

# Chongmin Song

## List of Publications by Year in descending order

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214  
papers

8,152  
citations

38660

50  
h-index

66788

78  
g-index

216  
all docs

216  
docs citations

216  
times ranked

2219  
citing authors

#	ARTICLE	IF	CITATIONS
1	The scaled boundary finite-element method "alias consistent infinitesimal finite-element cell method" for elastodynamics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1997, 147, 329-355.	3.4	621
2	The scaled boundary finite-element method " a primer: derivations. <i>Computers and Structures</i> , 2000, 78, 191-210.	2.4	241
3	Polygon scaled boundary finite elements for crack propagation modelling. <i>International Journal for Numerical Methods in Engineering</i> , 2012, 91, 319-342.	1.5	190
4	Semi-analytical representation of stress singularities as occurring in cracks in anisotropic multi-materials with the scaled boundary finite-element method. <i>Computers and Structures</i> , 2002, 80, 183-197.	2.4	158
5	A matrix function solution for the scaled boundary finite-element equation in statics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2004, 193, 2325-2356.	3.4	145
6	The scaled boundary finite-element method " a primer: solution procedures. <i>Computers and Structures</i> , 2000, 78, 211-225.	2.4	142
7	Probabilistic interval analysis for structures with uncertainty. <i>Structural Safety</i> , 2010, 32, 191-199.	2.8	137
8	Nonlinear primary resonance of functionally graded porous cylindrical shells using the method of multiple scales. <i>Thin-Walled Structures</i> , 2018, 125, 281-293.	2.7	136
9	The scaled boundary finite element method in structural dynamics. <i>International Journal for Numerical Methods in Engineering</i> , 2009, 77, 1139-1171.	1.5	134
10	Hybrid probabilistic interval analysis of bar structures with uncertainty using a mixed perturbation Monte-Carlo method. <i>Finite Elements in Analysis and Design</i> , 2011, 47, 643-652.	1.7	125
11	A review of the scaled boundary finite element method for two-dimensional linear elastic fracture mechanics. <i>Engineering Fracture Mechanics</i> , 2018, 187, 45-73.	2.0	120
12	A continued-fraction-based high-order transmitting boundary for wave propagation in unbounded domains of arbitrary geometry. <i>International Journal for Numerical Methods in Engineering</i> , 2008, 74, 209-237.	1.5	116
13	Automatic image-based stress analysis by the scaled boundary finite element method. <i>International Journal for Numerical Methods in Engineering</i> , 2017, 109, 697-738.	1.5	114
14	Adaptation of quadtree meshes in the scaled boundary finite element method for crack propagation modelling. <i>Engineering Fracture Mechanics</i> , 2015, 144, 101-117.	2.0	106
15	A definition and evaluation procedure of generalized stress intensity factors at cracks and multi-material wedges. <i>Engineering Fracture Mechanics</i> , 2010, 77, 2316-2336.	2.0	104
16	CONSISTENT INFINITESIMAL FINITE-ELEMENT CELL METHOD: THREE-DIMENSIONAL VECTOR WAVE EQUATION. <i>International Journal for Numerical Methods in Engineering</i> , 1996, 39, 2189-2208.	1.5	101
17	A numerical approach for the computation of dispersion relations for plate structures using the Scaled Boundary Finite Element Method. <i>Journal of Sound and Vibration</i> , 2012, 331, 2543-2557.	2.1	101
18	Evaluation of power-logarithmic singularities, T-stresses and higher order terms of in-plane singular stress fields at cracks and multi-material corners. <i>Engineering Fracture Mechanics</i> , 2005, 72, 1498-1530.	2.0	100

