

Andrew John Deeks

List of Publications by Year in descending order

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69
papers

2,743
citations

218381
26
h-index

182168
51
g-index

69
all docs

69
docs citations

69
times ranked

1281
citing authors

#	ARTICLE	IF	CITATIONS
1	A virtual work derivation of the scaled boundary finite-element method for elastostatics. Computational Mechanics, 2002, 28, 489-504.	2.2	294
2	Long term vibration monitoring of an RC slab: Temperature and humidity effect. Engineering Structures, 2006, 28, 441-452.	2.6	274
3	Axisymmetric Time-Dependent Transmitting Boundaries. Journal of Engineering Mechanics - ASCE, 1994, 120, 25-42.	1.6	266
4	Damage detection using artificial neural network with consideration of uncertainties. Engineering Structures, 2007, 29, 2806-2815.	2.6	139
5	Compressive performance of laminated bamboo. Composites Part B: Engineering, 2013, 54, 319-328.	5.9	122
6	Mechanical performance of laminated bamboo column under axial compression. Composites Part B: Engineering, 2015, 79, 374-382.	5.9	99
7	Fully-automatic modelling of cohesive crack growth using a finite element-“scaled boundary finite element coupled method. Engineering Fracture Mechanics, 2007, 74, 2547-2573.	2.0	97
8	Potential flow around obstacles using the scaled boundary finite-element method. International Journal for Numerical Methods in Fluids, 2003, 41, 721-741.	0.9	83
9	Use of higher-order shape functions in the scaled boundary finite element method. International Journal for Numerical Methods in Engineering, 2006, 65, 1714-1733.	1.5	82
10	Determination of coefficients of crack tip asymptotic fields using the scaled boundary finite element method. Engineering Fracture Mechanics, 2005, 72, 2019-2036.	2.0	69
11	Ultimate bending capacity evaluation of laminated bamboo lumber beams. Construction and Building Materials, 2018, 160, 365-375.	3.2	68
12	Anhierarchical adaptive procedure for the scaled boundary finite-element method. International Journal for Numerical Methods in Engineering, 2002, 54, 585-605.	1.5	59
13	The use of Timoshenko's exact solution for a cantilever beam in adaptive analysis. Finite Elements in Analysis and Design, 2008, 44, 595-601.	1.7	57
14	Transient dynamic fracture analysis using scaled boundary finite element method: a frequency-domain approach. Engineering Fracture Mechanics, 2007, 74, 669-687.	2.0	53
15	Condition Assessment of Shear Connectors in Slab-Girder Bridges via Vibration Measurements. Journal of Bridge Engineering, 2008, 13, 43-54.	1.4	45
16	Stiffness of Flexible Caisson Foundations Embedded in Nonhomogeneous Elastic Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 1498-1508.	1.5	43
17	Stress recovery and error estimation for the scaled boundary finite-element method. International Journal for Numerical Methods in Engineering, 2002, 54, 557-583.	1.5	42
18	Dynamic assessment of shear connectors in slab-girder bridges. Engineering Structures, 2007, 29, 1475-1486.	2.6	41

