

Gr Liu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An edge-based smoothed finite element method (ES-FEM) for static, free and forced vibration analyses of solids. <i>Journal of Sound and Vibration</i> , 2009, 320, 1100-1130.	2.1	596
2	A node-based smoothed finite element method (NS-FEM) for upper bound solutions to solid mechanics problems. <i>Computers and Structures</i> , 2009, 87, 14-26.	2.4	526
3	On the optimal shape parameters of radial basis functions used for 2-D meshless methods. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2002, 191, 2611-2630.	3.4	468
4	A LOCAL RADIAL POINT INTERPOLATION METHOD (LRPIM) FOR FREE VIBRATION ANALYSES OF 2-D SOLIDS. <i>Journal of Sound and Vibration</i> , 2001, 246, 29-46.	2.1	461
5	A nonlinear interval number programming method for uncertain optimization problems. <i>European Journal of Operational Research</i> , 2008, 188, 1-13.	3.5	318
6	Mesh Free Methods. , 0, , .		311
7	Restoring particle consistency in smoothed particle hydrodynamics. <i>Applied Numerical Mathematics</i> , 2006, 56, 19-36.	1.2	308
8	Meshfree Methods. , 0, , .		264
9	An n-sided polygonal smoothed finite element method (nSFEM) for solid mechanics. <i>Finite Elements in Analysis and Design</i> , 2007, 43, 847-860.	1.7	248
10	Constructing smoothing functions in smoothed particle hydrodynamics with applications. <i>Journal of Computational and Applied Mathematics</i> , 2003, 155, 263-284.	1.1	216
11	An improved SPH method for modeling liquid sloshing dynamics. <i>Computers and Structures</i> , 2012, 100-101, 18-26.	2.4	199
12	A novel alpha finite element method ($\hat{\alpha}$ FEM) for exact solution to mechanics problems using triangular and tetrahedral elements. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2008, 197, 3883-3897.	3.4	193
13	Extended finite element method with edge-based strain smoothing (ESm-XFEM) for linear elastic crack growth. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2012, 209-212, 250-265.	3.4	193
14	Modeling incompressible flows using a finite particle method. <i>Applied Mathematical Modelling</i> , 2005, 29, 1252-1270.	2.2	190
15	An edge-based smoothed finite element method (ES-FEM) with stabilized discrete shear gap technique for analysis of Reissner-Mindlin plates. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2010, 199, 471-489.	3.4	187
16	VIBRATION ANALYSIS OF THIN CYLINDRICAL SHELLS USING WAVE PROPAGATION APPROACH. <i>Journal of Sound and Vibration</i> , 2001, 239, 397-403.	2.1	181
17	Computer simulation of high explosive explosion using smoothed particle hydrodynamics methodology. <i>Computers and Fluids</i> , 2003, 32, 305-322.	1.3	178
18	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.	3.4	178

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19	Free and forced vibration analysis using the smoothed finite element method (SFEM). Journal of Sound and Vibration, 2007, 301, 803-820.	2.1	173
20	A local point interpolation method for static and dynamic analysis of thin beams. Computer Methods in Applied Mechanics and Engineering, 2001, 190, 5515-5528.	3.4	156
21	Optimization of structures with uncertain constraints based on convex model and satisfaction degree of interval. Computer Methods in Applied Mechanics and Engineering, 2007, 196, 4791-4800.	3.4	150
22	A face-based smoothed finite element method (FS-FEM) for visco-elastoplastic analyses of 3D solids using tetrahedral mesh. Computer Methods in Applied Mechanics and Engineering, 2009, 198, 3479-3498.	3.4	132
23	An edge-based smoothed finite element method (ES-FEM) for analyzing three-dimensional acoustic problems. Computer Methods in Applied Mechanics and Engineering, 2009, 199, 20-33.	3.4	128
24	A MESH-FREE METHOD FOR STATIC AND FREE VIBRATION ANALYSES OF THIN PLATES OF COMPLICATED SHAPE. Journal of Sound and Vibration, 2001, 241, 839-855.	2.1	127
25	Numerical analysis of Biot's consolidation process by radial point interpolation method. International Journal of Solids and Structures, 2002, 39, 1557-1573.	1.3	127
