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List of Publications by Year
in descending order

284	15,061	17405	27345
papers	citations	63 h-index	106 g-index

292	292	292	5381
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A selective smoothed finite element method for 3D explicit dynamic analysis of the human annulus fibrosus with modified composite-based constitutive model. Engineering Analysis With Boundary Elements, 2022, 134, 49-65.	2.0	8
2	Modeling, simulation and analysis of groundwater flow captured by the horizontal reactive media well using the cell-based smoothed radial point interpolation method. Advances in Water Resources, 2022, 160, 104089.	1.7	0
3	On direct weight inverse approach for identifying composite parameters based on two-way TrumpetNets. Composite Structures, 2022, 286, 115251.	3.1	1
4	An n-sided polygonal selective smoothed finite element method for nearly incompressible visco-hyperelastic soft materials. Applied Mathematical Modelling, 2022, 107, 398-428.	2.2	15
5	Modes and modal analysis of three-dimensional (3D) structures based on the smoothed finite element methods (S-FEMs) using automatically generatable tetrahedral meshes. Engineering Analysis With Boundary Elements, 2022, 140, 262-281.	2.0	4
6	Real-time prediction of projectile penetration to laminates by training machine learning models with finite element solver as the trainer. Defence Technology, 2021, 17, 147-160.	2.1	11
7	Cell-based smoothed finite element method for modelling interfacial cracks with non-matching grids. Engineering Fracture Mechanics, 2021, 242, 107476.	2.0	9
8	SPH modeling for soil mechanics with application to landslides. , 2021, , 257-289.		1
9	A semi-implicit characteristic-based polynomial pressure projection for FEM to solve incompressible flows. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 1710-1731.	1.6	3
10	ELL for 3D FSI problems with thin flexible structures based on the continuum-based shell element. Journal of Fluids and Structures, 2021, 103, 103281.	1.5	4
11	A data-driven artificial neural network model for predicting wind load of buildings using GSM-CFD solver. European Journal of Mechanics, B/Fluids, 2021, 87, 24-36.	1.2	11
12	Bone remodeling analysis for a swine skull at continuous scale based on the smoothed finite element method. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 118, 104444.	1.5	1
13	A high order cell-based smoothed finite element method using triangular and quadrilateral elements. Engineering Analysis With Boundary Elements, 2021, 128, 133-148.	2.0	13
14	A smoothed finite element method for octree-based polyhedral meshes with large number of hanging nodes and irregular elements. Computer Methods in Applied Mechanics and Engineering, 2020, 359, 112646.	3.4	20
15	A wavelet multiresolution interpolation Galerkin method with effective treatments for discontinuity for crack growth analyses. Engineering Fracture Mechanics, 2020, 225, 106836.	2.0	6
16	An Eulerian-Lagrangian-Lagrangian method for solving fluid-structure interaction problems with bulk solids. Journal of Computational Physics, 2020, 405, 109164.	1.9	9
17	Material constituents and mechanical properties and macro-micro-failure modes of tight gas reservoirs. Energy Exploration and Exploitation, 2020, 38, 2631-2648.	1.1	4
18	A wavelet multi-resolution enabled interpolation Galerkin method for two-dimensional solids. Engineering Analysis With Boundary Elements, 2020, 117, 251-268.	2.0	10

