Yufeng Nie

List of Publications by Year
in descending order

117 papers	1,362 citations	430874 18 h-index	414414 32 g-index
118 all docs	118 docs citations	118 times ranked	879 citing authors

#	Article	IF	Citations
1	An implicit RBF meshless approach for time fractional diffusion equations. Computational Mechanics, 2011, 48, 1-12.	4.0	142
2	Finite element investigation of Dufour and Soret impacts on MHD rotating flow of Oldroyd-B nanofluid over a stretching sheet with double diffusion Cattaneo Christov heat flux model. Powder Technology, 2021, 377, 439-452.	4.2	112
3	Finite Element Simulation of Multiple Slip Effects on MHD Unsteady Maxwell Nanofluid Flow over a Permeable Stretching Sheet with Radiation and Thermo-Diffusion in the Presence of Chemical Reaction. Processes, 2019, 7, 628.	2.8	72
4	Multiple Slip Effects on Magnetohydrodynamic Axisymmetric Buoyant Nanofluid Flow above a Stretching Sheet with Radiation and Chemical Reaction. Symmetry, 2019, 11, 1171.	2.2	59
5	Multiple slip effects on MHD unsteady viscoelastic nano-fluid flow over a permeable stretching sheet with radiation using the finite element method. SN Applied Sciences, 2020, 2, 1.	2.9	56
6	Multiring-induced multicolour emission: hyperbranched polysiloxane with silicon bridge for data encryption. Materials Chemistry Frontiers, 2020, 4, 1375-1382.	5.9	52
7	Three-Dimensional Nanofluid Flow with Heat and Mass Transfer Analysis over a Linear Stretching Surface with Convective Boundary Conditions. Applied Sciences (Switzerland), 2018, 8, 2244.	2.5	49
8	Finite element simulation of bioconvection and cattaneo-Christov effects on micropolar based nanofluid flow over a vertically stretching sheet. Chinese Journal of Physics, 2020, 68, 654-670.	3.9	49
9	Insight into the dynamics of fluid conveying tiny particles over a rotating surface subject to Cattaneoâ€“Christov heat transfer, Coriolis force, and Arrhenius activation energy. Computers and Mathematics With Applications, 2021, 93, 130-143.	2.7	38
10	Imidazolium Ionic Liquid Modified Graphene Oxide: As a Reinforcing Filler and Catalyst in Epoxy Resin. Polymers, 2017, 9, 447.	4.5	37
11	Variable Viscosity Effects on Unsteady MHD an Axisymmetric Nanofluid Flow over a Stretching Surface with Thermo-Diffusion: FEM Approach. Symmetry, 2020, 12, 234.	2.2	37
12	Unsteady magneto-hydrodynamic transport of rotating Maxwell nanofluid flow on a stretching sheet with Cattaneoâ€“Christov double diffusion and activation energy. Thermal Science and Engineering Progress, 2020, 20, 100720.	2.7	33
13	Combined hybrid approach to finite element schemes of high performance. International Journal for Numerical Methods in Engineering, 2001, 51, 181-202.	2.8	30
14	Finite element simulation of bioconvection Falknerâ€“Skan flow of a Maxwell nanofluid fluid along with activation energy over a wedge. Physica Scripta, 2020, 95, 095214.	2.5	30
15	A numerical approach for the Riesz space-fractional Fisher' equation in two-dimensions. International Journal of Computer Mathematics, 2017, 94, 296-315.	1.8	29
16	An advanced numerical modeling for Riesz space fractional advectionâ€“dispersion equations by a meshfree approach. Applied Mathematical Modelling, 2016, 40, 7816-7829.	4.2	23
17	An unstructured mesh finite difference/finite element method for the three-dimensional time-space fractional Bloch-Torrey equations on irregular domains. Journal of Computational Physics, 2020, 408, 109284.	3.8	23
18	Impact of Thermal Radiation on Magnetohydrodynamic Unsteady Thin Film Flow of Sisko Fluid over a Stretching Surface. Processes, 2019, 7, 369.	2.8	22