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19	Damage Identification of Shear Connectors with Wavelet Packet Energy: Laboratory Test Study. <i>Journal of Structural Engineering</i> , 2008, 134, 832-841.	1.7	40
20	A meshless local Petrov-Galerkin scaled boundary method. <i>Computational Mechanics</i> , 2005, 36, 159-170.	2.2	37
21	A modified scaled boundary finite-element method for problems with parallel side-faces. Part II. Application and evaluation. <i>Applied Ocean Research</i> , 2005, 27, 224-234.	1.8	36
22	A modified scaled boundary finite-element method for problems with parallel side-faces. Part I. Theoretical developments. <i>Applied Ocean Research</i> , 2005, 27, 216-223.	1.8	36
23	Structure Damage Detection Using Neural Network with Multi-Stage Substructuring. <i>Advances in Structural Engineering</i> , 2010, 13, 95-110.	1.2	35
24	Semi-analytical elastostatic analysis of unbounded two-dimensional domains. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2002, 26, 1031-1057.	1.7	32
25	An Element-Free Galerkin Scaled Boundary Method for Steady-State Heat Transfer Problems. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2013, 64, 199-217.	0.6	29
26	Scaled boundary finite-element analysis of a non-homogeneous elastic half-space. <i>International Journal for Numerical Methods in Engineering</i> , 2003, 57, 955-973.	1.5	28
27	Numerical modelling of large deformations associated with driving of open-ended piles. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2000, 24, 1079-1101.	1.7	24
28	Adaptive coupling of the finite-element and scaled boundary finite-element methods for non-linear analysis of unbounded media. <i>Computers and Geotechnics</i> , 2005, 32, 436-444.	2.3	24
29	A semi-analytical solution method for two-dimensional Helmholtz equation. <i>Applied Ocean Research</i> , 2006, 28, 193-207.	1.8	24
30	Coupling of the boundary element method and the scaled boundary finite element method for computations in fracture mechanics. <i>Computers and Structures</i> , 2008, 86, 1198-1203.	2.4	24
31	Prescribed side-face displacements in the scaled boundary finite-element method. <i>Computers and Structures</i> , 2004, 82, 1153-1165.	2.4	23
32	Numerical modelling of the driving response of thin-walled open-ended piles. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2001, 25, 933-953.	1.7	22
33	Stiffness Assessment through Modal Analysis of an RC Slab Bridge before and after Strengthening. <i>Journal of Bridge Engineering</i> , 2006, 11, 590-601.	1.4	22
34	On the use of cyclic symmetry in SBFEM for heat transfer problems. <i>International Journal of Heat and Mass Transfer</i> , 2014, 71, 98-105.	2.5	22
35	Scaled boundary finite-element analysis of a non-homogeneous axisymmetric domain subjected to general loading. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2003, 27, 813-835.	1.7	21
36	A hybrid meshless local Petrov-Galerkin method for unbounded domains. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2007, 196, 843-852.	3.4	21

#	ARTICLE	IF	CITATIONS
37	Modelling cohesive crack growth using a two-step finite element-scaled boundary finite element coupled method. <i>International Journal of Fracture</i> , 2007, 143, 333-354.	1.1	20
38	An Element-free Galerkin (EFG) scaled boundary method. <i>Finite Elements in Analysis and Design</i> , 2012, 62, 28-36.	1.7	20
39	A Frobenius solution to the scaled boundary finite element equations in frequency domain for bounded media. <i>International Journal for Numerical Methods in Engineering</i> , 2007, 70, 1387-1408.	1.5	19
40	A frequency-domain approach for modelling transient elastodynamics using scaled boundary finite element method. <i>Computational Mechanics</i> , 2007, 40, 725-738.	2.2	19
41	Use of Fourier shape functions in the scaled boundary method. <i>Engineering Analysis With Boundary Elements</i> , 2014, 41, 152-159.	2.0	18
42	Ap-hierarchical adaptive procedure for the scaled boundary finite element method. <i>International Journal for Numerical Methods in Engineering</i> , 2008, 73, 47-70.	1.5	17
43	Substructuring Technique for Damage Detection Using Statistical Multi-Stage Artificial Neural Network. <i>Advances in Structural Engineering</i> , 2010, 13, 619-639.	1.2	16
44	Calculation of transient dynamic stress intensity factors at bimaterial interface cracks using a SBFEM-based frequency-domain approach. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2008, 51, 519-531.	0.2	15
45	Determination of coefficients of crack tip asymptotic fields by an element-free Galerkin scaled boundary method. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2012, 35, 767-785.	1.7	15
46	Elastic response of circular footings embedded in a non-homogeneous half-space. <i>Geotechnique</i> , 2003, 53, 703-714.	2.2	15
47	A p-adaptive scaled boundary finite element method based on maximization of the error decrease rate. <i>Computational Mechanics</i> , 2007, 41, 441-455.	2.2	14
48	Evaluation of Bridge Load Carrying Capacity Using Updated Finite Element Model and Nonlinear Analysis. <i>Advances in Structural Engineering</i> , 2012, 15, 1739-1750.	1.2	13
49	Eccentric Compression Performance of Parallel Bamboo Strand Lumber Columns. <i>BioResources</i> , 2015, 10, .	0.5	13
50	A scaled boundary finite element method for cyclically symmetric two-dimensional elastic analysis. <i>Computers and Structures</i> , 2013, 120, 1-8.	2.4	12
51	Automatic computation of plastic collapse loads for frames. <i>Computers and Structures</i> , 1996, 60, 391-402.	2.4	11
52	Experimental Study on Compressive Bond Anchorage Properties of 500 MPa Steel Bars in Concrete. <i>Journal of Structural Engineering</i> , 2013, 139, .	1.7	9
53	Semi-analytical solution of Laplace's equation in non-equilibrating unbounded problems. <i>Computers and Structures</i> , 2003, 81, 1525-1537.	2.4	8
54	Cones to model foundation vibrations: incompressible soil and axi-symmetric embedment of arbitrary shape. <i>Soil Dynamics and Earthquake Engineering</i> , 2004, 24, 963-978.	1.9	8

