

Sundararajan Natarajan

List of Publications by Year in descending order

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198
papers

5,831
citations

65775

41
h-index

89465

68
g-index

202
all docs

202
docs citations

202
times ranked

3171
citing authors

#	ARTICLE	IF	CITATIONS
1	NURBS-based finite element analysis of functionally graded plates: Static bending, vibration, buckling and flutter. <i>Composite Structures</i> , 2013, 99, 309-326.	5.9	286
2	Strain smoothing in FEM and XFEM. <i>Computers and Structures</i> , 2010, 88, 1419-1443.	4.5	257
3	Bending and vibration of functionally graded material sandwich plates using an accurate theory. <i>Finite Elements in Analysis and Design</i> , 2012, 57, 32-42.	3.2	194
4	Size-dependent free flexural vibration behavior of functionally graded nanoplates. <i>Computational Materials Science</i> , 2012, 65, 74-80.	3.1	191
5	An adaptive singular ES-FEM for mechanics problems with singular field of arbitrary order. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2013, 253, 252-273.	6.7	185
6	Psychological adjustment after breast cancer: a systematic review of longitudinal studies. <i>Psycho-Oncology</i> , 2017, 26, 917-926.	2.5	167
7	Numerical integration over arbitrary polygonal domains based on Schwarzâ€™Christoffel conformal mapping. <i>International Journal for Numerical Methods in Engineering</i> , 2009, 80, 103-134.	2.8	158
8	Phase field modelling of crack propagation in functionally graded materials. <i>Composites Part B: Engineering</i> , 2019, 169, 239-248.	12.0	156
9	Application of higher-order structural theory to bending and free vibration analysis of sandwich plates with CNT reinforced composite facesheets. <i>Composite Structures</i> , 2014, 113, 197-207.	5.9	151
10	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.	4.3	131
11	Natural frequencies of cracked functionally graded material plates by the extended finite element method. <i>Composite Structures</i> , 2011, 93, 3082-3092.	5.9	129
12	Adaptation of quadtree meshes in the scaled boundary finite element method for crack propagation modelling. <i>Engineering Fracture Mechanics</i> , 2015, 144, 101-117.	4.3	111
13	Integrating strong and weak discontinuities without integration subcells and example applications in an XFEM/GFEM framework. <i>International Journal for Numerical Methods in Engineering</i> , 2010, 83, 269-294.	2.8	103
14	An experimental/numerical investigation into the main driving force for crack propagation in uni-directional fibre-reinforced composite laminae. <i>Composite Structures</i> , 2014, 107, 119-130.	5.9	85
15	Linear smoothed polygonal and polyhedral finite elements. <i>International Journal for Numerical Methods in Engineering</i> , 2017, 109, 1263-1288.	2.8	85
16	Adaptive phase-field modeling of brittle fracture using the scaled boundary finite element method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 355, 284-307.	6.7	85
17	Isogeometric analysis enhanced by the scaled boundary finite element method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015, 283, 733-762.	6.7	80
18	Convergence and accuracy of displacement based finite element formulations over arbitrary polygons: Laplace interpolants, strain smoothing and scaled boundary polygon formulation. <i>Finite Elements in Analysis and Design</i> , 2014, 85, 101-122.	3.2	72