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19	Buoyancy Effetcs On FalknerSkan Flow of a Maxwell Nanofluid Fluid With Activation Energy past a wedge: Finite Element Approach. Chinese Journal of Physics, 2020, 68, 368-380.	3.9	22
20	High-order three-scale computational method for dynamic thermo-mechanical problems of composite structures with multiple spatial scales. International Journal of Solids and Structures, 2019, 169, 95-121.	2.7	19
21	Amino Functionalization of Reduced Graphene Oxide/Tungsten Disulfide Hybrids and Their Bismaleimide Composites with Enhanced Mechanical Properties. Polymers, 2018, 10, 1199.	4.5	18
22	A third-order entropy stable scheme for hyperbolic conservation laws. Journal of Hyperbolic Differential Equations, 2016, 13, 129-145.	0.5	17
23	An efficient differential quadrature method for fractional advectionâ€“diffusion equation. Nonlinear Dynamics, 2017, 90, 1807-1827.	5.2	17
24	Impact of Thermal Radiation and Heat Source/Sink on MHD Time-Dependent Thin-Film Flow of Oldroyed-B, Maxwell, and Jeffry Fluids over a Stretching Surface. Processes, 2019, 7, 191.	2.8	15
25	Multiscale computational method for thermoelastic problems of composite materials with orthogonal periodic configurations. Applied Mathematical Modelling, 2018, 60, 634-660.	4.2	14
26	High-order three-scale computational method for heat conduction problems of axisymmetric composite structures with multiple spatial scales. Advances in Engineering Software, 2018, 121, 1-12.	3.8	14
27	Mixed Noise Removal Algorithm Combining Adaptive Directional Weighted Mean Filter and Improved Adaptive Anisotropic Diffusion Model. Mathematical Problems in Engineering, 2018, 2018, 1-19.	1.1	13
28	Multi-scale computational method for dynamic thermo-mechanical performance of heterogeneous shell structures with orthogonal periodic configurations. Computer Methods in Applied Mechanics and Engineering, 2019, 354, 143-180.	6.6	12
29	Thermoelastic analysis of multiple defects with the extended finite element method. Acta Mechanica Sinica/Lixue Xuebao, 2016, 32, 1123-1137.	3.4	11
30	An edge fusion scheme for image denoising based on anisotropic diffusion models. Journal of Visual Communication and Image Representation, 2016, 40, 406-417.	2.8	11
31	A divergence-free reconstruction of the nonconforming virtual element method for the Stokes problem. Computer Methods in Applied Mechanics and Engineering, 2020, 372, 113351.	6.6	11
32	A wavelet-based learning approach assisted multiscale analysis for estimating the effective thermal conductivities of particulate composites. Computer Methods in Applied Mechanics and Engineering, 2021, 374, 113591.	6.6	10
33	Multi-scale modelling of the human left ventricle. Scientia Sinica: Physica, Mechanica Et Astronomica, 2015, 45, 024702-024702.	0.4	10
34	Second-order two-scale computational method for ageing linear viscoelastic problem in composite materials with periodic structure. Applied Mathematics and Mechanics (English Edition), 2016, 37, 253-264.	3.6	9
35	Second-order two-scale computational method for damped dynamic thermo-mechanical problems of quasi-periodic composite materials. Journal of Computational and Applied Mathematics, 2018, 343, 575-601.	2.0	9
36	Acceleration Strategies Based on an Improved Bubble Packing Method. Communications in Computational Physics, 2014, 16, 115-135.	1.7	8