26	A mesh-free method for static and free vibration analysis of shear deformable laminated composite plates. Journal of Sound and Vibration, 2004, 269, 633-652.	2.1	120
27	Static and free vibration analysis of laminated composite plates using the conforming radial point interpolation method. Composites Science and Technology, 2008, 68, 354-366.	3.8	119
28	Transient waves in a functionally graded cylinder. International Journal of Solids and Structures, 2001, 38, 3021-3037.	1.3	118
29	An adaptive procedure based on background cells for meshless methods. Computer Methods in Applied Mechanics and Engineering, 2002, 191, 1923-1943.	3.4	118
30	Analysis of disc brake squeal using the complex eigenvalue method. Applied Acoustics, 2007, 68, 603-615.	1.7	118
31	Point interpolation method based on local residual formulation using radial basis functions. Structural Engineering and Mechanics, 2002, 14, 713-732.	1.0	116
32	A local point interpolation method for stress analysis of two-dimensional solids. Structural Engineering and Mechanics, 2001, 11, 221-236.	1.0	113
33	ACTIVE VIBRATION CONTROL OF COMPOSITE BEAMS WITH PIEZOELECTRICS: A FINITE ELEMENT MODEL WITH THIRD ORDER THEORY. Journal of Sound and Vibration, 1998, 209, 635-650.	2.1	110
34	An element free Galerkin method for the free vibration analysis of composite laminates of complicated shape. Composite Structures, 2003, 59, 279-289.	3.1	107
35	Coupled vibration analysis of fluid-filled cylindrical shells using the wave propagation approach. Applied Acoustics, 2001, 62, 229-243.	1.7	106
36	Thermomechanical analysis of functionally graded material (FGM) plates using element-free Galerkin method. Computers and Structures, 2005, 83, 1487-1502.	2.4	106

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37	VIBRATION CONTROL SIMULATION OF LAMINATED COMPOSITE PLATES WITH INTEGRATED PIEZOELECTRICS. Journal of Sound and Vibration, 1999, 220, 827-846.	2.1	104
38	A QUADRATIC LAYER ELEMENT FOR ANALYZING STRESS WAVES IN FGMS AND ITS APPLICATION IN MATERIAL CHARACTERIZATION. Journal of Sound and Vibration, 2000, 236, 307-321.	2.1	103
39	A nodal integration technique for meshfree radial point interpolation method (NI-RPIM). International Journal of Solids and Structures, 2007, 44, 3840-3860.	1.3	102
40	A step-by-step method of rule-of-mixture of fiber- and particle-reinforced composite materials. Composite Structures, 1997, 40, 313-322.	3.1	101
41	Effect of small length scale on elastic buckling of multi-walled carbon nanotubes under radial pressure. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 349, 370-376.	0.9	101
42	Stress waves in functionally gradient materials and its use for material characterization. Composites Part B: Engineering, 1999, 30, 383-394.	5.9	100
43	DESIGN OPTIMIZATION OF MARINE ENGINE-MOUNT SYSTEM. Journal of Sound and Vibration, 2000, 235, 477-494.	2.1	100
44	Minimizing vibration response of cylindrical shells through layout optimization of passive constrained layer damping treatments. Journal of Sound and Vibration, 2005, 279, 739-756.	2.1	99
45	Free vibration analysis of circular plates using generalized differential quadrature rule. Computer Methods in Applied Mechanics and Engineering, 2002, 191, 5365-5380.	3.4	96
46	Investigations into water mitigation using a meshless particle method. Shock Waves, 2002, 12, 181-195.	1.0	88
47	Boundary meshfree methods based on the boundary point interpolation methods. Engineering Analysis With Boundary Elements, 2004, 28, 475-487.	2.0	85
48	Hybrid smoothed finite element method for acoustic problems. Computer Methods in Applied Mechanics and Engineering, 2015, 283, 664-688.	3.4	85
49	A boundary radial point interpolation method (BRPIM) for 2-D structural analyses. Structural Engineering and Mechanics, 2003, 15, 535-550.	1.0	83
50	Finite element analysis of four thread-form configurations in a stepped screw implant. Journal of Oral Rehabilitation, 2004, 31, 233-239.	1.3	82