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19	A modified immersed smoothed FEM with local field reconstruction for fluidâ€“structure interactions. Engineering Analysis With Boundary Elements, 2019, 107, 218-232.	2.0	12
20	Novel quadtree algorithm for adaptive analysis based on cell-based smoothed finite element method. Engineering Analysis With Boundary Elements, 2019, 106, 541-554.	2.0	15
21	The inverse methods based on S-FEMs with an adaptive SVD regularization technique for solving Cauchy inverse heat transfer problems. Engineering Analysis With Boundary Elements, 2019, 107, 79-95.	2.0	4
22	A local Lagrangian gradient smoothing method for fluids and fluid-like solids: A novel particle-like method. Engineering Analysis With Boundary Elements, 2019, 107, 96-114.	2.0	18
23	An edge-based smoothed finite element method for wave scattering by an obstacle in elastic media. Engineering Analysis With Boundary Elements, 2019, 101, 121-138.	2.0	8
24	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
25	Highly accurate smoothed finite element methods based on simplified eight-noded hexahedron elements. Engineering Analysis With Boundary Elements, 2019, 105, 165-177.	2.0	1
26	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
27	A novel node-based smoothed finite element method with linear strain fields for static, free and forced vibration analyses of solids. Applied Mathematics and Computation, 2019, 352, 30-58.	1.4	33
28	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
29	A smooth particle hydrodynamic model for two-dimensional numerical simulation of Tiâ€“6Alâ€“4V serrated chip deformation based on TANH constitutive law. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 3004-3017.	1.1	7
30	Analyses of fluid-solid coupling dynamics of elastic tubes vibrating in cross flows. European Journal of Mechanics, A/Solids, 2019, 73, 248-259.	2.1	3
31	An efficient algorithm to analyze wave propagation in fluid/solid and solid/fluid phononic crystals. Computer Methods in Applied Mechanics and Engineering, 2018, 333, 421-442.	3.4	52
32	A generalized probabilistic edge-based smoothed finite element method for elastostatic analysis of Reissnerâ€“Mindlin plates. Applied Mathematical Modelling, 2018, 53, 333-352.	2.2	23
33	A novel node-based smoothed radial point interpolation method for 2D and 3D solid mechanics problems. Computers and Structures, 2018, 196, 157-172.	2.4	47
34	On singular ES-FEM for fracture analysis of solids with singular stress fields of arbitrary order. Engineering Analysis With Boundary Elements, 2018, 86, 64-81.	2.0	15
35	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
36	Back-Spalling process of an Al2O3 ceramic plate subjected to an impact of steel ball. International Journal of Impact Engineering, 2018, 122, 451-471.	2.4	16

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37	An IB-LBM implementation for fluid-solid interactions with an MLS approximation for implicit coupling. Applied Mathematical Modelling, 2018, 62, 638-653.	2.2	12
38	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
39	A novel approach for application of smoothed point interpolation methods to axisymmetric problems in poroelasticity. Computers and Geotechnics, 2018, 102, 39-52.	2.3	7
40	Analysis of surface-erosion mechanism due to impacts of freely rotating angular particles using smoothed particle hydrodynamics erosion model. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2017, 231, 1537-1551.	1.0	4
41	Smoothed particle hydrodynamics (SPH) modeling of shot peening process. Journal of Computational Methods in Sciences and Engineering, 2017, 17, 799-825.	0.1	1
42	Smoothed finite element methods (S-FEMs) with polynomial pressure projection (P3) for incompressible solids. Engineering Analysis With Boundary Elements, 2017, 84, 253-269.	2.0	19
43	A comprehensive study on the parameters setting in smoothed particle hydrodynamics (SPH) method applied to hydrodynamics problems. Computers and Geotechnics, 2017, 92, 77-95.	2.3	58
44	A development of a GSM-CFD solver for non-Newtonian flows. Computers and Fluids, 2017, 142, 57-71.	1.3	7
45	An adaptive selective ES-FEM for plastic collapse analysis. European Journal of Mechanics, A/Solids, 2016, 58, 278-290.	2.1	40
46	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
47	Proofs of the stability and convergence of a weakened weak method using PIM shape functions. Computers and Mathematics With Applications, 2016, 72, 933-951.	1.4	14
48	A generalized beta finite element method with coupled smoothing techniques for solid mechanics. Engineering Analysis With Boundary Elements, 2016, 73, 103-119.	2.0	21
49	A mass-redistributed finite element method (MR-FEM) for acoustic problems using triangular mesh. Journal of Computational Physics, 2016, 323, 149-170.	1.9	63
50	Simulation of thermoelastic crack problems using singular edge-based smoothed finite element method. International Journal of Mechanical Sciences, 2016, 115-116, 123-134.	3.6	28
51	Automatic mesh generation for 3D smoothed finite element method (S-FEM) based on the weaken-weak formulation. Advances in Engineering Software, 2016, 99, 111-120.	1.8	18
52	Smoothed finite element method for analysis of multi-layered systems â€“ Applications in biomaterials. Computers and Structures, 2016, 168, 16-29.	2.4	19
53	A smoothed particle hydrodynamics (SPH) model for simulating surface erosion by impacts of foreign particles. Tribology International, 2016, 95, 267-278.	3.0	67
54	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