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19	A scaled boundary polygon formulation for elasto-plastic analyses. Computer Methods in Applied Mechanics and Engineering, 2014, 268, 905-937.	3.4	100
20	The scaled boundary finite-element method: analytical solution in frequency domain. Computer Methods in Applied Mechanics and Engineering, 1998, 164, 249-264.	3.4	92
21	A unified 3D-based technique for plate bending analysis using scaled boundary finite element method. International Journal for Numerical Methods in Engineering, 2012, 91, 491-515.	1.5	89
22	Isogeometric analysis enhanced by the scaled boundary finite element method. Computer Methods in Applied Mechanics and Engineering, 2015, 283, 733-762.	3.4	80
23	Low-discrepancy sequence initialized particle swarm optimization algorithm with high-order nonlinear time-varying inertia weight. Applied Soft Computing Journal, 2015, 29, 386-394.	4.1	79
24	Adaptive phase-field modeling of brittle fracture using the scaled boundary finite element method. Computer Methods in Applied Mechanics and Engineering, 2019, 355, 284-307.	3.4	79
25	Some cornerstones of dynamic soil-structure interaction. Engineering Structures, 2002, 24, 13-28.	2.6	77
26	The scaled boundary finite-element method – a fundamental solution-less boundary-element method. Computer Methods in Applied Mechanics and Engineering, 2001, 190, 5551-5568.	3.4	76
27	A super-element for crack analysis in the time domain. International Journal for Numerical Methods in Engineering, 2004, 61, 1332-1357.	1.5	75
28	Three-dimensional mesoscale modelling of concrete composites by using random walking algorithm. Composites Science and Technology, 2017, 149, 235-245.	3.8	75
29	Scaled boundary polygons with application to fracture analysis of functionally graded materials. International Journal for Numerical Methods in Engineering, 2014, 98, 562-589.	1.5	74
30	Convergence and accuracy of displacement based finite element formulations over arbitrary polygons: Laplace interpolants, strain smoothing and scaled boundary polygon formulation. Finite Elements in Analysis and Design, 2014, 85, 101-122.	1.7	72
31	Simulation of elastic guided waves interacting with defects in arbitrarily long structures using the Scaled Boundary Finite Element Method. Journal of Computational Physics, 2015, 295, 438-455.	1.9	72
32	Body loads in scaled boundary finite-element method. Computer Methods in Applied Mechanics and Engineering, 1999, 180, 117-135.	3.4	70
33	An improved continued-fraction-based high-order transmitting boundary for time-domain analyses in unbounded domains. International Journal for Numerical Methods in Engineering, 2012, 89, 269-298.	1.5	69
34	High-order plate bending analysis based on the scaled boundary finite element method. International Journal for Numerical Methods in Engineering, 2013, 95, 331-360.	1.5	69
35	Dynamic crack propagation simulation with scaled boundary polygon elements and automatic remeshing technique. Engineering Fracture Mechanics, 2013, 106, 1-21.	2.0	67
36	Automatic polyhedral mesh generation and scaled boundary finite element analysis of STL models. Computer Methods in Applied Mechanics and Engineering, 2017, 313, 106-132.	3.4	65

