

Andrew John Deeks

List of Publications by Year in Descending Order

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Version: 2024-04-24

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67
papers

2,230
citations

25
h-index

46
g-index

69
ext. papers

2,463
ext. citations

3.4
avg, IF

5.02
L-index

#	Paper	IF	Citations
67	Ultimate bending capacity evaluation of laminated bamboo lumber beams. <i>Construction and Building Materials</i> , 2018 , 160, 365-375	6.7	46
66	Eccentric Compression Performance of Parallel Bamboo Strand Lumber Columns. <i>BioResources</i> , 2015 , 10,	1.3	9
65	Mechanical performance of laminated bamboo column under axial compression. <i>Composites Part B: Engineering</i> , 2015 , 79, 374-382	10	71
64	Using fundamental solutions in the scaled boundary finite element method to solve problems with concentrated loads. <i>Computational Mechanics</i> , 2014 , 53, 641-657	4	5
63	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	4.9	18
62	Use of Fourier shape functions in the scaled boundary method. <i>Engineering Analysis With Boundary Elements</i> , 2014 , 41, 152-159	2.6	16
61	A NODE-BASED ERROR ESTIMATOR FOR THE ELEMENT-FREE GALERKIN (EFG) METHOD. <i>International Journal of Computational Methods</i> , 2014 , 11, 1350059	1.1	
60	Experimental Study on Compressive Bond Anchorage Properties of 500 MPa Steel Bars in Concrete. <i>Journal of Structural Engineering</i> , 2013 , 139, 04013005	3	4
59	A scaled boundary finite element method for cyclically symmetric two-dimensional elastic analysis. <i>Computers and Structures</i> , 2013 , 120, 1-8	4.5	10
58	Compressive performance of laminated bamboo. <i>Composites Part B: Engineering</i> , 2013 , 54, 319-328	10	90
57	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	1.3	23
56	Moment transfer factors for column-supported cast-in-situ hollow core slabs. <i>Journal of Zhejiang University: Science A</i> , 2012 , 13, 165-173	2.1	0
55	An Element-free Galerkin (EFG) scaled boundary method. <i>Finite Elements in Analysis and Design</i> , 2012 , 62, 28-36	2.2	18
54	Tensile bond anchorage properties of Australian 500N steel bars in concrete. <i>Journal of Central South University</i> , 2012 , 19, 2718-2725	2.1	2
53	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	3	14
52	Evaluation of Bridge Load Carrying Capacity Using Updated Finite Element Model and Nonlinear Analysis. <i>Advances in Structural Engineering</i> , 2012 , 15, 1739-1750	1.9	10
51	Evaluation of the Adequacy of Development Length Requirements for 500 MPa Reinforcing Bars. <i>Advances in Structural Engineering</i> , 2011 , 14, 367-378	1.9	6

50	Mechanics Comparison between Hollow Floor and Solid Floor. <i>Applied Mechanics and Materials</i> , 2011 , 94-96, 654-657	0.3	1
49	Structure Damage Detection Using Neural Network with Multi-Stage Substructuring. <i>Advances in Structural Engineering</i> , 2010 , 13, 95-110	1.9	26
48	Substructuring Technique for Damage Detection Using Statistical Multi-Stage Artificial Neural Network. <i>Advances in Structural Engineering</i> , 2010 , 13, 619-639	1.9	13
47	Condition Assessment of Shear Connectors in Slab-Girder Bridges via Vibration Measurements. <i>Journal of Bridge Engineering</i> , 2008 , 13, 43-54	2.7	36
46	Damage Identification of Shear Connectors with Wavelet Packet Energy: Laboratory Test Study. <i>Journal of Structural Engineering</i> , 2008 , 134, 832-841	3	36
45	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	4.5	23
44	Calculation of transient dynamic stress intensity factors at bimaterial interface cracks using a SBFEM-based frequency-domain approach 2008 , 51, 519-531		14
43	A p-hierarchical adaptive procedure for the scaled boundary finite element method. <i>International Journal for Numerical Methods in Engineering</i> , 2008 , 73, 47-70	2.4	12
42	The use of Timoshenko's exact solution for a cantilever beam in adaptive analysis. <i>Finite Elements in Analysis and Design</i> , 2008 , 44, 595-601	2.2	50
41	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	2.4	15
40	A hybrid meshless local Petrov-Galerkin method for unbounded domains. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2007 , 196, 843-852	5.7	20
39	Damage detection using artificial neural network with consideration of uncertainties. <i>Engineering Structures</i> , 2007 , 29, 2806-2815	4.7	118
38	Transient dynamic fracture analysis using scaled boundary finite element method: a frequency-domain approach. <i>Engineering Fracture Mechanics</i> , 2007 , 74, 669-687	4.2	49
37	Fully-automatic modelling of cohesive crack growth using a finite element-scaled boundary finite element coupled method. <i>Engineering Fracture Mechanics</i> , 2007 , 74, 2547-2573	4.2	84
36	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	2.3	17
35	A frequency-domain approach for modelling transient elastodynamics using scaled boundary finite element method. <i>Computational Mechanics</i> , 2007 , 40, 725-738	4	16
34	A p-adaptive scaled boundary finite element method based on maximization of the error decrease rate. <i>Computational Mechanics</i> , 2007 , 41, 441-455	4	12
33	Dynamic assessment of shear connectors in slab-girder bridges. <i>Engineering Structures</i> , 2007 , 29, 1475-1486	4.7	38