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55	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
56	A smoothing technique based beta finite element method (Î²FEM) for crystal plasticity modeling. Computers and Structures, 2016, 162, 48-67.	2.4	40
57	An edge-based/node-based selective smoothed finite element method using tetrahedrons for cardiovascular tissues. Engineering Analysis With Boundary Elements, 2015, 59, 62-77.	2.0	46
58	An edge-based finite element method (ES-FEM) with adaptive scaled-bubble functions for plane strain limit analysis. Computer Methods in Applied Mechanics and Engineering, 2015, 285, 877-905.	3.4	48
59	Acoustic simulation using Î±-FEM with a general approach for reducing dispersion error. Engineering Analysis With Boundary Elements, 2015, 61, 241-253.	2.0	24
60	Numerical homogenization for incompressible materials using selective smoothed finite element method. Composite Structures, 2015, 123, 216-232.	3.1	42
61	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
62	Numerical investigation of ES-FEM with various mass re-distribution for acoustic problems. Applied Acoustics, 2015, 89, 222-233.	1.7	22
63	Hybrid smoothed finite element method for acoustic problems. Computer Methods in Applied Mechanics and Engineering, 2015, 283, 664-688.	3.4	85
64	Smoothing technique based crystal plasticity finite element modeling of crystalline materials. International Journal of Plasticity, 2015, 65, 250-268.	4.1	32
65	An ultra-accurate hybrid smoothed finite element method for piezoelectric problem. Engineering Analysis With Boundary Elements, 2015, 50, 188-197.	2.0	20
66	Special Purpose Elements. , 2014, , 289-300.		0
67	A coupled ES-BEM and FM-BEM for structural acoustic problems. Noise Control Engineering Journal, 2014, 62, 196-209.	0.2	9
68	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
69	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. Engineering Analysis With Boundary Elements, 2014, 42, 8-19.	2.0	47
70	Reconstruction of dynamically changing boundary of multilayer heat conduction composite walls. Engineering Analysis With Boundary Elements, 2014, 42, 92-98.	2.0	7
71	A background decomposition method for domain integration in weak-form meshfree methods. Computers and Structures, 2014, 142, 64-78.	2.4	34
72	Inverse analysis of heat transfer across a multilayer composite wall with Cauchy boundary conditions. International Journal of Heat and Mass Transfer, 2014, 79, 727-735.	2.5	9

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73	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
74	Coupling GSM/ALE with ES-FEM-T3 for fluidâ€“deformable structure interactions. Journal of Computational Physics, 2014, 276, 315-340.	1.9	36
75	Analysis of coupled structural-acoustic problems based on the smoothed finite element method (S-FEM). Engineering Analysis With Boundary Elements, 2014, 42, 84-91.	2.0	55
76	An arbitrary Lagrangianâ€“Eulerian gradient smoothing method (GSM/ALE) for interaction of fluid and a moving rigid body. Computers and Fluids, 2013, 71, 327-347.	1.3	30
77	A contact analysis approach based on linear complementarity formulation using smoothed finite element methods. Engineering Analysis With Boundary Elements, 2013, 37, 1244-1258.	2.0	17
78	An edge-based smoothed finite element method softened with a bubble function (bES-FEM) for solid mechanics problems. Computers and Structures, 2013, 128, 14-30.	2.4	53
79	Smoothed particle hydrodynamics modeling of linear shaped charge with jet formation and penetration effects. Computers and Fluids, 2013, 86, 77-85.	1.3	51
80	Generalized stochastic cell-based smoothed finite element method (GS_CS-FEM) for solid mechanics. Finite Elements in Analysis and Design, 2013, 63, 51-61.	1.7	64
81	A three-dimensional ES-FEM for fracture mechanics problems in elastic solids. Engineering Fracture Mechanics, 2013, 114, 127-150.	2.0	42
82	An adaptive singular ES-FEM for mechanics problems with singular field of arbitrary order. Computer Methods in Applied Mechanics and Engineering, 2013, 253, 252-273.	3.4	178
83	Rapid identification of material properties of the interface tissue in dental implant systems using reduced basis method. Inverse Problems in Science and Engineering, 2013, 21, 1310-1334.	1.2	21
84	A strain-constructed point interpolation method and strain field construction schemes for solid mechanics problems using triangular mesh. Applied Mathematics and Computation, 2012, 219, 2067-2086.	1.4	12
85	A stabilized finite element method for certified solution with bounds in static and frequency analyses of piezoelectric structures. Computer Methods in Applied Mechanics and Engineering, 2012, 241-244, 65-81.	3.4	15
86	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
87	Fatigue analysis using the singular ES-FEM. International Journal of Fatigue, 2012, 40, 105-111.	2.8	5
88	Extended finite element method with edge-based strain smoothing (ESm-XFEM) for linear elastic crack growth. Computer Methods in Applied Mechanics and Engineering, 2012, 209-212, 250-265.	3.4	193
89	The singular edge-based smoothed finite element method for stationary dynamic crack problems in 2D elastic solids. Computer Methods in Applied Mechanics and Engineering, 2012, 233-236, 68-80.	3.4	57
90	Simulation of steady and unsteady incompressible flow using gradient smoothing method (GSM). Computers and Structures, 2012, 90-91, 131-144.	2.4	33