51	Material characterization of functionally graded material by means of elastic waves and a progressive-learning neural network. Composites Science and Technology, 2001, 61, 1401-1411.	3.8	80
52	A non-reflecting boundary for analyzing wave propagation using the finite element method. Finite Elements in Analysis and Design, 2003, 39, 403-417.	1.7	78
53	Free vibration analysis of circular plates with variable thickness by the generalized differential quadrature rule. International Journal of Solids and Structures, 2001, 38, 7967-7980.	1.3	77
54	An ES-FEM for accurate analysis of 3D mid-frequency acoustics using tetrahedron mesh. Computers and Structures, 2012, 106-107, 125-134.	2.4	77

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55	A coupled element free Galerkin/boundary element method for stress analysis of two-dimensional solids. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2001, 190, 4405-4419.	3.4	76
56	A node-based smoothed point interpolation method (NS-PIM) for three-dimensional heat transfer problems. <i>International Journal of Thermal Sciences</i> , 2009, 48, 1367-1376.	2.6	75
57	A novel singular ES-FEM method for simulating singular stress fields near the crack tips for linear fracture problems. <i>Engineering Fracture Mechanics</i> , 2011, 78, 863-876.	2.0	74
58	A combined genetic algorithm and nonlinear least squares method for material characterization using elastic waves. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2002, 191, 1909-1921.	3.4	72
59	Effects of SH waves in a functionally graded plate. <i>Mechanics Research Communications</i> , 2002, 29, 327-338.	1.0	72
60	Dispersion of waves and characteristic wave surfaces in functionally graded piezoelectric plates. <i>Journal of Sound and Vibration</i> , 2003, 268, 131-147.	2.1	71
61	Analytical solutions for the dynamic analysis of a valveless micropump "a fluid"membrane coupling study. <i>Sensors and Actuators A: Physical</i> , 2001, 93, 173-181.	2.0	69
62	A stabilized least-squares radial point collocation method (LS-RPCM) for adaptive analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006, 195, 4843-4861.	3.4	68
63	Element free method for static and free vibration analysis of spatial thin shell structures. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2002, 191, 5923-5942.	3.4	67
64	A smoothed particle hydrodynamics (SPH) model for simulating surface erosion by impacts of foreign particles. <i>Tribology International</i> , 2016, 95, 267-278.	3.0	67
65	A point interpolation method for simulating dissipation process of consolidation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2001, 190, 5907-5922.	3.4	66
66	An edge-based smoothed point interpolation method (ES-PIM) for heat transfer analysis of rapid manufacturing system. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 1938-1950.	2.5	65
67	THE GENERALIZED DIFFERENTIAL QUADRATURE RULE FOR INITIAL-VALUE DIFFERENTIAL EQUATIONS. <i>Journal of Sound and Vibration</i> , 2000, 233, 195-213.	2.1	64
68	A coupled ES-FEM/BEM method for fluid"structure interaction problems. <i>Engineering Analysis With Boundary Elements</i> , 2011, 35, 140-147.	2.0	64
69	Generalized stochastic cell-based smoothed finite element method (GS_CS-FEM) for solid mechanics. <i>Finite Elements in Analysis and Design</i> , 2013, 63, 51-61.	1.7	64
70	A mass-redistributed finite element method (MR-FEM) for acoustic problems using triangular mesh. <i>Journal of Computational Physics</i> , 2016, 323, 149-170.	1.9	63
71	A cell-based smoothed radial point interpolation method (CS-RPIM) for static and free vibration of solids. <i>Engineering Analysis With Boundary Elements</i> , 2010, 34, 144-157.	2.0	60
72	A novel singular ES-FEM for crack growth simulation. <i>Engineering Fracture Mechanics</i> , 2012, 84, 41-66.	2.0	60

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73	A comprehensive study on the parameters setting in smoothed particle hydrodynamics (SPH) method applied to hydrodynamics problems. <i>Computers and Geotechnics</i> , 2017, 92, 77-95.	2.3	58