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19	Hygrothermal effects on the free vibration and buckling of laminated composites with cutouts. <i>Composite Structures</i> , 2014, 108, 848-855.	5.9	68
20	Dynamic instability analysis of sandwich plates with CNT reinforced facesheets. <i>Composite Structures</i> , 2016, 146, 187-200.	5.9	64
21	Linear free flexural vibration of cracked functionally graded plates in thermal environment. <i>Computers and Structures</i> , 2011, 89, 1535-1546.	4.5	63
22	Extended finite element method for dynamic fracture of piezo-electric materials. <i>Engineering Fracture Mechanics</i> , 2012, 92, 19-31.	4.3	61
23	Multi-frequency acoustic topology optimization of sound-absorption materials with isogeometric boundary element methods accelerated by frequency-decoupling and model order reduction techniques. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022, 395, 114997.	6.7	61
24	Virtual and smoothed finite elements: A connection and its application to polygonal/polyhedral finite element methods. <i>International Journal for Numerical Methods in Engineering</i> , 2015, 104, 1173-1199.	2.8	59
25	Modeling crack propagation in variable stiffness composite laminates using the phase field method. <i>Composite Structures</i> , 2019, 209, 424-433.	5.9	59
26	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.	5.9	58
27	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.	4.3	57
28	Linear buckling analysis of cracked plates by SFEM and XFEM. <i>Journal of Mechanics of Materials and Structures</i> , 2011, 6, 1213-1238.	0.6	56
29	Analysis of Functionally Graded Material Plates Using Triangular Elements with Cell-Based Smoothed Discrete Shear Gap Method. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-13.	1.2	56
30	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.	2.8	54
31	A parametric study on the buckling of functionally graded material plates with internal discontinuities using the partition of unity method. <i>European Journal of Mechanics, A/Solids</i> , 2014, 44, 136-147.	3.8	53
32	Dynamic fracture simulations using the scaled boundary finite element method on hybrid polygonal-quadtree meshes. <i>International Journal of Impact Engineering</i> , 2016, 90, 154-164.	5.0	52
33	A FEniCS implementation of the phase field method for quasi-static brittle fracture. <i>Frontiers of Structural and Civil Engineering</i> , 2019, 13, 380-396.	2.8	52
34	Isogeometric analysis and Genetic Algorithm for shape-adaptive composite marine propellers. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015, 284, 835-860.	6.7	50
35	Adaptive phase field method for quasi-static brittle fracture using a recovery based error indicator and quadtree decomposition. <i>Engineering Fracture Mechanics</i> , 2019, 220, 106599.	4.3	50
36	On a family of convected particle domain interpolations in the material point method. <i>Finite Elements in Analysis and Design</i> , 2017, 126, 50-64.	3.2	49

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37	Linear smoothed extended finite element method for fatigue crack growth simulations. <i>Engineering Fracture Mechanics</i> , 2019, 206, 551-564.	4.3	49
38	Panel flutter characteristics of sandwich plates with CNT reinforced facesheets using an accurate higher-order theory. <i>Journal of Fluids and Structures</i> , 2014, 50, 376-391.	3.4	45
39	Smoothed finite element and genetic algorithm based optimization for shape adaptive composite marine propellers. <i>Composite Structures</i> , 2014, 109, 189-197.	5.9	45
40	Evolutionary-based aeroelastic tailoring of stiffened laminate composite panels in supersonic flow regime. <i>Composite Structures</i> , 2017, 167, 30-37.	5.9	42
41	On the use of NURBS-based discretizations in the scaled boundary finite element method for wave propagation problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 315, 867-880.	6.7	42
42	An XFEM/CZM based inverse method for identification of composite failure parameters. <i>Computers and Structures</i> , 2015, 153, 91-97.	4.5	41
43	Environmental effects on the free vibration of curvilinear fibre composite laminates with cutouts. <i>Composites Part B: Engineering</i> , 2016, 88, 131-138.	12.0	40
44	Adaptive phase field method using novel physics based refinement criteria. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 383, 113874.	6.7	40
45	Crack propagation modelling in functionally graded materials using scaled boundary polygons. <i>International Journal of Fracture</i> , 2015, 192, 87-105.	2.2	38
46	A combined scheme of edge-based and node-based smoothed finite element methods for Reissner-Mindlin flat shells. <i>Engineering With Computers</i> , 2016, 32, 267-284.	5.8	38
47	SBFEM for fracture analysis of piezoelectric composites under thermal load. <i>International Journal of Solids and Structures</i> , 2015, 52, 114-129.	2.7	37
48	Variable stiffness laminated composite shells – Free vibration characteristics based on higher-order structural theory. <i>Composite Structures</i> , 2018, 188, 407-414.	5.9	36
49	Investigation of supersonic flutter of thick doubly curved sandwich panels with CNT reinforced facesheets using higher-order structural theory. <i>Composite Structures</i> , 2015, 127, 340-355.	5.9	35
50	A scaled boundary finite element formulation over arbitrary faceted star convex polyhedra. <i>Engineering Analysis With Boundary Elements</i> , 2017, 80, 218-229.	3.7	34
51	Theoretical prediction and FEM analysis of superplastic forming of AA7475 aluminum alloy in a hemispherical die. <i>Journal of Materials Processing Technology</i> , 2006, 173, 247-251.	6.4	32
52	Gradient plasticity crack tip characterization by means of the extended finite element method. <i>Computational Mechanics</i> , 2017, 59, 831-842.	3.9	32
53	Analysis of composite plates by a unified formulation-cell based smoothed finite element method and field consistent elements. <i>Composite Structures</i> , 2013, 105, 75-81.	5.9	31
54	Contact mechanics at the nanoscale, a 3D multiscale approach. <i>International Journal for Numerical Methods in Engineering</i> , 2009, 79, 1041-1067.	2.8	29