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37	Adaptive finite element analysis of elliptic problems based on bubble-type local mesh generation. Journal of Computational and Applied Mathematics, 2015, 280, 42-58.	2.0	8
38	An exponential B-spline collocation method for the fractional sub-diffusion equation. Advances in Difference Equations, 2017, 2017, .	3.5	8
39	Superconvergence of numerical gradient for weak Galerkin finite element methods on nonuniform Cartesian partitions in three dimensions. Computers and Mathematics With Applications, 2019, 78, 905-928.	2.7	8
40	Secondâ€order, fully decoupled, linearized, and unconditionally stable scalar auxiliary variable schemes for <scp>Cahnâ€“Hilliardâ€“Darcy</scp> system. Numerical Methods for Partial Differential Equations, 2022, 38, 1658-1683.	3.6	8
41	Prediction of effective properties for random heterogeneous materials with extrapolation. Archive of Applied Mechanics, 2014, 84, 247-261.	2.2	7
42	Parallel node placement method by bubble simulation. Computer Physics Communications, 2014, 185, 798-808.	7.5	7
43	Second-order two-scale analysis and numerical algorithm for the damped wave equations of composite materials with quasi-periodic structures. Applied Mathematics and Computation, 2017, 298, 201-220.	2.2	7
44	Differential quadrature method for space-fractional diffusion equations on 2D irregular domains. Numerical Algorithms, 2018, 79, 853-877.	1.9	7
45	Multiscale computational method for transient heat conduction problems of periodic porous materials with diverse periodic configurations in different subdomains. Applied Numerical Mathematics, 2019, 136, 215-234.	2.1	7
46	Finite element methods for fractional PDEs in three dimensions. Applied Mathematics Letters, 2020, 100, 106041.	2.7	7
47	A priori and a posteriori error estimates of the weak Galerkin finite element method for parabolic problems. Computers and Mathematics With Applications, 2021, 99, 73-83.	2.7	7
48	Fracture Analysis in Orthotropic Thermoelasticity Using Extended Finite Element Method. Advances in Applied Mathematics and Mechanics, 2015, 7, 780-795.	1.2	6
49	Second-Order Two-Scale Computational Method for Nonlinear Dynamic Thermo-Mechanical Problems of Composites with Cylindrical Periodicity. Communications in Computational Physics, 2017, 21, 1173-1206.	1.7	6
50	A two-stage filter for removing salt-and-pepper noise using noise detector based on characteristic difference parameter and adaptive directional mean filter. PLoS ONE, 2018, 13, e0205736.	2.5	6
51	A fast high-order algorithm for the multiple cavity scattering. International Journal of Computer Mathematics, 2019, 96, 135-157.	1.8	6
52	An iterative fast sweeping method for the eikonal equation in 2D anisotropic media on unstructured triangular meshes. Geophysics, 2021, 86, U49-U61.	2.6	6
53	A collocation method based on localized radial basis functions with reproducibility for nonlocal diffusion models. Computational and Applied Mathematics, 2021, 40, 1.	2.2	6
54	Unconditionally optimal convergence of a linearized Galerkin FEM for the nonlinear time-fractional mobile/immobile transport equation. Applied Numerical Mathematics, 2022, 172, 133-156.	2.1	6

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55	Parallel adaptive mesh refinement method based on bubble-type local mesh generation. Journal of Parallel and Distributed Computing, 2018, 117, 37-49.	4.1	5
56	An Innovative Approach towards Possibility Fuzzy Soft Ordered Semigroups for Ideals and Its Application. Mathematics, 2019, 7, 1183.	2.2	5
57	Characterizing complex flows using adaptive sparse dynamic mode decomposition with error approximation. International Journal for Numerical Methods in Fluids, 2020, 92, 587-602.	1.6	5
58	Acceleration strategies based on bubble-type adaptive mesh refinement method. Mathematics and Computers in Simulation, 2020, 170, 143-163.	4.4	5
59	High-order three-scale computational method for elastic behavior analysis and strength prediction of axisymmetric composite structures with multiple spatial scales. Mathematics and Mechanics of Solids, 2021, 26, 905-936.	2.4	5
60	Stratification and Buoyancy Effect of Heat Transportation in Magnetohydrodynamics Micropolar Fluid Flow Passing Over a Porous Shrinking Sheet Using the Finite Element Method. Journal of Nanofluids, 2019, 8, 1640-1647.	2.7	5
61	Influence of interfacial electrokinetic on MHD radiative nanofluid flow in a permeable microchannel with Brownian motion and thermophoresis effects. Open Physics, 2020, 18, 726-737.	1.7	5
62	High-resolution semi-discrete Hermite central-upwind scheme for multidimensional Hamiltonâ€“Jacobi equations. Applied Numerical Mathematics, 2014, 80, 22-45.	2.1	4
63	Microstructural Modeling and Multiscale Mechanical Properties Analysis of Cancellous Bone. Computers, Materials and Continua, 2020, 62, 245-265.	1.9	4
64	A recovery-based a posteriori error estimator of the weak Galerkin finite element method for elliptic problems. Journal of Computational and Applied Mathematics, 2022, 406, 113926.	2.0	4
65	Numerical path integration method based on bubble grids for nonlinear dynamical systems. Applied Mathematical Modelling, 2013, 37, 1490-1501.	4.2	3
66	Dynamic thermo-mechanical coupled simulation of statistically inhomogeneous materials by statistical second-order two-scale method. Acta Mechanica Sinica/Lixue Xuebao, 2015, 31, 762-776.	3.4	3
67	A modified bubble placement method and its application in solving elliptic problem with discontinuous coefficients adaptively. International Journal of Computer Mathematics, 2017, 94, 1268-1289.	1.8	3
68	Boundary Element Solver for Coupled Conduction-Radiation Heat Transfer in Nonhomogeneous Media. Journal of Thermophysics and Heat Transfer, 2018, 32, 975-983.	1.6	3
69	Numerical algorithms for multidimensional time-fractional wave equation of distributed-order with a nonlinear source term. Advances in Difference Equations, 2018, 2018, .	3.5	3
70	A fast multipole algorithm for radiative heat transfer in 3D semitransparent media. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 221, 8-17.	2.3	3
71	Multiscale computational method for heat conduction problems of composite structures with diverse periodic configurations in different subdomains. Computers and Mathematics With Applications, 2018, 76, 2549-2565.	2.7	3
72	Multiscale Computational Method for Dynamic Thermo-Mechanical Problems of Composite Structures with Diverse Periodic Configurations in Different Subdomains. Journal of Scientific Computing, 2019, 79, 1630-1666.	2.3	3

