Jianfei Wang

List of Publications by Year
in descending order

		516561	677027
23 papers	694 citations	16 h-index	22 g-index
24 all docs	24 docs citations	24 times ranked	328 citing authors

#	ARTICLE	IF	CITATIONS
1	The improved element-free Galerkin method for three-dimensional transient heat conduction problems. Science China: Physics, Mechanics and Astronomy, 2013, 56, 1568-1580.	2.0	84
2	THE COMPLEX VARIABLE ELEMENT-FREE GALERKIN (CVEFG) METHOD FOR TWO-DIMENSIONAL ELASTODYNAMICS PROBLEMS. International Journal of Applied Mechanics, 2012, 04, 1250042.	1.3	69
3	AN INTERPOLATING BOUNDARY ELEMENT-FREE METHOD WITH NONSINGULAR WEIGHT FUNCTION FOR TWO-DIMENSIONAL POTENTIAL PROBLEMS. International Journal of Computational Methods, 2013, 10, 1350043.	0.8	64
4	Error estimates for the interpolating moving least-squares method in n-dimensional space. Applied Numerical Mathematics, 2015, 98, 79-105.	1.2	61
5	Nonlinear dynamics of composite laminated circular cylindrical shell clamped along a generatrix and with membranes at both ends. Nonlinear Dynamics, 2017, 90, 1393-1417.	2.7	54
6	Error estimates for the interpolating moving least-squares method. Applied Mathematics and Computation, 2014, 245, 321-342.	1.4	53
7	Thermal vibration and buckling analysis of functionally graded carbon nanotube reinforced composite quadrilateral plate. European Journal of Mechanics, A/Solids, 2021, 85, 104105.	2.1	50
8	On the study of elastic properties of CNT-reinforced composites based on element-free MLS method with nanoscale cylindrical representative volume element. Composite Structures, 2015, 124, 1-9.	3.1	34
9	Multiscale simulation of mechanical properties and microstructure of CNT-reinforced cement-based composites. Computer Methods in Applied Mechanics and Engineering, 2017, 319, 393-413.	3.4	32
10	Multiscale analysis on free vibration of functionally graded graphene reinforced PMMA composite plates. Applied Mathematical Modelling, 2021, 98, 38-58.	2.2	28
11	A multiscale modeling of CNT-reinforced cement composites. Computer Methods in Applied Mechanics and Engineering, 2016, 309, 411-433.	3.4	26
12	Molecular dynamics-based multiscale nonlinear vibrations of PMMA/CNT composite plates. Mechanical Systems and Signal Processing, 2021, 153, 107530.	4.4	25
13	Stochastic meshless method for nonlinear vibration analysis of composite plate reinforced with carbon fibers. Aerospace Science and Technology, 2020, 105, 105919.	2.5	24
14	Hopf Bifurcation, Positively Invariant Set, and Physical Realization of a New Four-Dimensional Hyperchaotic Financial System. Mathematical Problems in Engineering, 2017, 2017, 1-13.	0.6	21
15	Effect of CNT volume fractions on nonlinear vibrations of PMMA/CNT composite plates: A multiscale simulation. Thin-Walled Structures, 2022, 170, 108513.	2.7	21
16	An equivalent continuum meshless approach for material nonlinear analysis of CNT-reinforced composites. Composite Structures, 2018, 188, 116-125.	3.1	18
17	An accurate improved complex variable element-free method for numerical solutions of elastodynamic problems. Engineering Analysis With Boundary Elements, 2015, 50, 304-312.	2.0	10
18	Content-Dependent Nonlinear Vibration of Composite Plates Reinforced with Carbon Nanotubes. Journal of Vibration Engineering and Technologies, 2022, 10, 1253-1264.	1.3	8

#	Article	IF	Citations
19	Multiscale simulation of temperature- and pressure-dependent nonlinear dynamics of PMMA/CNT composite plates. Nonlinear Dynamics, 2022, 109, 1517-1550.	2.7	6
20	The Error Estimates of the Interpolating Element-Free Galerkin Method for Two-Point Boundary Value Problems. Mathematical Problems in Engineering, 2014, 2014, 1-12.	0.6	3
21	Statistical analysis of composites reinforced with randomly distributed fibers using a meshless method. Acta Mechanica, 2019, 230, 2309-2324.	1.1	2
22	Active Vibration Control of Functionally Graded Carbon Nanotube Reinforced Composite Plate with Coupled Electromechanical Actuation. Frontiers in Materials, 2022, 9, .	1.2	1
23	Authorsâ€™ reply to the discussion on Wang, J. F., Huang, D. S., and Zhang, W., â€œStatistical analysis of composites reinforced with randomly distributed fibers using a meshless methodâ€, Acta Mech., 230, 2309â€"2324 (2019), by R. Talreja and S. Elnekhaily. Acta Mechanica, 2021, 232, 357-369.	1.1	0