32	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	3.3	5
31	Use of higher-order shape functions in the scaled boundary finite element method. <i>International Journal for Numerical Methods in Engineering</i> , 2006 , 65, 1714-1733	2.4	66
30	Stiffness Assessment through Modal Analysis of an RC Slab Bridge before and after Strengthening. <i>Journal of Bridge Engineering</i> , 2006 , 11, 590-601	2.7	20
29	A semi-analytical solution method for two-dimensional Helmholtz equation. <i>Applied Ocean Research</i> , 2006 , 28, 193-207	3.4	20
28	Long term vibration monitoring of an RC slab: Temperature and humidity effect. <i>Engineering Structures</i> , 2006 , 28, 441-452	4.7	214
27	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	3.4	29
26	Determination of coefficients of crack tip asymptotic fields using the scaled boundary finite element method. <i>Engineering Fracture Mechanics</i> , 2005 , 72, 2019-2036	4.2	62
25	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	4.4	21
24	Axi-symmetric dynamic finite element analysis of cylindrical shells with initial distortion. <i>Computers and Structures</i> , 2005 , 83, 1834-1848	4.5	1
23	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		5
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	3.4	30
21	A meshless local Petrov-Galerkin scaled boundary method. <i>Computational Mechanics</i> , 2005 , 36, 159-170	4	32
20	Stiffness of Flexible Caisson Foundations Embedded in Nonhomogeneous Elastic Soil. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2005 , 131, 1498-1508	3.4	30
19	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	4	4
18	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	3.5	8
17	Prescribed side-face displacements in the scaled boundary finite-element method. <i>Computers and Structures</i> , 2004 , 82, 1153-1165	4.5	20
16	Potential flow around obstacles using the scaled boundary finite-element method. <i>International Journal for Numerical Methods in Fluids</i> , 2003 , 41, 721-741	1.9	73
15	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	4	19

14	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	2.4	26
13	Semi-analytical solution of Laplace's equation in non-equilibrating unbounded problems. <i>Computers and Structures</i> , 2003 , 81, 1525-1537	4.5	6
12	Elastic response of circular footings embedded in a non-homogeneous half-space. <i>Geotechnique</i> , 2003 , 53, 703-714	3.4	8
11	Semi-analytical elastostatic analysis of unbounded two-dimensional domains. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2002 , 26, 1031-1057	4	26
10	Stress recovery and error estimation for the scaled boundary finite-element method. <i>International Journal for Numerical Methods in Engineering</i> , 2002 , 54, 557-583	2.4	38
9	An h-hierarchical adaptive procedure for the scaled boundary finite-element method. <i>International Journal for Numerical Methods in Engineering</i> , 2002 , 54, 585-605	2.4	55
8	A virtual work derivation of the scaled boundary finite-element method for elastostatics. <i>Computational Mechanics</i> , 2002 , 28, 489-504	4	244
7	Semi-analytical elastostatic analysis of two-dimensional domains with similar boundaries. <i>Structural Engineering and Mechanics</i> , 2002 , 14, 99-118		2
6	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	4	20
5	Efficient analysis of stress singularities using the scaled boundary finite-element method 2001 , 142-145		
4	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	4	18
3	Automatic computation of plastic collapse loads for frames. <i>Computers and Structures</i> , 1996 , 60, 391-402.5	4.5	10
2	Axisymmetric Time-Domain Transmitting Boundaries. <i>Journal of Engineering Mechanics - ASCE</i> , 1994 , 120, 25-42	2.4	193
1	Efficient solution of piecewise-linear structures. <i>Computers and Structures</i> , 1993 , 48, 595-605	4.5	2