74	The singular edge-based smoothed finite element method for stationary dynamic crack problems in 2D elastic solids. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2012, 233-236, 68-80.	3.4	57
75	Differential quadrature solutions of eighth-order boundary-value differential equations. <i>Journal of Computational and Applied Mathematics</i> , 2002, 145, 223-235.	1.1	56
76	An inverse procedure for identification of loads on composite laminates. <i>Composites Part B: Engineering</i> , 2002, 33, 425-432.	5.9	55
77	Radial point interpolation collocation method (RPICM) for partial differential equations. <i>Computers and Mathematics With Applications</i> , 2005, 50, 1425-1442.	1.4	55
78	Analysis of coupled structural-acoustic problems based on the smoothed finite element method (S-FEM). <i>Engineering Analysis With Boundary Elements</i> , 2014, 42, 84-91.	2.0	55
79	An inverse procedure for determination of material constants of composite laminates using elastic waves. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2002, 191, 3543-3554.	3.4	54
80	Analysis of elastic-plastic problems using edge-based smoothed finite element method. <i>International Journal of Pressure Vessels and Piping</i> , 2009, 86, 711-718.	1.2	54
81	Flaw detection in sandwich plates based on time-harmonic response using genetic algorithm. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2001, 190, 5505-5514.	3.4	53
82	An edge-based smoothed finite element method softened with a bubble function (bES-FEM) for solid mechanics problems. <i>Computers and Structures</i> , 2013, 128, 14-30.	2.4	53
83	A node-based smoothed point interpolation method (NS-PIM) for thermoelastic problems with solution bounds. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 1464-1471.	2.5	52
84	An efficient algorithm to analyze wave propagation in fluid/solid and solid/fluid phononic crystals. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 333, 421-442.	3.4	52
85	VIBRATION ANALYSIS OF BEAMS USING THE GENERALIZED DIFFERENTIAL QUADRATURE RULE AND DOMAIN DECOMPOSITION. <i>Journal of Sound and Vibration</i> , 2001, 246, 461-481.	2.1	51
86	A computational inverse technique for material characterization of a functionally graded cylinder using a progressive neural network. <i>Neurocomputing</i> , 2003, 51, 341-360.	3.5	51
87	Coupled analysis of 3D structural-acoustic problems using the edge-based smoothed finite element method/finite element method. <i>Finite Elements in Analysis and Design</i> , 2010, 46, 1114-1121.	1.7	51
88	Smoothed particle hydrodynamics modeling of linear shaped charge with jet formation and penetration effects. <i>Computers and Fluids</i> , 2013, 86, 77-85.	1.3	51
89	A point assembly method for stress analysis for two-dimensional solids. <i>International Journal of Solids and Structures</i> , 2002, 39, 261-276.	1.3	50
90	A novel Galerkin-like weakform and a superconvergent alpha finite element method ($S\alpha$ -FEM) for mechanics problems using triangular meshes. <i>Journal of Computational Physics</i> , 2009, 228, 4055-4087.	1.9	50

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91	A singular edge-based smoothed finite element method (ES-FEM) for crack analyses in anisotropic media. <i>Engineering Fracture Mechanics</i> , 2011, 78, 85-109.	2.0	50
92	Adaptive multilayer perceptron networks for detection of cracks in anisotropic laminated plates. <i>International Journal of Solids and Structures</i> , 2001, 38, 5625-5645.	1.3	49
93	A coupled edge-/face-based smoothed finite element method for structural acoustic problems. <i>Applied Acoustics</i> , 2010, 71, 955-964.	1.7	49
94	An edge-based finite element method (ES-FEM) with adaptive scaled-bubble functions for plane strain limit analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015, 285, 877-905.	3.4	48
95	A singular cell-based smoothed radial point interpolation method for fracture problems. <i>Computers and Structures</i> , 2011, 89, 1378-1396.	2.4	47