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55	Nonlinear Dynamic Thermal Buckling of Sandwich Spherical and Conical Shells with CNT Reinforced Facesheets. <i>International Journal of Structural Stability and Dynamics</i> , 2017, 17, 1750100.	2.5	29
56	Crack propagation modelling in concrete using the scaled boundary finite element method with hybrid polygonal quadrtree meshes. <i>International Journal of Fracture</i> , 2017, 203, 135-157.	2.2	29
57	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.	6.7	28
58	A linear smoothed quadratic finite element for the analysis of laminated composite Reissner-Mindlin plates. <i>Composite Structures</i> , 2017, 180, 395-411.	5.9	28
59	Scaled boundary polygons for linear elastodynamics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 333, 238-256.	6.7	28
60	A unified polygonal locking-free thin/thick smoothed plate element. <i>Composite Structures</i> , 2019, 219, 147-157.	5.9	27
61	Mechanical buckling of curvilinear fibre composite laminate with material discontinuities and environmental effects. <i>Composite Structures</i> , 2015, 131, 790-798.	5.9	26
62	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.	2.8	26
63	Linear smoothed extended finite element method. <i>International Journal for Numerical Methods in Engineering</i> , 2017, 112, 1733-1749.	2.8	26
64	A fully smoothed XFEM for analysis of axisymmetric problems with weak discontinuities. <i>International Journal for Numerical Methods in Engineering</i> , 2017, 110, 203-226.	2.8	25
65	Adaptive analysis using scaled boundary finite element method in 3D. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 372, 113374.	6.7	25
66	A polygon scaled boundary finite element formulation for transient coupled thermoelastic fracture problems. <i>Engineering Fracture Mechanics</i> , 2020, 240, 107300.	4.3	25
67	Efficient recovery-based error estimation for the smoothed finite element method for smooth and singular linear elasticity. <i>Computational Mechanics</i> , 2013, 52, 37-52.	3.9	24
68	Isogeometric analysis of thin Reissner-Mindlin shells: locking phenomena and B-bar method. <i>Computational Mechanics</i> , 2020, 65, 1323-1341.	3.9	24
69	A new framework based on XFEM for cracked semipermeable piezoelectric material. <i>Engineering Fracture Mechanics</i> , 2021, 253, 107874.	4.3	24
70	Vibration of Functionally Graded Material Plates with Cutouts & Cracks in Thermal Environment. <i>Key Engineering Materials</i> , 0, 560, 157-180.	0.2	23
71	GPS constraints on the Mw = 7.5 Ometepe earthquake sequence, southern Mexico: coseismic and post-seismic deformation. <i>Geophysical Journal International</i> , 2014, 199, 200-218.	2.4	23
72	A scaled boundary finite element formulation for poroelasticity. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 114, 905-929.	2.8	23