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91	An improved SPH method for modeling liquid sloshing dynamics. Computers and Structures, 2012, 100-101, 18-26.	2.4	199
92	Numerical modeling and simulation of pulsatile blood flow in rigid vessel using gradient smoothing method. Engineering Analysis With Boundary Elements, 2012, 36, 322-334.	2.0	14
93	An efficient adaptive analysis procedure using the edge-based smoothed point interpolation method (ES-PIM) for 2D and 3D problems. Engineering Analysis With Boundary Elements, 2012, 36, 1424-1443.	2.0	20
94	A novel singular ES-FEM for crack growth simulation. Engineering Fracture Mechanics, 2012, 84, 41-66.	2.0	60
95	Weakened weakform (W2) methods for certified solutions, adaptive analysis, real-time computation, and inverse analysis of engineering mechanics problems. , 2011, , .		0
96	A singular ES-FEM for plastic fracture mechanics. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 2943-2955.	3.4	27
97	A novel linearly-weighted gradient smoothing method (LWGSM) in the simulation of fluid dynamics problem. Computers and Fluids, 2011, 50, 104-119.	1.3	15
98	A computational and experimental investigation of three-dimensional micro-wedge indentation-induced interfacial delamination in a soft-film-on-hard-substrate system. Engineering Structures, 2011, 33, 3269-3278.	2.6	6
99	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
100	An adaptive NS/ES-FEM approach for 2D contact problems using triangular elements. Finite Elements in Analysis and Design, 2011, 47, 256-275.	1.7	28
101	Nonlinear 3D numerical computations for the square membrane versus experimental data. Engineering Structures, 2011, 33, 1828-1837.	2.6	9
102	A singular cell-based smoothed radial point interpolation method for fracture problems. Computers and Structures, 2011, 89, 1378-1396.	2.4	47
103	A coupled ES-FEM/BEM method for fluidâ€“structure interaction problems. Engineering Analysis With Boundary Elements, 2011, 35, 140-147.	2.0	64
104	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
105	A novel variable power singular element in G space with strain smoothing for bi-material fracture analyses. Engineering Analysis With Boundary Elements, 2011, 35, 1303-1317.	2.0	16
106	A novel singular ES-FEM method for simulating singular stress fields near the crack tips for linear fracture problems. Engineering Fracture Mechanics, 2011, 78, 863-876.	2.0	74
107	A singular edge-based smoothed finite element method (ES-FEM) for crack analyses in anisotropic media. Engineering Fracture Mechanics, 2011, 78, 85-109.	2.0	50
108	Accurate Bending Strength Analysis of the Asymmetric Gear using the Novel ES-PIM with Triangular Mesh. International Journal of Automotive and Mechanical Engineering, 2011, 4, 373-396.	0.5	1