96	A cell-based smoothed finite element method using three-node shear-locking free Mindlin plate element (CS-FEM-MIN3) for dynamic response of laminated composite plates on viscoelastic foundation. <i>Engineering Analysis With Boundary Elements</i> , 2014, 42, 8-19.	2.0	47
97	A novel node-based smoothed radial point interpolation method for 2D and 3D solid mechanics problems. <i>Computers and Structures</i> , 2018, 196, 157-172.	2.4	47
98	An edge-based/node-based selective smoothed finite element method using tetrahedrons for cardiovascular tissues. <i>Engineering Analysis With Boundary Elements</i> , 2015, 59, 62-77.	2.0	46
99	An optimization procedure for truss structures with discrete design variables and dynamic constraints. <i>Computers and Structures</i> , 2001, 79, 155-162.	2.4	45
100	TRANSIENT RESPONSES IN A FUNCTIONALLY GRADED CYLINDRICAL SHELL TO A POINT LOAD. <i>Journal of Sound and Vibration</i> , 2002, 251, 783-805.	2.1	43
101	Inverse identification of thermal parameters using reduced-basis method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2005, 194, 3090-3107.	3.4	43
102	A matrix triangularization algorithm for the polynomial point interpolation method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2003, 192, 2269-2295.	3.4	42
103	Hybrid boundary point interpolation methods and their coupling with the element free Galerkin method. <i>Engineering Analysis With Boundary Elements</i> , 2003, 27, 905-917.	2.0	42
104	A three-dimensional ES-FEM for fracture mechanics problems in elastic solids. <i>Engineering Fracture Mechanics</i> , 2013, 114, 127-150.	2.0	42
105	Numerical homogenization for incompressible materials using selective smoothed finite element method. <i>Composite Structures</i> , 2015, 123, 216-232.	3.1	42
106	NUMERICAL SOLUTION FOR DIFFERENTIAL EQUATIONS OF DUFFING-TYPE NON-LINEARITY USING THE GENERALIZED DIFFERENTIAL QUADRATURE RULE. <i>Journal of Sound and Vibration</i> , 2000, 237, 805-817.	2.1	41
107	In-plane vibration analyses of circular arches by the generalized differential quadrature rule. <i>International Journal of Mechanical Sciences</i> , 2001, 43, 2597-2611.	3.6	41
108	A NOVEL TECHNIQUE FOR INVERSE IDENTIFICATION OF DISTRIBUTED STIFFNESS FACTOR IN STRUCTURES. <i>Journal of Sound and Vibration</i> , 2002, 254, 823-835.	2.1	41

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109	Smoothed finite element method with exact solutions in heat transfer problems. International Journal of Heat and Mass Transfer, 2014, 78, 1219-1231.	2.5	41
110	An adaptive selective ES-FEM for plastic collapse analysis. European Journal of Mechanics, A/Solids, 2016, 58, 278-290.	2.1	40
111	A smoothing technique based beta finite element method (\hat{I}^2 FEM) for crystal plasticity modeling. Computers and Structures, 2016, 162, 48-67.	2.4	40
112	Computational analysis of binding free energies between peptides and single-walled carbon nanotubes. Physica A: Statistical Mechanics and Its Applications, 2006, 367, 293-304.	1.2	38
113	Bending and vibration responses of laminated composite plates using an edge-based smoothing technique. Engineering Analysis With Boundary Elements, 2011, 35, 818-826.	2.0	38
114	An effective fracture analysis method based on the virtual crack closure-integral technique implemented in CS-FEM. Applied Mathematical Modelling, 2016, 40, 3783-3800.	2.2	38
115	DETERMINATION OF ELASTIC CONSTANTS OF ANISOTROPIC LAMINATED PLATES USING ELASTIC WAVES AND A PROGRESSIVE NEURAL NETWORK. Journal of Sound and Vibration, 2002, 252, 239-259.	2.1	36
116	A three-dimensional adaptive analysis using the meshfree node-based smoothed point interpolation method (NS-PIM). Engineering Analysis With Boundary Elements, 2011, 35, 1123-1135.	2.0	36
117	Coupling GSM/ALE with ES-FEM-T3 for fluid-deformable structure interactions. Journal of Computational Physics, 2014, 276, 315-340.	1.9	36
