Amir Khosravifard

List of Publications by Year
in descending order

44	960	567281 15	454955 30
papers	citations	h-index	g-index

44	44	44	614
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modeling fracture in viscoelastic materials using a modified incremental meshfree RPIM and DIC technique. European Journal of Mechanics, A/Solids, 2022, 92, 104456.	3.7	8
2	Identification of Time Variations of Moving Loads Applied to Plates Resting on Viscoelastic Foundation Using a Meshfree Method. Aerospace, 2022, 9, 357.	2.2	0
3	Adaptive fractional-order backstepping sliding mode controller design for an electrostatically actuated size-dependent microplate. JVC/Journal of Vibration and Control, 2021, 27, 1353-1369.	2.6	7
4	An inverse procedure for identification of loads applied to a fractured component using a meshfree method. International Journal for Numerical Methods in Engineering, 2021, 122, 1687-1705.	2.8	6
5	Application of an auto-edge counting method for quantification of metal artifacts in CBCT images: a multivariate analysis of object position, field of view size, tube voltage, and metal artifact reduction algorithm. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2021, 132, 735-743.	0.4	10
6	A comparative mechanical study of two types of femur bone implant using the finite element method. International Journal for Numerical Methods in Biomedical Engineering, 2021, 37, e3459.	2.1	10
7	Analysis of fracture mechanics and fatigue crack growth in moderately thick plates using an efficient meshfree approach. Theoretical and Applied Fracture Mechanics, 2021, 113, 102943.	4.7	12
8	An effective crack identification method in viscoelastic media using an inverse meshfree method. International Journal of Mechanical Sciences, 2021, 212, 106834.	6.7	10
9	A practical meshfree inverse method for identification of thermo-mechanical fracture load of a body by examining the crack path in the body. Engineering Analysis With Boundary Elements, 2021, 133, 236-247.	3.7	10
10	A modified fuzzy-tuned artificial bee algorithm to optimal location of piezoelectric actuators and sensors for active vibration control of isotropic rectangular plates. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	3
11	A meshfree method with dynamic node reconfiguration for analysis of thermo-elastic problems with moving concentrated heat sources. Applied Mathematical Modelling, 2020, 79, 624-638.	4.2	11
12	Meshfree investigation of the vibrational behavior of pre-stressed laminated composite plates based on a variationally consistent plate model. Engineering Analysis With Boundary Elements, 2020, 111, 118-133.	3.7	20
13	A modified incremental creep integral approach for meshfree analysis of viscoelastic problems. Engineering Analysis With Boundary Elements, 2020, 120, 253-264.	3.7	4
14	Determination of uncertain parameters of a two-axis gimbal and motion tracking via Fuzzy logic control approach. Journal of Intelligent and Fuzzy Systems, 2020, 39, 6565-6577.	1.4	1
15	An inverse meshfree thermoelastic analysis for identification of temperature-dependent thermal and mechanical material properties. Journal of Thermal Stresses, 2020, 43, 1165-1188.	2.0	6
16	Design of a nonsingular adaptive fuzzy backstepping controller for electrostatically actuated microplates. Applied Mathematical Modelling, 2020, 88, 283-306.	4.2	9
17	Determination of thermophysical properties and density volume fractions of Al2O3/Y-ZrO2 layered composite materials using transient thermography and two-stage inverse nonlinear heat conduction analysis. Journal of Applied Physics, 2020, 127, .	2.5	3
18	Parameter Estimation and Fuzzy Controller Design for a Two-Axis Gimbal. Advances in Intelligent Systems and Computing, 2020, , 89-97.	0.6	0