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73	Unconditionally optimal error estimates of two linearized Galerkin FEMs for the two-dimensional nonlinear fractional Rayleighâ€“Stokes problem. Computers and Mathematics With Applications, 2021, 93, 78-93.	2.7	3
74	A Fully Discrete Implicit-Explicit Finite Element Method for Solving the Fitzhugh-Nagumo Model. Journal of Computational Mathematics, 2020, 38, 469-486.	0.4	3
75	XFEM for Fracture Analysis in 2D Anisotropic Elasticity. Advances in Applied Mathematics and Mechanics, 2017, 9, 125-143.	1.2	2
76	Effective numerical treatment of sub-diffusion equation with non-smooth solution. International Journal of Computer Mathematics, 2018, 95, 1394-1407.	1.8	2
77	Ordered Semigroups Based on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mfenced separators="|"><mml:mrow><mml:mo>â^</mml:mo><mml:mo>,</mml:mo><mml:mo>â^</mml:mo><mml:mo>â^</mml:mo><mml:mo> Ideals. Advances in Fuzzy Systems, 2018, 2018, 1-10.	0.9	2
78	Compact finite difference schemes for the backward fractional Feynmanâ€“Kac equation with fractional substantial derivative. Chinese Physics B, 2019, 28, 100201.	1.4	2
79	An efficient parameter estimation method for nonlinear high-order systems via surrogate modeling and cuckoo search. Soft Computing, 2020, 24, 17065-17079.	3.6	2
80	The Study of the Theoretical Size and Node Probability of the Loop Cutset in Bayesian Networks. Mathematics, 2020, 8, 1079.	2.2	2
81	An advanced meshless approach for the high-dimensional multi-term time-space-fractional PDEs on convex domains. Nonlinear Dynamics, 2021, 104, 1555-1580.	5.2	2
82	A modified nonconforming virtual element with BDM-like reconstruction for the Navier-Stokes equations. Applied Numerical Mathematics, 2021, 167, 375-388.	2.1	2
83	A Node Placement Method with high quality for mesh generation. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012218.	0.6	1
84	NUMERICAL SIMULATION OF 2D LIQUID SLOSHING. International Journal of Applied Mechanics, 2012, 04, 1250014.	2.2	1
85	NPBS-based adaptive finite element method for static electromagnetic problems. Journal of Electromagnetic Waves and Applications, 2016, 30, 2020-2038.	1.6	1
86	A new boundary condition for homogenization of high-contrast random heterogeneous materials. International Journal of Computer Mathematics, 2016, 93, 2012-2027.	1.8	1
87	Anisotropic mesh adaptation for steady convection-dominated problems based on bubble-type local mesh generation. International Journal of Computer Mathematics, 2020, 97, 980-997.	1.8	1
88	Shared Node and Its Improvement to the Theory Analysis and Solving Algorithm for the Loop Cutset. Mathematics, 2020, 8, 1625.	2.2	1
89	A class of RBFs-based DQ methods for the space-fractional diffusion equations on 3D irregular domains. Computational Mechanics, 2020, 66, 221-238.	4.0	1
90	An Algorithm Based on Loop-Cutting Contribution Function for Loop Cutset Problem in Bayesian Network. Mathematics, 2021, 9, 462.	2.2	1