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73	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.	3.7	23
74	Size effects in elastic-plastic functionally graded materials. <i>Composite Structures</i> , 2018, 204, 43-51.	5.9	23
75	Numerical Analysis of the Inclusion-Crack Interaction by the Extended Finite Element Method. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2014, 15, 26-32.	2.1	22
76	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.	5.9	22
77	A phase-field cohesive zone model integrated with cell-based smoothed finite element method for quasi-brittle fracture simulations of concrete at mesoscale. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022, 396, 115074.	6.7	22
78	A CT image-driven computational framework for investigating complex 3D fracture in mesoscale concrete. <i>Cement and Concrete Composites</i> , 2023, 143, 105270.	10.5	22
79	Numerical estimations of lightning-induced mechanical damage in carbon/epoxy composites using shock wave overpressure and equivalent air blast overpressure. <i>Composite Structures</i> , 2019, 224, 111039.	5.9	21
80	A polygonal FEM and continuum damage mechanics based framework for stochastic simulation of fatigue life scatter in duplex microstructure titanium alloys. <i>Mechanics of Materials</i> , 2021, 163, 104071.	3.3	21
81	Analysis of sandwich structures with corrugated and spiderweb-inspired cores for aerospace applications. <i>Thin-Walled Structures</i> , 2022, 180, 109812.	5.3	21
82	A locally refined adaptive isogeometric analysis for steady-state heat conduction problems. <i>Engineering Analysis With Boundary Elements</i> , 2020, 117, 119-131.	3.7	20
83	Adaptive modelling of dynamic brittle fracture - a combined phase field regularized cohesive zone model and scaled boundary finite element approach. <i>International Journal of Fracture</i> , 2022, 236, 87-108.	2.2	20
84	Assessment of certain higher-order structural models based on global approach for bending analysis of curvilinear composite laminates. <i>Composite Structures</i> , 2014, 118, 548-559.	5.9	19
85	Static and free vibration analysis of cross-ply laminated plates using the Reissner-mixed variational theorem and the cell based smoothed finite element method. <i>European Journal of Mechanics, A/Solids</i> , 2017, 62, 14-21.	3.8	19
86	A new locking-free polygonal plate element for thin and thick plates based on Reissner-Mindlin plate theory and assumed shear strain fields. <i>Computers and Structures</i> , 2019, 220, 32-42.	4.5	19
87	Development of User Element Routine (UEL) for Cell-Based Smoothed Finite Element Method (CSFEM) in Abaqus. <i>International Journal of Computational Methods</i> , 2020, 17, 1850128.	1.3	19
88	A combined virtual element method and the scaled boundary finite element method for linear elastic fracture mechanics. <i>Engineering Analysis With Boundary Elements</i> , 2020, 113, 9-16.	3.7	19
89	An adaptive isogeometric phase-field method for brittle fracture in rock-like materials. <i>Engineering Fracture Mechanics</i> , 2022, 263, 108298.	4.3	19
90	Thermoelastic fracture analysis of functionally graded materials using the scaled boundary finite element method. <i>Engineering Fracture Mechanics</i> , 2022, 264, 108305.	4.3	19

