

# Amir Khosravifard

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

960  
citations

567281

15  
h-index

454955

30  
g-index

44  
all docs

44  
docs citations

44  
times ranked

614  
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.	5.3	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.	3.7	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.	4.2	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.	4.7	73
5	A new method for meshless integration in 2D and 3D Galerkin meshfree methods. <i>Engineering Analysis With Boundary Elements</i> , 2010, 34, 30-40.	3.7	69
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.	4.2	46
7	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.	3.7	37
8	A background decomposition method for domain integration in weak-form meshfree methods. <i>Computers and Structures</i> , 2014, 142, 64-78.	4.4	34
9	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.	4.8	34
10	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.	2.2	31
11	Efficient analysis of dynamic fracture mechanics in various media by a novel meshfree approach. <i>Theoretical and Applied Fracture Mechanics</i> , 2019, 99, 161-176.	4.7	29
12	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.	2.7	28
13	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.	3.7	23
14	Meshfree investigation of the vibrational behavior of pre-stressed laminated composite plates based on a variationally consistent plate model. <i>Engineering Analysis With Boundary Elements</i> , 2020, 111, 118-133.	3.7	20
15	A meshfree method for static and buckling analysis of shear deformable composite laminates considering continuity of interlaminar transverse shearing stresses. <i>Composite Structures</i> , 2019, 209, 206-218.	5.8	18
16	A parametric study of the MLPG method for thermo-mechanical solidification analysis. <i>Engineering Analysis With Boundary Elements</i> , 2018, 89, 10-24.	3.7	16
17	A robust meshfree method for analysis of cohesive crack propagation problems. <i>Theoretical and Applied Fracture Mechanics</i> , 2019, 104, 102328.	4.7	14
18	Analytical study of mixed electroosmotic-pressure-driven flow in rectangular micro-channels. <i>Theoretical and Computational Fluid Dynamics</i> , 2013, 27, 599-616.	2.2	12

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19	Simultaneous control of solidus and liquidus lines in alloy solidification. <i>Engineering Analysis With Boundary Elements</i> , 2013, 37, 211-224.	3.7	12
20	Analysis of fracture mechanics and fatigue crack growth in moderately thick plates using an efficient meshfree approach. <i>Theoretical and Applied Fracture Mechanics</i> , 2021, 113, 102943.	4.7	12
21	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.	4.2	11
22	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. <i>Advances in Applied Mathematics and Mechanics</i> , 2018, 10, 554-580.	1.2	11
23	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. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2021, 132, 735-743.	0.4	10
24	A comparative mechanical study of two types of femur bone implant using the finite element method. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2021, 37, e3459.	2.1	10
25	An effective crack identification method in viscoelastic media using an inverse meshfree method. <i>International Journal of Mechanical Sciences</i> , 2021, 212, 106834.	6.7	10
26	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.	3.7	10
27	An inverse meshfree method for heat flux identification based on strain measurement. <i>International Journal of Thermal Sciences</i> , 2019, 144, 50-66.	4.9	9
28	Design of a nonsingular adaptive fuzzy backstepping controller for electrostatically actuated microplates. <i>Applied Mathematical Modelling</i> , 2020, 88, 283-306.	4.2	9
29	Modeling fracture in viscoelastic materials using a modified incremental meshfree RPIM and DIC technique. <i>European Journal of Mechanics, A/Solids</i> , 2022, 92, 104456.	3.7	8
30	Adaptive fractional-order backstepping sliding mode controller design for an electrostatically actuated size-dependent microplate. <i>JVC/Journal of Vibration and Control</i> , 2021, 27, 1353-1369.	2.6	7
31	An inverse meshfree thermoelastic analysis for identification of temperature-dependent thermal and mechanical material properties. <i>Journal of Thermal Stresses</i> , 2020, 43, 1165-1188.	2.0	6
32	An inverse procedure for identification of loads applied to a fractured component using a meshfree method. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 1687-1705.	2.8	6
33	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.	2.1	5
34	A modified incremental creep integral approach for meshfree analysis of viscoelastic problems. <i>Engineering Analysis With Boundary Elements</i> , 2020, 120, 253-264.	3.7	4
35	Material tailoring in functionally graded rods under torsion. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2014, 228, 3283-3295.	2.1	3
36	Boundary element analysis of 2D and 3D thermoelastic problems containing curved line heat sources. <i>European Journal of Computational Mechanics</i> , 2016, 25, 147-164.	0.6	3

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37	Investigating the effects of mushy zone thickness on residual stresses in alloy solidification. <i>Meccanica</i> , 2018, 53, 905-922.	2.0	3
38	A novel method for estimation of intensity and location of multiple point heat sources based on strain measurement. <i>Engineering Analysis With Boundary Elements</i> , 2019, 98, 203-216.	3.7	3
39	Determination of thermophysical properties and density volume fractions of Al <sub>2</sub> O <sub>3</sub> /Y-ZrO <sub>2</sub> layered composite materials using transient thermography and two-stage inverse nonlinear heat conduction analysis. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	3
40	A modified fuzzy-tuned artificial bee algorithm to optimal location of piezoelectric actuators and sensors for active vibration control of isotropic rectangular plates. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	1.6	3
41	A GENERAL TECHNIQUE FOR COUPLING TWO ARBITRARY METHODS IN STRESS ANALYSIS. <i>International Journal of Computational Methods</i> , 2012, 09, 1240027.	1.3	1
42	Determination of uncertain parameters of a two-axis gimbal and motion tracking via Fuzzy logic control approach. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 39, 6565-6577.	1.4	1
43	Parameter Estimation and Fuzzy Controller Design for a Two-Axis Gimbal. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 89-97.	0.6	0
44	Identification of Time Variations of Moving Loads Applied to Plates Resting on Viscoelastic Foundation Using a Meshfree Method. <i>Aerospace</i> , 2022, 9, 357.	2.2	0