

# Nhan Phan-Thien

## List of Publications by Year in descending order

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207  
papers

5,833  
citations

71102

41  
h-index

106344

65  
g-index

214  
all docs

214  
docs citations

214  
times ranked

3832  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural-network-based approximations for solving partial differential equations. <i>Communications in Numerical Methods in Engineering</i> , 1994, 10, 195-201.	1.3	261
2	Simulating flow of DNA suspension using dissipative particle dynamics. <i>Physics of Fluids</i> , 2006, 18, 063102.	4.0	214
3	Microchannel flow of a macromolecular suspension. <i>Physics of Fluids</i> , 2003, 15, 11-21.	4.0	163
4	Numerical study of secondary flows of viscoelastic fluid in straight pipes by an implicit finite volume method. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1995, 59, 191-213.	2.4	153
5	Cellulose-based aerogels from sugarcane bagasse for oil spill-cleaning and heat insulation applications. <i>Carbohydrate Polymers</i> , 2020, 228, 115365.	10.2	153
6	Cotton aerogels and cotton-cellulose aerogels from environmental waste for oil spillage cleanup. <i>Materials and Design</i> , 2017, 130, 452-458.	7.0	138
7	A boundary-element analysis of flagellar propulsion. <i>Journal of Fluid Mechanics</i> , 1987, 184, 533-549.	3.4	132
8	Small and large strain rheology of wheat gluten. <i>Rheologica Acta</i> , 2002, 41, 162-172.	2.4	132
9	Particle-based simulations of red blood cells—A review. <i>Journal of Biomechanics</i> , 2016, 49, 2255-2266.	2.1	117
10	Linear Viscoelastic Properties of Bovine Brain Tissue in Shear. <i>Biorheology</i> , 1997, 34, 377-385.	0.4	114
11	Folgar—Tucker constant for a fibre suspension in a Newtonian fluid. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2002, 103, 251-260.	2.4	108
12	Hydrodynamic slippage inferred from thin film drainage measurements in a solution of nonadsorbing polymer. <i>Journal of Chemical Physics</i> , 2000, 112, 6424-6433.	3.0	106
13	Coaxial-disk flow of an Oldroyd-B fluid: exact solution and stability. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1983, 13, 325-340.	2.4	93
14	Flow around spheres by dissipative particle dynamics. <i>Physics of Fluids</i> , 2006, 18, 103605.	4.0	91
15	Dissipative particle dynamics simulation of polymer drops in a periodic shear flow. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2004, 118, 65-81.	2.4	90
16	Oscillatory and simple shear flows of a flour-water dough: a constitutive model. <i>Rheologica Acta</i> , 1997, 36, 38-48.	2.4	89
17	A new constitutive model for fibre suspensions: flow past a sphere. <i>Rheologica Acta</i> , 1991, 30, 44-57.	2.4	87
18	An implementation of no-slip boundary conditions in DPD. <i>Computational Mechanics</i> , 2004, 35, 24-29.	4.0	79

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19	Non-linear oscillatory flow of a soft solid-like viscoelastic material. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2000, 92, 67-80.	2.4	70
20	Heat and sound insulation applications of pineapple aerogels from pineapple waste. <i>Materials Chemistry and Physics</i> , 2020, 242, 122267.	4.0	70
21	Molecular dynamics simulation of a liquid in a complex nano channel flow. <i>Physics of Fluids</i> , 2002, 14, 1146-1153.	4.0	67
22	Thermoresponsive Hydrogel Induced by Dual Supramolecular Assemblies and Its Controlled Release Property for Enhanced Anticancer Drug Delivery. <i>Biomacromolecules</i> , 2020, 21, 1516-1527.	5.4	67
23	Viscoelastic squeeze-film flows “ Maxwell fluids. <i>Journal of Fluid Mechanics</i> , 1983, 129, 265.	3.4	62
24	Rotation of a spheroid in a Couette flow at moderate Reynolds numbers. <i>Physical Review E</i> , 2007, 76, 026310.	2.1	62
25	Fully developed viscous and viscoelastic flows in curved pipes. <i>Journal of Fluid Mechanics</i> , 2001, 440, 327-357.	3.4	60
26	Advanced Recycled Polyethylene Terephthalate Aerogels from Plastic Waste for Acoustic and Thermal Insulation Applications. <i>Gels</i> , 2018, 4, 43.	4.5	60
27	Differential multiphase models for polydispersed spheroidal inclusions: thermal conductivity and effective viscosity. <i>International Journal of Engineering Science</i> , 2000, 38, 73-88.	5.0	58
28	Smoothed particle hydrodynamics (SPH) modeling of fiber orientation in a 3D printing process. <i>Physics of Fluids</i> , 2018, 30, .	4.0	54
29	Methyltrimethoxysilane-coated recycled polyethylene terephthalate aerogels for oil spill cleaning applications. <i>Materials Chemistry and Physics</i> , 2020, 239, 122064.	4.0	54
30	3D-printed surface-patterned ceramic membrane with enhanced performance in crossflow filtration. <i>Journal of Membrane Science</i> , 2020, 606, 118138.	8.2	53
31	Transient response of concentrated suspensions after shear reversal. <i>Journal of Rheology</i> , 2002, 46, 295-305.	2.6	50
32	Advanced fabrication and multi-properties of rubber aerogels from car tire waste. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 577, 702-708.	4.7	50
33	Hybrid smoothed dissipative particle dynamics and immersed boundary method for simulation of red blood cells in flows. <i>Physical Review E</i> , 2017, 95, 063314.	2.1	49
34	Squeeze film flow of ideal elastic liquids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1985, 18, 227-254.	2.4	48
35	Stretching and Relaxation of Malaria-Infected Red Blood Cells. <i>Biophysical Journal</i> , 2013, 105, 1103-1109.	0.5	47
36	Dissipative particle dynamics simulations of deformation and aggregation of healthy and diseased red blood cells in a tube flow. <i>Physics of Fluids</i> , 2014, 26, .	4.0	47