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19	A robust meshfree method for analysis of cohesive crack propagation problems. Theoretical and Applied Fracture Mechanics, 2019, 104, 102328.	4.7	14
20	An inverse meshfree method for heat flux identification based on strain measurement. International Journal of Thermal Sciences, 2019, 144, 50-66.	4.9	9
21	Enhanced meshfree method with new correlation functions for functionally graded plates using a refined inverse sin shear deformation plate theory. European Journal of Mechanics, A/Solids, 2019, 74, 160-175.	3.7	23
22	A novel method for estimation of intensity and location of multiple point heat sources based on strain measurement. Engineering Analysis With Boundary Elements, 2019, 98, 203-216.	3.7	3
23	A meshfree method for static and buckling analysis of shear deformable composite laminates considering continuity of interlaminar transverse shearing stresses. Composite Structures, 2019, 209, 206-218.	5.8	18
24	Efficient analysis of dynamic fracture mechanics in various media by a novel meshfree approach. Theoretical and Applied Fracture Mechanics, 2019, 99, 161-176.	4.7	29
25	A parametric study of the MLPG method for thermo-mechanical solidification analysis. Engineering Analysis With Boundary Elements, 2018, 89, 10-24.	3.7	16
26	A new refined simple TSDT-based effective meshfree method for analysis of through-thickness FG plates. Applied Mathematical Modelling, 2018, 57, 514-534.	4.2	46
27	Investigating the effects of mushy zone thickness on residual stresses in alloy solidification. Meccanica, 2018, 53, 905-922.	2.0	3
28	A Two-Constraint Method for Appropriate Determination of the Configuration of Source and Collocation Points in the Method of Fundamental Solutions for 2D Laplace Equation. Advances in Applied Mathematics and Mechanics, 2018, 10, 554-580.	1.2	11
29	A simple FSDT-based meshfree method for analysis of functionally graded plates. Engineering Analysis With Boundary Elements, 2017, 79, 1-12.	3.7	87
30	Accurate and efficient analysis of stationary and propagating crack problems by meshless methods. Theoretical and Applied Fracture Mechanics, 2017, 87, 21-34.	4.7	73
31	A new stable inverse method for identification of the elastic constants of a three-dimensional generally anisotropic solid. International Journal of Solids and Structures, 2017, 106-107, 240-250.	2.7	28
32	Boundary element analysis of 2D and 3D thermoelastic problems containing curved line heat sources. European Journal of Computational Mechanics, 2016, 25, 147-164.	0.6	3
33	A novel inverse method for identification of 3D thermal conductivity coefficients of anisotropic media by the boundary element analysis. International Journal of Heat and Mass Transfer, 2015, 89, 685-693.	4.8	34
34	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.	2.1	3
35	A background decomposition method for domain integration in weak-form meshfree methods. Computers and Structures, 2014, 142, 64-78.	4.4	34
36	Dynamic analysis of sandwich beams with functionally graded core using a truly meshfree radial point interpolation method. Engineering Structures, 2013, 47, 90-104.	5.3	148

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37	Analytical study of mixed electroosmotic-pressure-driven flow in rectangular micro-channels. Theoretical and Computational Fluid Dynamics, 2013, 27, 599-616.	2.2	12
38	Efficient evaluation of weakly/strongly singular domain integrals in the BEM using a singular nodal integration method. Engineering Analysis With Boundary Elements, 2013, 37, 691-698.	3.7	37
39	Simultaneous control of solidus and liquidus lines in alloy solidification. Engineering Analysis With Boundary Elements, 2013, 37, 211-224.	3.7	12
40	Determination of optimum cooling conditions for continuous casting by a meshless method. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2013, 227, 1022-1035.	2.1	5
41	A GENERAL TECHNIQUE FOR COUPLING TWO ARBITRARY METHODS IN STRESS ANALYSIS. International Journal of Computational Methods, 2012, 09, 1240027.	1.3	1
42	Boundary element analysis of uncoupled transient thermo-elastic problems with time- and space-dependent heat sources. Applied Mathematics and Computation, 2011, 218, 1862-1882.	2.2	31
43	Nonlinear transient heat conduction analysis of functionally graded materials in the presence of heat sources using an improved meshless radial point interpolation method. Applied Mathematical Modelling, 2011, 35, 4157-4174.	4.2	81
44	A new method for meshless integration in 2D and 3D Galerkin meshfree methods. Engineering Analysis With Boundary Elements, 2010, 34, 30-40.	3.7	69