

List of Publications by Year in descending order

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papers

1,040
citations

471371

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all docs

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docs citations

42
times ranked

638
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic analysis of sandwich beams with functionally graded core using a truly meshfree radial point interpolation method. <i>Engineering Structures</i> , 2013, 47, 90-104.	2.6	148
2	A simple FSDT-based meshfree method for analysis of functionally graded plates. <i>Engineering Analysis With Boundary Elements</i> , 2017, 79, 1-12.	2.0	87
3	Nonlinear transient heat conduction analysis of functionally graded materials in the presence of heat sources using an improved meshless radial point interpolation method. <i>Applied Mathematical Modelling</i> , 2011, 35, 4157-4174.	2.2	81
4	Accurate and efficient analysis of stationary and propagating crack problems by meshless methods. <i>Theoretical and Applied Fracture Mechanics</i> , 2017, 87, 21-34.	2.1	73
5	Three-dimensional thermo-elastoplastic analysis of thick functionally graded plates using the meshless local Petrov-Galerkin method. <i>Engineering Analysis With Boundary Elements</i> , 2016, 71, 34-49.	2.0	46
6	A new refined simple TSDT-based effective meshfree method for analysis of through-thickness FG plates. <i>Applied Mathematical Modelling</i> , 2018, 57, 514-534.	2.2	46
7	A domain decomposition method for the stable analysis of inverse nonlinear transient heat conduction problems. <i>International Journal of Heat and Mass Transfer</i> , 2013, 58, 125-134.	2.5	39
8	Torsion of functionally graded hollow tubes. <i>European Journal of Mechanics, A/Solids</i> , 2009, 28, 551-559.	2.1	38
9	Boundary element analysis of nonlinear transient heat conduction problems involving non-homogenous and nonlinear heat sources using time-dependent fundamental solutions. <i>Engineering Analysis With Boundary Elements</i> , 2010, 34, 655-665.	2.0	37
10	Efficient evaluation of weakly/strongly singular domain integrals in the BEM using a singular nodal integration method. <i>Engineering Analysis With Boundary Elements</i> , 2013, 37, 691-698.	2.0	37
11	A background decomposition method for domain integration in weak-form meshfree methods. <i>Computers and Structures</i> , 2014, 142, 64-78.	2.4	34
12	A novel inverse method for identification of 3D thermal conductivity coefficients of anisotropic media by the boundary element analysis. <i>International Journal of Heat and Mass Transfer</i> , 2015, 89, 685-693.	2.5	34
13	Boundary element analysis of uncoupled transient thermo-elastic problems with time- and space-dependent heat sources. <i>Applied Mathematics and Computation</i> , 2011, 218, 1862-1882.	1.4	31
14	A new stable inverse method for identification of the elastic constants of a three-dimensional generally anisotropic solid. <i>International Journal of Solids and Structures</i> , 2017, 106-107, 240-250.	1.3	28
15	A comparative study of two constitutive models within an inverse approach to determine the spatial stiffness distribution in soft materials. <i>International Journal of Mechanical Sciences</i> , 2018, 140, 446-454.	3.6	24
16	Meshfree radial point interpolation method for analysis of viscoplastic problems. <i>Engineering Analysis With Boundary Elements</i> , 2017, 82, 172-184.	2.0	23
17	Enhanced meshfree method with new correlation functions for functionally graded plates using a refined inverse sin shear deformation plate theory. <i>European Journal of Mechanics, A/Solids</i> , 2019, 74, 160-175.	2.1	23
18	A strong-form meshfree method for stress analysis of hyperelastic materials. <i>Engineering Analysis With Boundary Elements</i> , 2019, 109, 32-42.	2.0	17