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91	An explicit methodology of random fibre modelling for FRC fracture using non-conforming meshes and cohesive interface elements. <i>Composite Structures</i> , 2023, 310, 116762.	5.9	19
92	A COMPARISON OF DIFFERENT DILUTE SOLUTION EXPLOSIONS PRETREATMENT FOR CONVERSION OF DISTILLERS' GRAINS INTO ETHANOL. <i>Preparative Biochemistry and Biotechnology</i> , 2013, 43, 1-21.	2.0	18
93	A non-intrusive stochastic phase field method for crack propagation in functionally graded materials. <i>Acta Mechanica</i> , 2021, 232, 2555-2574.	2.1	18
94	Virtual element method for semilinear elliptic problems on polygonal meshes. <i>Applied Numerical Mathematics</i> , 2019, 145, 175-187.	2.2	17
95	A dual scaled boundary finite element formulation over arbitrary faceted star convex polyhedra. <i>Computational Mechanics</i> , 2020, 66, 27-47.	3.9	17
96	Three-dimensional phase-field modeling of brittle fracture using an adaptive octree-based scaled boundary finite element approach. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022, 399, 115364.	6.7	17
97	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.	1.2	15
98	Nonlinear finite element post-flutter analysis of multibay composite panels in supersonic regime. <i>Composite Structures</i> , 2017, 180, 883-891.	5.9	15
99	Implementation of the virtual element method for coupled thermo-elasticity in Abaqus. <i>Numerical Algorithms</i> , 2019, 80, 1037-1058.	1.9	15
100	Adaptive importance sampling based neural network framework for reliability and sensitivity prediction for variable stiffness composite laminates with hybrid uncertainties. <i>Composite Structures</i> , 2020, 245, 112344.	5.9	15
101	Analysis of composite plates through cell-based smoothed finite element and 4-noded mixed interpolation of tensorial components techniques. <i>Computers and Structures</i> , 2014, 135, 83-87.	4.5	14
102	Delamination growth in composite laminates of variable stiffness. <i>International Journal for Numerical Methods in Engineering</i> , 2016, 108, 1406-1424.	2.8	14
103	Quadratic serendipity finite elements over convex polyhedra. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 113, 109-129.	2.8	14
104	Virtual element method for semilinear sine-Gordon equation over polygonal mesh using product approximation technique. <i>Mathematics and Computers in Simulation</i> , 2020, 172, 224-243.	4.6	14
105	A virtual element discretization for the time dependent Navier-Stokes equations in stream-function formulation. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2021, 55, 2535-2566.	1.9	14
106	A new framework based on XFEM to study the role of electrostatic tractions in semipermeable piezoelectric material. <i>Engineering Fracture Mechanics</i> , 2022, 266, 108398.	4.3	14
107	Analysis of cross-ply laminated plates using isogeometric analysis and unified formulation. <i>Curved and Layered Structures</i> , 2014, 1, .	1.3	13
108	A scaled boundary finite element formulation with bubble functions for elasto-static analyses of functionally graded materials. <i>Computational Mechanics</i> , 2017, 60, 943-967.	3.9	13