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37	Experimental and numerical study of the dependency of interface fracture in concrete-rock specimens on mode mixity. <i>Engineering Fracture Mechanics</i> , 2014, 124-125, 287-309.	2.0	62
38	The scaled boundary finite element method?alias consistent infinitesimal finite element cell method?for diffusion. <i>International Journal for Numerical Methods in Engineering</i> , 1999, 45, 1403-1431.	1.5	61
39	Evaluation of dynamic stress intensity factors and T-stress using the scaled boundary finite-element method. <i>Engineering Fracture Mechanics</i> , 2008, 75, 1960-1980.	2.0	60
40	The computation of dispersion relations for three-dimensional elastic waveguides using the Scaled Boundary Finite Element Method. <i>Journal of Sound and Vibration</i> , 2013, 332, 3756-3771.	2.1	59
41	A high-order approach for modelling transient wave propagation problems using the scaled boundary finite element method. <i>International Journal for Numerical Methods in Engineering</i> , 2014, 97, 937-959.	1.5	59
42	Computation of three-dimensional fracture parameters at interface cracks and notches by the scaled boundary finite element method. <i>Engineering Fracture Mechanics</i> , 2015, 148, 213-242.	2.0	57
43	Free vibration and mechanical buckling of plates with in-plane material inhomogeneity - A three dimensional consistent approach. <i>Composite Structures</i> , 2014, 118, 634-642.	3.1	56
44	Efficient wave propagation simulation on quadtree meshes using SBFEM with reduced modal basis. <i>International Journal for Numerical Methods in Engineering</i> , 2017, 110, 1119-1141.	1.5	56
45	Probabilistic fracture mechanics by using Monte Carlo simulation and the scaled boundary finite element method. <i>Engineering Fracture Mechanics</i> , 2011, 78, 2369-2389.	2.0	55
46	Automatic modelling of cohesive crack propagation in concrete using polygon scaled boundary finite elements. <i>Engineering Fracture Mechanics</i> , 2012, 93, 13-33.	2.0	55
47	Representation of singular fields without asymptotic enrichment in the extended finite element method. <i>International Journal for Numerical Methods in Engineering</i> , 2013, 96, 813-841.	1.5	54
48	A quadtree-polygon-based scaled boundary finite element method for image-based mesoscale fracture modelling in concrete. <i>Engineering Fracture Mechanics</i> , 2019, 211, 420-441.	2.0	53
49	Analysis of singular stress fields at multi-material corners under thermal loading. <i>International Journal for Numerical Methods in Engineering</i> , 2006, 65, 620-652.	1.5	52
50	High-order doubly asymptotic open boundaries for scalar wave equation. <i>International Journal for Numerical Methods in Engineering</i> , 2009, 79, 340-374.	1.5	52
51	Time-harmonic response of non-homogeneous elastic unbounded domains using the scaled boundary finite-element method. <i>Earthquake Engineering and Structural Dynamics</i> , 2006, 35, 357-383.	2.5	51
52	Dynamic fracture simulations using the scaled boundary finite element method on hybrid polygon-quadtree meshes. <i>International Journal of Impact Engineering</i> , 2016, 90, 154-164.	2.4	51
53	Interval dynamic response analysis of vehicle-bridge interaction system with uncertainty. <i>Journal of Sound and Vibration</i> , 2013, 332, 3218-3231.	2.1	50
54	Semi-analytical analysis for piezoelectric plate using the scaled boundary finite-element method. <i>Computers and Structures</i> , 2014, 137, 47-62.	2.4	50

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55	Transient analysis of wave propagation in layered soil by using the scaled boundary finite element method. <i>Computers and Geotechnics</i> , 2015, 63, 1-12.	2.3	49
56	Design of Multi-phase Piezoelectric Actuators. <i>Journal of Intelligent Material Systems and Structures</i> , 2010, 21, 1851-1865.	1.4	48
57	Modelling of crack propagation of gravity dams by scaled boundary polygons and cohesive crack model. <i>International Journal of Fracture</i> , 2013, 183, 29-48.	1.1	46
58	Fracture analysis of piezoelectric materials using the scaled boundary finite element method. <i>Engineering Fracture Mechanics</i> , 2013, 97, 52-71.	2.0	46
59	Nonlinear dynamic stability of the orthotropic functionally graded cylindrical shell surrounded by Winkler-Pasternak elastic foundation subjected to a linearly increasing load. <i>Journal of Sound and Vibration</i> , 2018, 415, 147-168.	2.1	44
60	A scaled boundary finite element based node-to-node scheme for 2D frictional contact problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 333, 114-146.	3.4	43
61	Consistent Infinitesimal Finite-Elementâ€œCell Method: Out-of-Plane Motion. <i>Journal of Engineering Mechanics - ASCE</i> , 1995, 121, 613-619.	1.6	42
62	Analysis of transient wave scattering and its applications to site response analysis using the scaled boundary finite-element method. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 98, 191-205.	1.9	42
63	Transient dynamic analysis of interface cracks in anisotropic bimetals by the scaled boundary finite-element method. <i>International Journal of Solids and Structures</i> , 2010, 47, 978-989.	1.3	41
64	An automatic approach for the acoustic analysis of three-dimensional bounded and unbounded domains by scaled boundary finite element method. <i>International Journal of Mechanical Sciences</i> , 2019, 151, 563-581.	3.6	41
65	Consistent infinitesimal finite-element cell method: in-plane motion. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1995, 123, 355-370.	3.4	40
66	Probabilistic interval stability assessment for structures with mixed uncertainty. <i>Structural Safety</i> , 2016, 58, 105-118.	2.8	40
67	Spectral stochastic isogeometric analysis of linear elasticity. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 332, 157-190.	3.4	40
68	Development of a fundamental-solution-less boundary element method for exterior wave problems. <i>Communications in Numerical Methods in Engineering</i> , 2006, 24, 257-279.	1.3	39
69	A quadtree-polygon-based scaled boundary finite element method for crack propagation modeling in functionally graded materials. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 94, 120-133.	2.1	39
70	Nonlocal damage modelling by the scaled boundary finite element method. <i>Engineering Analysis With Boundary Elements</i> , 2019, 99, 29-45.	2.0	39
71	The simulation of Lamb waves in a cracked plate using the scaled boundary finite element method. <i>Journal of the Acoustical Society of America</i> , 2012, 132, 1358-1367.	0.5	38
72	On the computation of dispersion curves for axisymmetric elastic waveguides using the Scaled Boundary Finite Element Method. <i>Computers and Structures</i> , 2014, 131, 46-55.	2.4	38