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19	Load identification for a viscoelastic solid by an accurate meshfree sensitivity analysis. <i>Engineering Structures</i> , 2020, 203, 109895.	2.6	17
20	A parametric study of the MLPG method for thermo-mechanical solidification analysis. <i>Engineering Analysis With Boundary Elements</i> , 2018, 89, 10-24.	2.0	16
21	Load identification for viscoplastic materials with some unknown material parameters. <i>International Journal of Mechanical Sciences</i> , 2019, 153-154, 164-177.	3.6	15
22	A robust meshfree method for analysis of cohesive crack propagation problems. <i>Theoretical and Applied Fracture Mechanics</i> , 2019, 104, 102328.	2.1	14
23	Simultaneous control of solidus and liquidus lines in alloy solidification. <i>Engineering Analysis With Boundary Elements</i> , 2013, 37, 211-224.	2.0	12
24	A meshfree method with dynamic node reconfiguration for analysis of thermo-elastic problems with moving concentrated heat sources. <i>Applied Mathematical Modelling</i> , 2020, 79, 624-638.	2.2	11
25	Torsion of moderately thick hollow tubes with polygonal shapes. <i>Mechanics Research Communications</i> , 2007, 34, 528-537.	1.0	10
26	An improved time domain meshfree method for analysis of quasi-static and dynamic inhomogeneous viscoelastic problems. <i>Engineering Analysis With Boundary Elements</i> , 2019, 106, 59-67.	2.0	10
27	A practical meshfree inverse method for identification of thermo-mechanical fracture load of a body by examining the crack path in the body. <i>Engineering Analysis With Boundary Elements</i> , 2021, 133, 236-247.	2.0	10
28	An efficient load identification for viscoplastic materials by an inverse meshfree analysis. <i>International Journal of Mechanical Sciences</i> , 2018, 136, 303-312.	3.6	9
29	An inverse meshfree method for heat flux identification based on strain measurement. <i>International Journal of Thermal Sciences</i> , 2019, 144, 50-66.	2.6	9
30	Two-dimensional elastodynamic and free vibration analysis by the method of fundamental solutions. <i>Engineering Analysis With Boundary Elements</i> , 2020, 117, 188-201.	2.0	9
31	Three-dimensional analysis of heat conduction in anisotropic composites with thin adhesive/interstitial media by the boundary element method. <i>Engineering Analysis With Boundary Elements</i> , 2021, 123, 36-47.	2.0	8
32	Inverse determination of elastic constants of a hyper-elastic member with inclusions using simple displacement/length measurements. <i>Journal of Strain Analysis for Engineering Design</i> , 2018, 53, 529-542.	1.0	7
33	The method of fundamental solutions for anisotropic thermoelastic problems. <i>Applied Mathematical Modelling</i> , 2021, 95, 200-218.	2.2	7
34	Analysis of transient uncoupled thermoelastic problems involving moving point heat sources using the method of fundamental solutions. <i>Engineering Analysis With Boundary Elements</i> , 2021, 123, 122-132.	2.0	6
35	An efficient boundary-type meshfree method for analysis of two-dimensional laser heating problems. <i>Engineering Analysis With Boundary Elements</i> , 2021, 132, 460-468.	2.0	6
36	Determination of optimum cooling conditions for continuous casting by a meshless method. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2013, 227, 1022-1035.	1.1	5

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37	Material tailoring in functionally graded rods under torsion. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 3283-3295.	1.1	3
38	A modification of the method of fundamental solutions for solving 2D problems with concave and complicated domains. Engineering Analysis With Boundary Elements, 2021, 123, 168-181.	2.0	3
39	The identification of the unloaded configuration of breast tissue with unknown non-homogenous stiffness parameters using surface measured data in deformed configuration. Computers in Biology and Medicine, 2021, 128, 104107.	3.9	3
40	Thermal Stress Analysis of 3D Anisotropic Materials Involving Domain Heat Source by the Boundary Element Method. Journal of Mechanics, 2019, 35, 839-850.	0.7	2
41	Direct transformation of the volume integral in the boundary integral equation for treating three-dimensional steady-state anisotropic thermoelasticity involving volume heat source. International Journal of Solids and Structures, 2018, 143, 287-297.	1.3	1
42	Three-dimensional thermo-mechanical analysis of continuous casting and comparison with two-dimensional models. Journal of Strain Analysis for Engineering Design, 2018, 53, 421-434.	1.0	1