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109	Coupled analysis of 3D structuralâ€“acoustic problems using the edge-based smoothed finite element method/finite element method. Finite Elements in Analysis and Design, 2010, 46, 1114-1121.	1.7	51
110	A coupled edge-/face-based smoothed finite element method for structuralâ€“acoustic problems. Applied Acoustics, 2010, 71, 955-964.	1.7	49
111	An edge-based smoothed finite element method (ES-FEM) with stabilized discrete shear gap technique for analysis of Reissnerâ€“Mindlin plates. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 471-489.	3.4	187
112	Identifiable range of osseointegration of dental implants through resonance frequency analysis. Medical Engineering and Physics, 2010, 32, 1094-1106.	0.8	18
113	An edge-based smoothed point interpolation method (ES-PIM) for heat transfer analysis of rapid manufacturing system. International Journal of Heat and Mass Transfer, 2010, 53, 1938-1950.	2.5	65
114	A cell-based smoothed radial point interpolation method (CS-RPIM) for static and free vibration of solids. Engineering Analysis With Boundary Elements, 2010, 34, 144-157.	2.0	60
115	A point interpolation method with locally smoothed strain field (PIM-LS2) for mechanics problems using triangular mesh. Finite Elements in Analysis and Design, 2010, 46, 862-874.	1.7	10
116	An efficient algorithm for phase change problem in tumor treatment using Î±FEM. International Journal of Thermal Sciences, 2010, 49, 1954-1967.	2.6	31
117	Finite element simulation and experimental determination of interfacial adhesion properties by wedge indentation. Philosophical Magazine, 2009, 89, 1395-1413.	0.7	10
118	Free-vibration analysis of shells via a linearly conforming radial point interpolation method (LC-RPIM). Finite Elements in Analysis and Design, 2009, 45, 917-924.	1.7	15
119	A node-based smoothed point interpolation method (NS-PIM) for three-dimensional heat transfer problems. International Journal of Thermal Sciences, 2009, 48, 1367-1376.	2.6	75
120	Rapid identification of elastic modulus of the interface tissue on dental implants surfaces using reduced-basis method and a neural network. Journal of Biomechanics, 2009, 42, 634-641.	0.9	28
121	Analysis of elasticâ€“plastic problems using edge-based smoothed finite element method. International Journal of Pressure Vessels and Piping, 2009, 86, 711-718.	1.2	54
122	A node-based smoothed point interpolation method (NS-PIM) for thermoelastic problems with solution bounds. International Journal of Heat and Mass Transfer, 2009, 52, 1464-1471.	2.5	52
123	A novel Galerkin-like weakform and a superconvergent alpha finite element method (SÎ±FEM) for mechanics problems using triangular meshes. Journal of Computational Physics, 2009, 228, 4055-4087.	1.9	50
124	An edge-based smoothed finite element method (ES-FEM) for static, free and forced vibration analyses of solids. Journal of Sound and Vibration, 2009, 320, 1100-1130.	2.1	596
125	A point interpolation method with least square strain field (PIM-LSS) for solution bounds and ultra-accurate solutions using triangular mesh. Computer Methods in Applied Mechanics and Engineering, 2009, 198, 1486-1499.	3.4	14
126	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

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127	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
128	A node-based smoothed finite element method (NS-FEM) for upper bound solutions to solid mechanics problems. Computers and Structures, 2009, 87, 14-26.	2.4	526
129	A G Space Theory with Discontinuous Functions for Weakened Weak (W2) Formulation of Numerical Methods. , 2009, , .		0
130	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
131	A nonlinear interval number programming method for uncertain optimization problems. European Journal of Operational Research, 2008, 188, 1-13.	3.5	318
132	A novel alpha finite element method (Î±FEM) for exact solution to mechanics problems using triangular and tetrahedral elements. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 3883-3897.	3.4	193
133	Rapid inverse parameter estimation using reduced-basis approximation with asymptotic error estimation. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 3898-3910.	3.4	20
134	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
135	A residual based error estimator using radial basis functions. Finite Elements in Analysis and Design, 2008, 44, 631-645.	1.7	23
136	A gradient smoothing method (GSM) based on strong form governing equation for adaptive analysis of solid mechanics problems. Finite Elements in Analysis and Design, 2008, 44, 889-909.	1.7	29
137	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
138	An efficient adaptive analysis procedure for certified solutions with exact bounds of strain energy for elasticity problems. Finite Elements in Analysis and Design, 2008, 44, 831-841.	1.7	27
139	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
140	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
141	Analysis of disc brake squeal using the complex eigenvalue method. Applied Acoustics, 2007, 68, 603-615.	1.7	118
142	Free and forced vibration analysis using the smoothed finite element method (SFEM). Journal of Sound and Vibration, 2007, 301, 803-820.	2.1	173
143	The optimization of the variable binder force in U-shaped forming with uncertain friction coefficient. Journal of Materials Processing Technology, 2007, 182, 262-267.	3.1	32
144	An n-sided polygonal smoothed finite element method (nSFEM) for solid mechanics. Finite Elements in Analysis and Design, 2007, 43, 847-860.	1.7	248