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73	Stochastic interval analysis of natural frequency and mode shape of structures with uncertainties. <i>Journal of Sound and Vibration</i> , 2014, 333, 2483-2503.	2.1	37
74	Nonlinear dynamic characteristics and stability of composite orthotropic plate on elastic foundation under thermal environment. <i>Composite Structures</i> , 2017, 168, 619-632.	3.1	37
75	The computation of dispersion relations for axisymmetric waveguides using the Scaled Boundary Finite Element Method. <i>Ultrasonics</i> , 2014, 54, 1373-1385.	2.1	36
76	Crack propagation modelling in functionally graded materials using scaled boundary polygons. <i>International Journal of Fracture</i> , 2015, 192, 87-105.	1.1	36
77	SBFEM for fracture analysis of piezoelectric composites under thermal load. <i>International Journal of Solids and Structures</i> , 2015, 52, 114-129.	1.3	36
78	A massively parallel explicit solver for elasto-dynamic problems exploiting octree meshes. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 380, 113811.	3.4	36
79	Transient analysis of wave propagation in non-homogeneous elastic unbounded domains by using the scaled boundary finite-element method. <i>Earthquake Engineering and Structural Dynamics</i> , 2006, 35, 1787-1806.	2.5	35
80	Three-dimensional damage analysis by the scaled boundary finite element method. <i>Computers and Structures</i> , 2018, 206, 1-17.	2.4	35
81	Dynamic analysis and reliability assessment of structures with uncertain-but-bounded parameters under stochastic process excitations. <i>Reliability Engineering and System Safety</i> , 2014, 132, 46-59.	5.1	34
82	A node-to-node scheme for three-dimensional contact problems using the scaled boundary finite element method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 347, 928-956.	3.4	34
83	An improved non-classical method for the solution of fractional differential equations. <i>Computational Mechanics</i> , 2010, 46, 721-734.	2.2	33
84	Time-domain analysis of gravity dam-reservoir interaction using high-order doubly asymptotic open boundary. <i>Computers and Structures</i> , 2011, 89, 668-680.	2.4	33
85	2D dynamic analysis of cracks and interface cracks in piezoelectric composites using the SBFEM. <i>International Journal of Solids and Structures</i> , 2014, 51, 2096-2108.	1.3	33
86	Hydraulic fracture at the dam-foundation interface using the scaled boundary finite element method coupled with the cohesive crack model. <i>Engineering Analysis With Boundary Elements</i> , 2018, 88, 41-53.	2.0	32
87	A boundary condition in Padé series for frequency-domain solution of wave propagation in unbounded domains. <i>International Journal for Numerical Methods in Engineering</i> , 2007, 69, 2330-2358.	1.5	31
88	Coupled acoustic response of two-dimensional bounded and unbounded domains using doubly-asymptotic open boundaries. <i>Journal of Computational Physics</i> , 2016, 310, 252-284.	1.9	31
89	Dynamic analysis of unbounded domains by a reduced set of base functions. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006, 195, 4075-4094.	3.4	30
90	A continued-fraction approach for transient diffusion in unbounded medium. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2009, 198, 2576-2590.	3.4	30