118	A least-square radial point collocation method for adaptive analysis in linear elasticity. Engineering Analysis With Boundary Elements, 2008, 32, 440-460.	2.0	35
119	A sharp-interface immersed smoothed finite element method for interactions between incompressible flows and large deformation solids. Computer Methods in Applied Mechanics and Engineering, 2018, 340, 24-53.	3.4	35
120	An integration technique for evaluating confluent hypergeometric functions and its application to functionally graded materials. Computers and Structures, 2001, 79, 1039-1047.	2.4	34
121	Multipoint boundary value problems by differential quadrature method. Mathematical and Computer Modelling, 2002, 35, 215-227.	2.0	34
122	A background decomposition method for domain integration in weak-form meshfree methods. Computers and Structures, 2014, 142, 64-78.	2.4	34
123	Total solution for structural mechanics problems. Computer Methods in Applied Mechanics and Engineering, 2001, 191, 989-1012.	3.4	33
124	Investigation of buckling of double-walled carbon nanotubes embedded in an elastic medium using the energy method. International Journal of Mechanical Sciences, 2006, 48, 53-61.	3.6	33
125	Simulation of steady and unsteady incompressible flow using gradient smoothing method (GSM). Computers and Structures, 2012, 90-91, 131-144.	2.4	33
126	A cell-based smoothed point interpolation method for flow-deformation analysis of saturated porous media. Computers and Geotechnics, 2016, 75, 159-173.	2.3	33

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127	A novel node-based smoothed finite element method with linear strain fields for static, free and forced vibration analyses of solids. <i>Applied Mathematics and Computation</i> , 2019, 352, 30-58.	1.4	33
128	Effects of afterbody shape on flow around prismatic cylinders. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2000, 84, 181-196.	1.7	32
129	Neural identification of rock parameters using fuzzy adaptive learning parameters. <i>Computers and Structures</i> , 2003, 81, 2373-2382.	2.4	32
130	The optimization of the variable binder force in U-shaped forming with uncertain friction coefficient. <i>Journal of Materials Processing Technology</i> , 2007, 182, 262-267.	3.1	32
131	Smoothing technique based crystal plasticity finite element modeling of crystalline materials. <i>International Journal of Plasticity</i> , 2015, 65, 250-268.	4.1	32
132	A strip element method for the transient analysis of symmetric laminated plates. <i>International Journal of Solids and Structures</i> , 2001, 38, 241-259.	1.3	31
133	Inelastic analysis of 2D solids using a weak-form RPIM based on deformation theory. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006, 195, 4179-4193.	3.4	31
134	An efficient algorithm for phase change problem in tumor treatment using $\hat{\pm}$ FEM. <i>International Journal of Thermal Sciences</i> , 2010, 49, 1954-1967.	2.6	31
135	A technique for analyzing elastodynamic responses of anisotropic laminated plates to line loads. <i>Composites Part B: Engineering</i> , 1997, 28, 667-677.	5.9	30
136	An arbitrary Lagrangian-Eulerian gradient smoothing method (GSM/ALE) for interaction of fluid and a moving rigid body. <i>Computers and Fluids</i> , 2013, 71, 327-347.	1.3	30
137	Locating and sizing of delamination in composite laminates using computational and experimental methods. <i>Composites Part B: Engineering</i> , 2001, 32, 287-298.	5.9	29
138	A gradient smoothing method (GSM) based on strong form governing equation for adaptive analysis of solid mechanics problems. <i>Finite Elements in Analysis and Design</i> , 2008, 44, 889-909.	1.7	29
139	Rapid identification of elastic modulus of the interface tissue on dental implants surfaces using reduced-basis method and a neural network. <i>Journal of Biomechanics</i> , 2009, 42, 634-641.	0.9	28
140	An adaptive NS/ES-FEM approach for 2D contact problems using triangular elements. <i>Finite Elements in Analysis and Design</i> , 2011, 47, 256-275.	1.7	28
