

Elisa D Sotelino

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

425
citations

759055

12
h-index

752573

20
g-index

28
all docs

28
docs citations

28
times ranked

287
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional finite element modeling of composite girder bridges. <i>Engineering Structures</i> , 2006, 28, 63-71.	2.6	82
2	Accuracy of a class of concurrent algorithms for transient finite element analysis. <i>International Journal for Numerical Methods in Engineering</i> , 1988, 26, 379-391.	1.5	29
3	Performance Evaluation of Reinforced Concrete Bridge Columns Wrapped with Fiber Reinforced Polymers. <i>Journal of Composites for Construction</i> , 2003, 7, 83-92.	1.7	25
4	Nonlinear Finite Element for Reinforced Concrete Slabs. <i>Journal of Structural Engineering</i> , 2005, 131, 643-649.	1.7	25
5	Failure prediction of skewed jointed plain concrete pavements using 3D FE analysis. <i>Engineering Failure Analysis</i> , 2006, 13, 898-913.	1.8	23
6	An efficient fiber element approach for the thermo-structural simulation of non-uniformly heated frames. <i>Fire Safety Journal</i> , 2012, 51, 18-26.	1.4	23
7	Influence of Secondary Elements and Deck Cracking on the Lateral Load Distribution of Steel Girder Bridges. <i>Journal of Bridge Engineering</i> , 2006, 11, 178-187.	1.4	21
8	Field Investigation of a Sandwich Plate System Bridge Deck. <i>Journal of Performance of Constructed Facilities</i> , 2008, 22, 305-315.	1.0	20
9	The iterative group implicit algorithm for parallel transient finite element analysis. <i>International Journal for Numerical Methods in Engineering</i> , 2000, 47, 869-885.	1.5	18
10	Fiber Heat Transfer Element for Modeling the Thermal Response of Structures in Fire. <i>Journal of Structural Engineering</i> , 2009, 135, 1191-1200.	1.7	18
11	Distributed finite element computations using object-oriented techniques. <i>Engineering With Computers</i> , 1998, 14, 59-72.	3.5	17
12	Nonlinear Finite-Element Analysis of Composite Steel Girder Bridges. <i>Journal of Structural Engineering</i> , 2005, 131, 304-313.	1.7	17
13	Teaching BIM and Its Impact on Young Professionals. <i>Journal of Civil Engineering Education</i> , 2020, 146, .	0.8	14
14	Analysis of Steel Structures in Fire with Force-Based Frame Elements. <i>Journal of Structural Fire Engineering</i> , 2012, 3, 287-300.	0.4	12
15	Design Recommendations for a FRP Bridge Deck Supported on Steel Superstructure. <i>Journal of Composites for Construction</i> , 2008, 12, 660-668.	1.7	11
16	An application of the direct strength method to the design of castellated beams subject to flexure. <i>Engineering Structures</i> , 2021, 243, 112646.	2.6	11
17	Modeling Technique for Honeycomb FRP Deck Bridges via Finite Elements. <i>Journal of Structural Engineering</i> , 2008, 134, 572-580.	1.7	9
18	Simplified Live Load Distribution Factor Equation for Steel Girder Bridges. <i>Transportation Research Record</i> , 2004, 1892, 88-97.	1.0	7

#	ARTICLE	IF	CITATIONS
19	Object-oriented parallel programming tools for structural engineering applications. Computing Systems in Engineering: an International Journal, 1995, 6, 533-548.	0.5	6
20	Modified Iterative Group-Implicit Algorithm for the Dynamic Analysis of Structures. Journal of Structural Engineering, 2004, 130, 1436-1444.	1.7	6
21	Thermo-Structural Response of Highway Bridge Structures with Tub Girders and Plate Girders. Journal of Bridge Engineering, 2017, 22, .	1.4	6
22	The iterative group implicit algorithm for parallel transient finite element analysis. , 2000, 47, 869.		6
23	Applicability of the simplified load distribution factor equation to PSC girder bridges. KSCE Journal of Civil Engineering, 2005, 9, 313-319.	0.9	5
24	Flexural Lateral Load Distribution Characteristics of Sandwich Plate System Bridges: Parametric Investigation. Journal of Bridge Engineering, 2010, 15, 684-694.	1.4	5
25	Stress evolution in elastically heterogeneous and nonlinear fluid-saturated media with a Green's function approach. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 1323-1346.	1.7	4
26	Failure mode and strength prediction of laterally braced Litzka-type castellated beams. Journal of Constructional Steel Research, 2021, 184, 106796.	1.7	4
27	A new row-wise parallel finite element analysis algorithm with dynamic load balancing. International Journal of Earthquake and Impact Engineering, 2020, 3, 120.	0.3	1
28	Domain-by-Domain Algorithm for Nonlinear Finite-Element Analysis of Structures. Journal of Computing in Civil Engineering, 2008, 22, 58-67.	2.5	0