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91	Shape morphing of laminated composite structures with photostrictive actuators via topology optimization. <i>Composite Structures</i> , 2011, 93, 406-418.	3.1	30
92	A scaled boundary finite element formulation over arbitrary faceted star convex polyhedra. <i>Engineering Analysis With Boundary Elements</i> , 2017, 80, 218-229.	2.0	30
93	Dynamic-stiffness matrix in time domain of unbounded medium by infinitesimal finite element cell method. <i>Earthquake Engineering and Structural Dynamics</i> , 1994, 23, 1181-1198.	2.5	29
94	Computation of dynamic stress intensity factors in cracked functionally graded materials using scaled boundary polygons. <i>Engineering Fracture Mechanics</i> , 2014, 131, 210-231.	2.0	29
95	Numerical modelling of wave propagation in anisotropic soil using a displacement unit-impulse-response-based formulation of the scaled boundary finite element method. <i>Soil Dynamics and Earthquake Engineering</i> , 2014, 65, 243-255.	1.9	29
96	Numerical modeling of elastic waveguides coupled to infinite fluid media using exact boundary conditions. <i>Computers and Structures</i> , 2014, 141, 36-45.	2.4	29
97	Nonlinear dynamic buckling of the imperfect orthotropic E-FGM circular cylindrical shells subjected to the longitudinal constant velocity. <i>International Journal of Mechanical Sciences</i> , 2018, 138-139, 199-209.	3.6	29
98	Computation of dispersion curves for embedded waveguides using a dashpot boundary condition. <i>Journal of the Acoustical Society of America</i> , 2014, 135, 1127-1138.	0.5	28
99	Numerical evaluation of stress intensity factors and T-stress for interfacial cracks and cracks terminating at the interface without asymptotic enrichment. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2014, 279, 86-112.	3.4	28
100	Micromechanics determination of effective material coefficients of cement-based piezoelectric ceramic composites. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 845-862.	1.4	28
101	Crack propagation modelling in concrete using the scaled boundary finite element method with hybrid polygon-quadtree meshes. <i>International Journal of Fracture</i> , 2017, 203, 135-157.	1.1	27
102	An efficient scaled boundary finite element method for transient vibro-acoustic analysis of plates and shells. <i>Computers and Structures</i> , 2020, 231, 106211.	2.4	27
103	A local high-order doubly asymptotic open boundary for diffusion in a semi-infinite layer. <i>Journal of Computational Physics</i> , 2010, 229, 6156-6179.	1.9	26
104	Stochastic finite element analysis of structures in the presence of multiple imprecise random field parameters. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016, 300, 657-688.	3.4	26
105	A polytree based coupling method for non-matching meshes in 3D. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 349, 743-773.	3.4	26
106	Automatic scaled boundary finite element method for three-dimensional elastoplastic analysis. <i>International Journal of Mechanical Sciences</i> , 2020, 171, 105374.	3.6	26
107	Analysis of cracks and notches in piezoelectric composites using scaled boundary finite element method. <i>Composite Structures</i> , 2013, 101, 191-203.	3.1	25
108	Stress analysis of 3D complex geometries using the scaled boundary polyhedral finite elements. <i>Computational Mechanics</i> , 2016, 58, 697-715.	2.2	25