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91	Fracture analysis for materials by a stable generalized/extended finite element method. Journal of Mechanics, 2021, 37, 513-521.	1.4	1
92	Multiscale Modeling for Mechanical Properties of Cancellous Bone Based on the Schwarz Surface. MATEC Web of Conferences, 2017, 95, 12004.	0.2	1
93	The analysis and computation on nonlocal thermoelastic problems of blend composites via enriched second-order multi-scale computational method. Mathematics and Mechanics of Solids, 2023, 28, 795-832.	2.4	1
94	Convergence analysis of Jacobi spectral collocation methods for weakly singular nonlocal diffusion equationsÂwith volume constraints. Applied Mathematics and Computation, 2022, 431, 127345.	2.2	1
95	Unconditionally optimal error estimates of a linearized weak Galerkin finite element method for semilinear parabolic equations. Advances in Computational Mathematics, 2022, 48, .	1.6	1
96	Mathematical model of a junction between linear elastomer and thin plate. Applied Mathematics and Mechanics (English Edition), 1996, 17, 269-274.	3.6	0
97	The energy orthogonal relation between conforming and non-conforming displacements of triangular element. Applied Mathematics and Mechanics (English Edition), 1999, 20, 660-665.	3.6	0
98	Target Detection Based on Elastic Wave Propagation Equations. , 2010, , .		0
99	A portable parallel finite element simulation system. , 2010, , .		0
100	Combined Hybrid Finite Element Method Applied in Elastic Thermal Stress Problem. International Journal of Computational Methods, 2017, 14, 1750071.	1.3	0
101	Numerical algorithm for three-dimensional space fractional advection diffusion equation. IOP Conference Series: Earth and Environmental Science, 2017, 69, 012127.	0.3	0
102	A multigrid preconditioned algorithm for 8-node hexahedron combined hybrid element. IOP Conference Series: Earth and Environmental Science, 2017, 69, 012122.	0.3	0
103	Variable V-cycle multigrid preconditioners for the discrete systems from combined hybrid quadrilateral elements. Computers and Mathematics With Applications, 2018, 76, 649-660.	2.7	0
104	Superconvergence analysis of adaptive finite element method based on the bubble-type mesh generation. Applied Mathematics Letters, 2019, 98, 322-328.	2.7	0
105	A Galerkin FEM for Riesz space-fractional CNLS. Advances in Difference Equations, 2019, 2019, .	3.5	0
106	The multigrid method for the combined hybrid elements of elasticity mechanical problem. Computational and Applied Mathematics, 2019, 38, 1.	2.2	0
107	A risk assessment system of COVID-19 based on Bayesian inference. Journal of Physics: Conference Series, 2020, 1634, 012084.	0.4	0
108	Constructing reduced model for complex physical systems via interpolation and neural networks*. Chinese Physics B, 2021, 30, 030204.	1.4	0

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109	Using Gauss-Jacobi quadrature rule to improve the accuracy of FEM for spatial fractional problems. Numerical Algorithms, 0, , 1.	1.9	0
110	High resolution entropy stable scheme for shallow water equations. , 0, , .		0
111	Simulating creep deformation in generalized visco-elastic medium with the space-time finite element method. , 0, , .		0
112	A HIGH ORDER CENTRAL-UPWIND SCHEME FOR HYPERBOLIC CONSERVATION LAWS. Journal of Applied Analysis and Computation, 2015, 5, 453-464.	0.5	0
113	Remove impulse noise using adaptive multi-directional weighted mean filter. , 2018, , .		0
114	High-Order Three-Scale Computational Method for Thermoelastic Behavior Analysis of Axisymmetric Composite Structures with Multiple Spatial Scales. Advances in Applied Mathematics and Mechanics, 2020, 12, 599-642.	1.2	0
115	Pressure-independent velocity error estimates for (Navier-)Stokes nonconforming virtual element discretization with divergence free. Numerical Algorithms, 0, , 1.	1.9	0
116	Kernel-Independent Fast Multipole Boundary Element Solver for Coupled Conductionâ€“Radiation Heat Transfer Problem. Journal of Thermophysics and Heat Transfer, 0, , 1-6.	1.6	0
117	The Multigrid Method for the Combined Hybrid Element of Linear Elasticity Problem. Mathematical Problems in Engineering, 2022, 2022, 1-13.	1.1	0