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145	AN ADAPTIVE MESHFREE COLLOCATION METHOD FOR STATIC AND DYNAMIC NONLINEAR PROBLEMS. , 2006, , 1459-1464.		4
146	STRESS ANALYSIS OF 3-D SOLIDS USING A MESHFREE RADIAL POINT INTERPOLATION METHOD. , 2006, , 1555-1559.		0
147	ATOMISTIC SIMULATION ON THE STIFFENING AND SOFTENING MECHANISM OF NANOWIRES. , 2006, , 1667-1672.		7
148	Inelastic analysis of 2D solids using a weak-form RPIM based on deformation theory. Computer Methods in Applied Mechanics and Engineering, 2006, 195, 4179-4193.	3.4	31
149	A stabilized least-squares radial point collocation method (LS-RPCM) for adaptive analysis. Computer Methods in Applied Mechanics and Engineering, 2006, 195, 4843-4861.	3.4	68
150	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
151	Relationships between the folding rate constant and the topological parameters of small two-state proteins based on general random walk model. Journal of Theoretical Biology, 2006, 241, 152-157.	0.8	6
152	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
153	Restoring particle consistency in smoothed particle hydrodynamics. Applied Numerical Mathematics, 2006, 56, 19-36.	1.2	308
154	An atomistic simulation method combining molecular dynamics with finite element technique. Chaos, Solitons and Fractals, 2006, 30, 791-796.	2.5	9
155	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
156	RADIAL POINT INTERPOLATION COLLOCATION METHOD (RPICM) USING UPWIND BIASED LOCAL SUPPORT SCHEME FOR SOLVING CONVECTION-DOMINATED EQUATIONS. , 2006, , 1541-1546.		1
157	CLASSIC TAYLOR-BAR IMPACT TEST REVISITED USING 3D SPH. , 2006, , 1405-1409.		1
158	GEOMETRICALLY NONLINEAR ANALYSIS USING MESHFREE RPIM. , 2006, , 1527-1531.		2
159	A local radial point interpolation method for dissipation process of excess pore water pressure. International Journal of Numerical Methods for Heat and Fluid Flow, 2005, 15, 567-587.	1.6	15
160	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
161	Quantifying the parameters of Prusiner's heterodimer model for prion replication. Physica A: Statistical Mechanics and Its Applications, 2005, 346, 459-474.	1.2	2
162	Thermodynamic analysis of protein sequence-structure relationships in monomer and dimer forms. Physica A: Statistical Mechanics and Its Applications, 2005, 354, 381-392.	1.2	19

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163	Simulation of surface evolution of quantum dot using meshfree approximation. Thin Solid Films, 2005, 479, 297-309.	0.8	3
164	Radial point interpolation collocation method (RPICM) for partial differential equations. Computers and Mathematics With Applications, 2005, 50, 1425-1442.	1.4	55
165	Inverse identification of thermal parameters using reduced-basis method. Computer Methods in Applied Mechanics and Engineering, 2005, 194, 3090-3107.	3.4	43
166	Thermomechanical analysis of functionally graded material (FGM) plates using element-free Galerkin method. Computers and Structures, 2005, 83, 1487-1502.	2.4	106
167	Modeling incompressible flows using a finite particle method. Applied Mathematical Modelling, 2005, 29, 1252-1270.	2.2	190
168	Protein designability analysis in sequence principal component space using 2D lattice model. Computer Methods and Programs in Biomedicine, 2004, 76, 21-29.	2.6	3
169	Dispersion and characteristic surfaces of waves in hybrid multilayered piezoelectric circular cylinders. Computational Mechanics, 2004, 33, 334-344.	2.2	14
170	Vibration analysis of a beam with PCLD Patch. Applied Acoustics, 2004, 65, 1057-1076.	1.7	27
171	Preface to: Mesh reduction techniquesâ€"Part I. Engineering Analysis With Boundary Elements, 2004, 28, 423-424.	2.0	2
172	Boundary meshfree methods based on the boundary point interpolation methods. Engineering Analysis With Boundary Elements, 2004, 28, 475-487.	2.0	85
173	Finite element analysis of four thread-form configurations in a stepped screw implant. Journal of Oral Rehabilitation, 2004, 31, 233-239.	1.3	82
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