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109	Simulation of bridging mechanisms in complex laminates using a hybrid PF-CZM method. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 7743-7771.	2.5	13
110	Fracture analysis of cracked magneto-electro-elastic functionally graded materials using scaled boundary finite element method. <i>Theoretical and Applied Fracture Mechanics</i> , 2022, 118, 103228.	4.7	13
111	Polytopal composite finite elements for modeling concrete fracture based on nonlocal damage models. <i>Computational Mechanics</i> , 2020, 66, 1257-1274.	3.9	12
112	Non Uniform Rational B-Splines and Lagrange approximations for time-harmonic acoustic scattering: accuracy and absorbing boundary conditions. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , 2021, 27, 263-294.	2.2	12
113	Smoothed polygonal finite element method for generalized elastic solids subjected to torsion. <i>Computers and Structures</i> , 2017, 188, 32-44.	4.5	11
114	A linear smoothed higher-order CS-FEM for the analysis of notched laminated composites. <i>Engineering Analysis With Boundary Elements</i> , 2017, 85, 127-135.	3.7	11
115	Multi-Sensor Data Analytics for Grinding Wheel Redress Life Estimation- An Approach towards Industry 4.0. <i>Procedia Manufacturing</i> , 2018, 26, 1230-1241.	2.0	11
116	A one point integration rule over star convex polytopes. <i>Computers and Structures</i> , 2019, 215, 43-64.	4.5	11
117	An adaptive scaled boundary finite element method for contact analysis. <i>European Journal of Mechanics, A/Solids</i> , 2021, 86, 104180.	3.8	11
118	Color PET-MRI Medical Image Fusion Combining Matching Regional Spectrum in Shearlet Domain. <i>International Journal of Image and Graphics</i> , 2019, 19, 1950004.	1.6	10
119	Cell-based smoothed finite element method for modelling interfacial cracks with non-matching grids. <i>Engineering Fracture Mechanics</i> , 2021, 242, 107476.	4.3	10
120	Implementing the Node Based Smoothed Finite Element Method as User Element in Abaqus for Linear and Nonlinear Elasticity. <i>Computers, Materials and Continua</i> , 2019, 61, 481-502.	2.0	10
121	Dynamic response of viscoelastic functionally graded hollow cylinder subjected to thermo-mechanical loads. <i>Composite Structures</i> , 2018, 201, 414-422.	5.9	9
122	Crack growth in homogeneous media using an adaptive isogeometric fourth-order phase-field model. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2023, 413, 116122.	6.7	9
123	Optimal Numerical Integration Schemes for a Family of Polygonal Finite Elements with Schwarzâ€“Christoffel Conformal Mapping. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2018, 19, 283-304.	2.1	8
124	Adaptive smoothed stable extended finite element method for weak discontinuities for finite elasticity. <i>European Journal of Mechanics, A/Solids</i> , 2019, 78, 103824.	3.8	8
125	Extension of the scaled boundary finite element method to treat implicitly defined interfaces without enrichment. <i>Computers and Structures</i> , 2020, 229, 106159.	4.5	8
126	A Non-Intrusive Stochastic Isogeometric Analysis of Functionally Graded Plates with Material Uncertainty. <i>Axioms</i> , 2020, 9, 92.	1.9	8

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127	Virtual element method for a nonlocal elliptic problem of Kirchhoff type on polygonal meshes. Computers and Mathematics With Applications, 2020, 79, 2856-2871.	2.8	8
128	Bounds of mechanical properties of fibre reinforced polymer composites with hybrid random and interval uncertainties. Thin-Walled Structures, 2023, 182, 110158.	5.3	8
129	An adaptive dynamic phase-field method using the variable-node elements for cohesive dynamic fracture. Computer Methods in Applied Mechanics and Engineering, 2023, 416, 116390.	6.7	8
130	Lp-boundedness of Multilinear Pseudo-differential Operators on Zn and Tn. Mathematical Modelling of Natural Phenomena, 2014, 9, 17-38.	2.3	7
131	A volume-averaged nodal projection method for the Reissner-Mindlin plate model. Computer Methods in Applied Mechanics and Engineering, 2018, 341, 827-850.	6.7	7
132	Using FRPs in elastic regime for the storage and handling of mechanical energy and power: Application in spiral springs. Composite Structures, 2019, 213, 317-327.	5.9	7
133	Roll-over shape of a prosthetic foot: a finite element evaluation and experimental validation. Medical and Biological Engineering and Computing, 2020, 58, 2259-2270.	2.9	7
134	Virtual element methods for nonlocal parabolic problems on general type of meshes. Advances in Computational Mathematics, 2020, 46, 1.	1.6	7
135	Unpacking microlevel social-purpose organisation in a less affluent economy: The cases of type 2 social business. Journal of Business Research, 2021, 125, 621-629.	10.5	7
136	Error estimation for the polygonal finite element method for smooth and singular linear elasticity. Computers and Mathematics With Applications, 2021, 92, 109-119.	2.8	7
137	Functionally graded material panel flutter by cell-based smoothed finite elements. Journal of Coupled Systems and Multiscale Dynamics, 2013, 1, 205-215.	0.2	7
138	±-Finite Element Method for Frictionless and Frictional Contact Including Large Deformation. International Journal of Computational Methods, 2021, 18, .	1.3	6
139	An adaptive phase-field simulation for hydrogen embrittlement fracture with multi-patch isogeometric method. Computer Methods in Applied Mechanics and Engineering, 2024, 418, 116539.	6.7	6
140	A three-field stabilized finite element method for fluid-structure interaction: elastic solid and rigid body limit. International Journal for Numerical Methods in Engineering, 2015, 104, 566-584.	2.8	5
141	Trefftz polygonal finite element for linear elasticity: convergence, accuracy, and properties. Asia Pacific Journal on Computational Engineering, 2017, 4, .	2.2	5
142	Treatment of multiple input uncertainties using the scaled boundary finite element method. Applied Mathematical Modelling, 2021, 99, 538-554.	4.3	5
143	A cell-based smoothed finite element method for finite elasticity. International Journal for Computational Methods in Engineering Science and Mechanics, 2022, 23, 536-550.	2.1	5
144	Convergence Analysis of Virtual Element Method for Nonlinear Nonlocal Dynamic Plate Equation. Journal of Scientific Computing, 2022, 91, 1.	2.4	5