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37	Dissipative particle dynamics simulation of droplet suspension in shear flow at low Capillary number. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2014, 212, 63-72.	2.4	46
38	Three-dimensional study of extrusion processes by Boundary Element Method.. <i>Rheologica Acta</i> , 1988, 27, 639-648.	2.4	45
39	Recycling of waste tire fibers into advanced aerogels for thermal insulation and sound absorption applications. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104279.	6.7	45
40	On pulsating flow of polymeric fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1978, 4, 167-176.	2.4	44
41	Synergistic and Additive Effects of Three High Molecular Weight Glutenin Subunit Loci. I. Effects on Wheat Dough Rheology. <i>Cereal Chemistry</i> , 2002, 79, 294-300.	2.2	42
42	Understanding Viscoelasticity. <i>Graduate Texts in Physics</i> , 2013, , .	0.2	41
43	Simulation of fibre suspension flows by the Brownian configuration field method. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1999, 84, 257-274.	2.4	40
44	Pulsating flow revisited. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1982, 11, 147-161.	2.4	38
45	Functionalized pineapple aerogels for ethylene gas adsorption and nickel (II) ion removal applications. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104524.	6.7	38
46	The flow past a sphere in a cylindrical tube: effects of inertia, shear-thinning and elasticity. <i>Rheologica Acta</i> , 1991, 30, 499-510.	2.4	37
47	A finite element analysis of the flow past a sphere in a cylindrical tube: PTT fluid model. <i>Computational Mechanics</i> , 1991, 8, 409-422.	4.0	37
48	Three-dimensional study of extrusion processes by Boundary Element Method.. <i>Rheologica Acta</i> , 1988, 27, 21-30.	2.4	34
49	Applications of functionalized polyethylene terephthalate aerogels from plastic bottle waste. <i>Waste Management</i> , 2019, 100, 296-305.	7.4	34
50	A new constitutive model for monodispersed suspensions of spheres at high concentrations. <i>Rheologica Acta</i> , 1999, 38, 297-304.	2.4	33
51	Pulsating flow of a plastic fluid. <i>Nature</i> , 1982, 296, 843-844.	27.8	32
52	Numerical investigations on the compressibility of a DPD fluid. <i>Journal of Computational Physics</i> , 2013, 242, 196-210.	3.8	32
53	A file of red blood cells in tube flow: A three-dimensional numerical study. <i>Journal of Applied Physics</i> , 2014, 116, 124703.	2.5	32
54	Advanced fabrication and application of pineapple aerogels from agricultural waste. <i>Materials Technology</i> , 2020, 35, 807-814.	3.0	31