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109	Construction of high-order complete scaled boundary shape functions over arbitrary polygons with bubble functions. <i>International Journal for Numerical Methods in Engineering</i> , 2016, 108, 1086-1120.	1.5	25
110	Interval spectral stochastic finite element analysis of structures with aggregation of random field and bounded parameters. <i>International Journal for Numerical Methods in Engineering</i> , 2016, 108, 1198-1229.	1.5	24
111	Automatic three-dimensional acoustic-structure interaction analysis using the scaled boundary finite element method. <i>Journal of Computational Physics</i> , 2019, 395, 432-460.	1.9	24
112	On mass lumping and explicit dynamics in the scaled boundary finite element method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 370, 113274.	3.4	24
113	Probabilistic fracture mechanics with uncertainty in crack size and orientation using the scaled boundary finite element method. <i>Computers and Structures</i> , 2014, 137, 93-103.	2.4	23
114	Finite fracture mechanics analysis using the scaled boundary finite element method. <i>Engineering Fracture Mechanics</i> , 2015, 134, 330-353.	2.0	23
115	Discrete modeling of fiber reinforced composites using the scaled boundary finite element method. <i>Composite Structures</i> , 2020, 235, 111744.	3.1	23
116	A polygon scaled boundary finite element formulation for transient coupled thermoelastic fracture problems. <i>Engineering Fracture Mechanics</i> , 2020, 240, 107300.	2.0	23
117	Dynamic stiffness of unbounded medium based on damping-solvent extraction. <i>Earthquake Engineering and Structural Dynamics</i> , 1994, 23, 169-181.	2.5	22
118	Time-domain analysis of wave propagation in 3-D unbounded domains by the scaled boundary finite element method. <i>Soil Dynamics and Earthquake Engineering</i> , 2015, 75, 171-182.	1.9	22
119	Reliability analysis of homogeneous and bimaterial cracked structures by the scaled boundary finite element method and a hybrid random-interval model. <i>Structural Safety</i> , 2016, 59, 53-66.	2.8	22
120	A novel error indicator and an adaptive refinement technique using the scaled boundary finite element method. <i>Engineering Analysis With Boundary Elements</i> , 2018, 94, 10-24.	2.0	22
121	Dynamic-stiffness matrix of unbounded soil by finite-element multi-cell cloning. <i>Earthquake Engineering and Structural Dynamics</i> , 1994, 23, 233-250.	2.5	21
122	A scaled boundary finite element formulation for poroelasticity. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 114, 905-929.	1.5	21
123	Numerical estimation of stress intensity factors in cracked functionally graded piezoelectric materials – A scaled boundary finite element approach. <i>Composite Structures</i> , 2018, 206, 301-312.	3.1	21
124	Modelling of laminated composite plates with weakly bonded interfaces using scaled boundary finite element method. <i>International Journal of Mechanical Sciences</i> , 2020, 170, 105349.	3.6	21
125	Unit-impulse response of unbounded medium by scaled boundary finite-element method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1998, 159, 355-367.	3.4	20
126	A novel scaled boundary finite element formulation with stabilization and its application to image-based elastoplastic analysis. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 115, 956-985.	1.5	20



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127	A smoothed finite element method for octree-based polyhedral meshes with large number of hanging nodes and irregular elements. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 359, 112646.	3.4	20
128	Adaptive analysis using scaled boundary finite element method in 3D. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 372, 113374.	3.4	20
129	An SBFEM Approach for Rate-Dependent Inelasticity with Application to Image-Based Analysis. <i>International Journal of Mechanical Sciences</i> , 2020, 182, 105778.	3.6	20
130	Doubly asymptotic multi-directional transmitting boundary for dynamic unbounded medium-structure-interaction analysis. <i>Earthquake Engineering and Structural Dynamics</i> , 1995, 24, 175-188.	2.5	19
131	Nonlinear dynamic stability analysis of Euler-Bernoulli beam-columns with damping effects under thermal environment. <i>Nonlinear Dynamics</i> , 2017, 90, 2423-2444.	2.7	19
132	Spectral stochastic isogeometric analysis of free vibration. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 350, 1-27.	3.4	19
133	Consistent infinitesimal finite-element cell method for diffusion equation in unbounded medium. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1996, 132, 319-334.	3.4	17
134	3-D infinite boundary elements and simulation of monolithic dam foundations. <i>Communications in Applied Numerical Methods</i> , 1989, 5, 389-400.	0.5	16
135	An open-source ABAQUS implementation of the scaled boundary finite element method to study interfacial problems using polyhedral meshes. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 381, 113766.	3.4	16
136	Thermoelastic fracture analysis of functionally graded materials using the scaled boundary finite element method. <i>Engineering Fracture Mechanics</i> , 2022, 264, 108305.	2.0	16
137	Time-variant random interval natural frequency analysis of structures. <i>Journal of Sound and Vibration</i> , 2018, 414, 284-298.	2.1	15
138	Three-dimensional image-based numerical homogenisation using octree meshes. <i>Computers and Structures</i> , 2020, 237, 106263.	2.4	15
139	A direct complementarity approach for the elastoplastic analysis of plane stress and plane strain structures. <i>International Journal for Numerical Methods in Engineering</i> , 2012, 90, 838-866.	1.5	14
140	Finite element computations over quadtree meshes: strain smoothing and semi-analytical formulation. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2015, 7, 124-133.	0.7	14
141	Crack analyses in porous piezoelectric brittle materials by the SBFEM. <i>Engineering Fracture Mechanics</i> , 2016, 160, 78-94.	2.0	14
142	High-order implicit time integration scheme based on Padé expansions. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022, 390, 114436.	3.4	14
143	Shape sensitivity analysis of stress intensity factors by the scaled boundary finite element method. <i>Engineering Fracture Mechanics</i> , 2014, 116, 13-30.	2.0	13
144	Time-variant random interval response of concrete-filled steel tubular composite curved structures. <i>Composites Part B: Engineering</i> , 2016, 94, 122-138.	5.9	13