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145	Distributed PINN for Linear Elasticity – A Unified Approach for Smooth, Singular, Compressible and Incompressible Media. International Journal of Computational Methods, 2022, 19, .	1.3	5
146	Adaptive phase-field modelling of fracture propagation in poroelastic media using the scaled boundary finite element method. Computer Methods in Applied Mechanics and Engineering, 2023, 411, 116056.	6.7	5
147	On the application of polygonal finite element method for Stokes flow – A comparison between equal order and different order approximation. Computer Aided Geometric Design, 2020, 77, 101813.	1.3	4
148	On the H^1 Conforming Virtual Element Method for Time Dependent Stokes Equation. Mathematics in Computer Science, 2021, 15, 135-154.	0.5	4
149	Application of Adaptive Phase-Field Scaled Boundary Finite Element Method for Functionally Graded Materials. International Journal of Computational Methods, 2021, 18, 2041007.	1.3	4
150	Effects of stress-diffusion interactions in an isotropic elastic medium in the presence of geometric discontinuities. Journal of Coupled Systems and Multiscale Dynamics, 2016, 4, 230-240.	0.2	4
151	A cell-based smoothed finite-element method for gradient elasticity. Engineering With Computers, 2023, 39, 925-942.	5.8	4
152	SBFEM and Bayesian inference for efficient multiple flaw detection in structures. Engineering Analysis With Boundary Elements, 2023, 155, 226-250.	3.7	4
153	Adaptive quadtree polygonal based edge-based smoothed finite element method for quasi-incompressible hyperelastic solids. Engineering Analysis With Boundary Elements, 2023, 155, 973-994.	3.7	4
154	Scaled boundary finite element method for compressible and nearly incompressible elasticity over arbitrary polytopes. International Journal for Numerical Methods in Engineering, 2019, 119, 1379-1394.	2.8	3
155	A Stochastic Galerkin Cell-based Smoothed Finite Element Method (SGCS-FEM). International Journal of Computational Methods, 2020, 17, 1950054.	1.3	3
156	Smoothed-strain approach to topology optimization – a numerical study for optimal control parameters. Journal of Computational Design and Engineering, 2021, 8, 1267-1289.	3.0	3
157	On the fractional transversely isotropic functionally graded nature of soft biological tissues: Application to the meniscal tissue. Journal of the Mechanical Behavior of Biomedical Materials, 2023, 143, 105855.	3.1	3
158	Adaptive multi-patch isogeometric phase-field method for quasi-static brittle fracture based on Nitsche’s method. Computer Methods in Applied Mechanics and Engineering, 2023, 414, 116154.	6.7	3
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