141	Simulation of thermoelastic crack problems using singular edge-based smoothed finite element method. <i>International Journal of Mechanical Sciences</i> , 2016, 115-116, 123-134.	3.6	28
142	Characterization of a horizontal crack in anisotropic laminated plates. <i>International Journal of Solids and Structures</i> , 1994, 31, 2965-2977.	1.3	27
143	Vibration analysis of a beam with PCLD Patch. <i>Applied Acoustics</i> , 2004, 65, 1057-1076.	1.7	27
144	An efficient adaptive analysis procedure for certified solutions with exact bounds of strain energy for elasticity problems. <i>Finite Elements in Analysis and Design</i> , 2008, 44, 831-841.	1.7	27

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145	A singular ES-FEM for plastic fracture mechanics. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 2943-2955.	3.4	27
146	Numerical simulation of flow past a rotationally oscillating cylinder. Computers and Fluids, 2001, 30, 365-392.	1.3	26
147	On stability, convergence and accuracy of bES-FEM and bFS-FEM for nearly incompressible elasticity. Computer Methods in Applied Mechanics and Engineering, 2015, 285, 315-345.	3.4	26
148	A novel hybrid ES-FE-SEA for mid-frequency prediction of Transmission losses in complex acoustic systems. Applied Acoustics, 2016, 111, 198-204.	1.7	25
149	Application of the generalized differential quadrature rule to initial-boundary-value problems. Journal of Sound and Vibration, 2003, 264, 883-891.	2.1	24
150	Solution bound and nearly exact solution to nonlinear solid mechanics problems based on the smoothed FEM concept. Engineering Analysis With Boundary Elements, 2014, 42, 99-114.	2.0	24
151	Acoustic simulation using $\hat{\pm}$ -FEM with a general approach for reducing dispersion error. Engineering Analysis With Boundary Elements, 2015, 61, 241-253.	2.0	24
152	An element-free smoothed radial point interpolation method (EFS-RPIM) for 2D and 3D solid mechanics problems. Computers and Mathematics With Applications, 2019, 77, 441-465.	1.4	24
153	Approaches for improving airflow uniformity in unidirectional flow cleanrooms. Building and Environment, 1998, 34, 275-284.	3.0	23
154	Axisymmetric bending solution of shells of revolution by the generalized differential quadrature rule. International Journal of Pressure Vessels and Piping, 2000, 77, 149-157.	1.2	23
155	A TRANSFER MATRIX APPROACH FOR ACOUSTIC ANALYSIS OF A MULTILAYERED ACTIVE ACOUSTIC COATING. Journal of Sound and Vibration, 2001, 248, 71-89.	2.1	23
156	A novel reduced-basis method with upper and lower bounds for real-time computation of linear elasticity problems. Computer Methods in Applied Mechanics and Engineering, 2008, 198, 269-279.	3.4	23
157	A residual based error estimator using radial basis functions. Finite Elements in Analysis and Design, 2008, 44, 631-645.	1.7	23
158	A generalized probabilistic edge-based smoothed finite element method for elastostatic analysis of Reissner-Mindlin plates. Applied Mathematical Modelling, 2018, 53, 333-352.	2.2	23
159	Modeling of orthogonal cutting process of A2024-T351 with an improved SPH method. International Journal of Advanced Manufacturing Technology, 2018, 95, 905-919.	1.5	23
160	A particle-based free surface detection method and its application to the surface tension effects simulation in smoothed particle hydrodynamics (SPH). Journal of Computational Physics, 2019, 383, 196-206.	1.9	23
161	Dynamic brittle crack propagation modeling using singular edge-based smoothed finite element method with local mesh rezoning. European Journal of Mechanics, A/Solids, 2019, 76, 208-223.	2.1	23
162	Detection of flaws in composites from scattered elastic-wave field using an improved $\hat{1/4}$ GA and a local optimizer. Computer Methods in Applied Mechanics and Engineering, 2002, 191, 3929-3946.	3.4	22

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163	Numerical investigation of ES-FEM with various mass re-distribution for acoustic problems. Applied Acoustics, 2015, 89, 222-233.	1.7	22
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