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145	Micromechanics determination of effective properties of voided magneto-electroelastic materials. Computational Materials Science, 2016, 116, 103-112.	1.4	13
146	A scaled boundary finite element formulation with bubble functions for elasto-static analyses of functionally graded materials. Computational Mechanics, 2017, 60, 943-967.	2.2	13
147	Nondeterministic dynamic stability assessment of Euler-Bernoulli beams using Chebyshev surrogate model. Applied Mathematical Modelling, 2019, 66, 1-25.	2.2	13
148	Numerical modelling of transverse cracking in embankment dams. Computers and Geotechnics, 2021, 132, 104028.	2.3	13
149	Shape optimization of acoustic devices using the Scaled Boundary Finite Element Method. Wave Motion, 2021, 104, 102732.	1.0	13
150	A direct time-domain procedure for the seismic analysis of dam-foundation-reservoir systems using the scaled boundary finite element method. Computers and Geotechnics, 2021, 138, 104364.	2.3	12
151	Probabilistic interval geometrically nonlinear analysis for structures. Structural Safety, 2017, 65, 100-112.	2.8	12
152	Development of the scaled boundary finite element method for image-based slope stability analysis. Computers and Geotechnics, 2022, 143, 104586.	2.3	12
153	Fracture analysis of cracked magneto-electro-elastic functionally graded materials using scaled boundary finite element method. Theoretical and Applied Fracture Mechanics, 2022, 118, 103228.	2.1	12
154	Adaptive modelling of dynamic brittle fracture - a combined phase field regularized cohesive zone model and scaled boundary finite element approach. International Journal of Fracture, 2022, 236, 87-108.	1.1	12
155	Unit-impulse response matrix of unbounded medium by infinitesimal finite-element cell method. Computer Methods in Applied Mechanics and Engineering, 1995, 122, 251-272.	3.4	11
156	Nonlocal dynamic damage modelling of quasi-brittle composites using the scaled boundary finite element method. Engineering Fracture Mechanics, 2020, 240, 107362.	2.0	11
157	A dual scaled boundary finite element formulation over arbitrary faceted star convex polyhedra. Computational Mechanics, 2020, 66, 27-47.	2.2	11
158	Static Stiffness of Unbounded Soil by Finite-Element Method. Journal of Geotechnical Engineering, 1996, 122, 267-273.	0.4	10
159	Application of scaled boundary finite element method for delamination analysis of composite laminates using cohesive zone modelling. Composite Structures, 2020, 253, 112773.	3.1	10
160	A time-domain approach for the simulation of three-dimensional seismic wave propagation using the scaled boundary finite element method. Soil Dynamics and Earthquake Engineering, 2022, 152, 107011.	1.9	10
161	CONSISTENT INFINITESIMAL FINITE-ELEMENT CELL METHOD IN FREQUENCY DOMAIN. Earthquake Engineering and Structural Dynamics, 1996, 25, 1307-1327.	2.5	9
162	Consistent Infinitesimal Finite Element Cell Method: Three-Dimensional Scalar Wave Equation. Journal of Applied Mechanics, Transactions ASME, 1996, 63, 650-654.	1.1	9

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