	0
56	Comparison of Static and Dynamic Response of Timber Shear Walls. Journal of Structural Engineering, 1998, 124, 686-695.	3.4	44
57	Closure to "Base Excitation of Rigid Bodies. I: Formulation" by Henry W. Shenton III and Nicholas P. Jones (October 1991, Vol. 117, No. 10). Journal of Engineering Mechanics - ASCE, 1993, 119, 2140-2141.	2.9	1
58	Closure to "Base Excitation of Rigid Bodies. II: Periodic Slide-Rock Response" by Harry W. Shenton III and Nicholas P. Jones (October, 1991, Vol. 117, No. 10). Journal of Engineering Mechanics - ASCE, 1993, 119, 193-193.	2.9	0
59	Relative Performance of Fixed-Base and Base-Isolated Concrete Frames. Journal of Structural Engineering, 1993, 119, 2952-2968.	3.4	21
60	Seismic Performance of Fixed-Base and Base-Isolated Steel Frames. Journal of Engineering Mechanics - ASCE, 1992, 118, 921-941.	2.9	11
61	Base Excitation of Rigid Bodies. I: Formulation. Journal of Engineering Mechanics - ASCE, 1991, 117, 2286-2306.	2.9	175
62	Base Excitation of Rigid Bodies. II: Periodic Slide-Rock Response. Journal of Engineering Mechanics - ASCE, 1991, 117, 2307-2328.	2.9	55
63	A Modified, Slowly Varying Parameter Approach for Systems With Impulsive Loadings. Journal of Applied Mechanics, Transactions ASME, 1991, 58, 251-258.	2.2	3
64	PC-Based Data Acquisition System for structural monitoring. Journal of Computing in Civil Engineering, 1989, 3, 333-347.	4.7	0
65	Railroad Track Analyses and Determination of Parameters. Journal of Engineering Mechanics - ASCE, 1986, 112, 1117-1134.	2.9	9