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55	Evaluation of the Adequacy of Development Length Requirements for 500 MPa Reinforcing Bars. <i>Advances in Structural Engineering</i> , 2011, 14, 367-378.	1.2	7
56	On the effects of nodal distributions for imposition of essential boundary conditions in the MLPG meshfree method. <i>Communications in Numerical Methods in Engineering</i> , 2005, 21, 389-395.	1.3	6
57	Evaluation of the Effectiveness of Strengthening Intervention by CFRP on MRWA Bridge No. 3014. <i>Journal of Composites for Construction</i> , 2007, 11, 363-374.	1.7	6
58	Using fundamental solutions in the scaled boundary finite element method to solve problems with concentrated loads. <i>Computational Mechanics</i> , 2014, 53, 641-657.	2.2	5
59	Semi-analytical far field model for three-dimensional finite-element analysis. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2004, 28, 1121-1140.	1.7	4
60	Tensile bond anchorage properties of Australian 500N steel bars in concrete. <i>Journal of Central South University</i> , 2012, 19, 2718-2725.	1.2	4
61	Flexural Performance of Laminated Bamboo Lumber Beams. <i>BioResources</i> , 2015, 11, .	0.5	4
62	Moment transfer factors for column-supported cast-in-situ hollow core slabs. <i>Journal of Zhejiang University: Science A</i> , 2012, 13, 165-173.	1.3	3
63	Efficient solution of piecewise-linear structures. <i>Computers and Structures</i> , 1993, 48, 595-605.	2.4	2
64	Mechanics Comparison between Hollow Floor and Solid Floor. <i>Applied Mechanics and Materials</i> , 0, 94-96, 654-657.	0.2	2
65	Semi-analytical elastostatic analysis of two-dimensional domains with similar boundaries. <i>Structural Engineering and Mechanics</i> , 2002, 14, 99-118.	1.0	2
66	Axi-symmetric dynamic finite element analysis of cylindrical shells with initial distortion. <i>Computers and Structures</i> , 2005, 83, 1834-1848.	2.4	1
67	A NODE-BASED ERROR ESTIMATOR FOR THE ELEMENT-FREE GALERKIN (EFG) METHOD. <i>International Journal of Computational Methods</i> , 2014, 11, 1350059.	0.8	1
68	Fuzzy Expert System for Construction Vibration Risk Prediction. <i>Advances in Information Sciences and Service Sciences</i> , 2011, 3, 50-57.	0.1	1
69	Efficient analysis of stress singularities using the scaled boundary finite-element method. , 2001, , 142-145.		0