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55	Coaxial-disk flow and flow about a rotating disk of a Maxwellian fluid. <i>Journal of Fluid Mechanics</i> , 1983, 128, 427.	3.4	30
56	A boundary element approach for non-homogeneous potential problems. <i>Computational Mechanics</i> , 1991, 7, 279-288.	4.0	30
57	Time-optimal Trajectories for Robot Manipulators. <i>Robotica</i> , 1991, 9, 131-138.	1.9	30
58	Hydrodynamic interaction between two nearby swimming micromachines. <i>Computational Mechanics</i> , 1997, 20, 551-559.	4.0	30
59	A smoothed particle hydrodynamics (SPH) formulation of a two-phase mixture model and its application to turbulent sediment transport. <i>Physics of Fluids</i> , 2019, 31, .	4.0	30
60	On the Stokes Flow of Viscous Fluids Through Corrugated Pipes. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1980, 47, 961-963.	2.2	29
61	Understanding Viscoelasticity. <i>Graduate Texts in Physics</i> , 2017, , .	0.2	29
62	Relationship between transit time and mechanical properties of a cell through a stenosed microchannel. <i>Soft Matter</i> , 2018, 14, 533-545.	2.7	29
63	Completed double layer in half-space: a boundary element method. <i>Computational Mechanics</i> , 1992, 9, 121-135.	4.0	28
64	Fully three-dimensional, time-dependent numerical simulations of Newtonian and viscoelastic swirling flows in a confined cylinder. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1999, 87, 337-367.	2.4	28
65	A smoothed particle hydrodynamics (SPH) study of sediment dispersion on the seafloor. <i>Physics of Fluids</i> , 2017, 29, .	4.0	28
66	Coupled conduction-convection problem for a cylinder in an enclosure. <i>Computational Mechanics</i> , 1996, 18, 429-443.	4.0	27
67	Concentration Dependence of Yield Stress and Dynamic Moduli of Kaolinite Suspensions. <i>Langmuir</i> , 2015, 31, 4791-4797.	3.5	27
68	Dynamics and deformation of a three-dimensional bubble rising in viscoelastic fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2020, 285, 104408.	2.4	27
69	Effect of temperature on rheological behavior of kaolinite and bentonite suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 506, 1-5.	4.7	26
70	A complete conjugate conduction convection and radiation problem for a heated block in a vertical differentially heated square enclosure. <i>Computational Mechanics</i> , 1999, 24, 175-186.	4.0	25
71	Dissipative particle dynamics modeling of low Reynolds number incompressible flows. <i>Journal of Rheology</i> , 2013, 57, 585-604.	2.6	25
72	Numerical modelling of a healthy/malaria-infected erythrocyte in shear flow using dissipative particle dynamics method. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	25

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73	Red blood cell motion and deformation in a curved microvessel. <i>Journal of Biomechanics</i> , 2017, 65, 12-22.	2.1	25
74	A lattice Boltzmann method for simulating viscoelastic drops. <i>Physics of Fluids</i> , 2019, 31, .	4.0	25
75	Materials With Negative Poisson's Ratio: A Qualitative Microstructural Model. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1994, 61, 1001-1004.	2.2	24
76	The effect of shear-thinning behaviour on rod orientation in filled fluids. <i>Journal of Fluid Mechanics</i> , 2016, 798, 350-370.	3.4	24
77	A rheological constitutive model for semiconcentrated rod suspensions in Bingham fluids. <i>Physics of Fluids</i> , 2017, 29, .	4.0	24
78	A novel aerogel from thermal power plant waste for thermal and acoustic insulation applications. <i>Waste Management</i> , 2021, 124, 1-7.	7.4	24
79	Squeezing flow of a viscoelastic solid. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2000, 95, 343-362.	2.4	23
80	An effective boundary element method for inhomogeneous partial differential equations. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 1991, 42, 730-745.	1.4	22
81	A smoothed particle hydrodynamics simulation of fiber-filled composites in a non-isothermal three-dimensional printing process. <i>Physics of Fluids</i> , 2019, 31, .	4.0	22
82	Numerical design of a microfluidic chip for probing mechanical properties of cells. <i>Journal of Biomechanics</i> , 2019, 84, 103-112.	2.1	22
83	A numerical study of viscoelastic effects in chaotic mixing between eccentric cylinders. <i>Journal of Fluid Mechanics</i> , 2000, 412, 197-225.	3.4	21
84	A spring model for suspended particles in dissipative particle dynamics. <i>Journal of Rheology</i> , 2014, 58, 839-867.	2.6	21
85	Recycling of magnesium waste into magnesium hydroxide aerogels. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104101.	6.7	21
86	Extrudate swell through an orifice die. <i>Rheologica Acta</i> , 1996, 35, 1-12.	2.4	20
87	Investigation of particles size effects in Dissipative Particle Dynamics (DPD) modelling of colloidal suspensions. <i>Computer Physics Communications</i> , 2015, 189, 37-46.	7.5	20
88	The key events of thrombus formation: platelet adhesion and aggregation. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 943-955.	2.8	20
89	Fabrication and optimization of multifunctional nanoporous aerogels using recycled textile fibers from car tire wastes for oil-spill cleaning, heat-insulating and sound absorbing applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127363.	4.7	20
90	Simulations of fibre orientation in dilute suspensions with front moving in the filling process of a rectangular channel using level-set method. <i>Rheologica Acta</i> , 2007, 46, 427-447.	2.4	19

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91	Short-term and long-term irreversibility in particle suspensions undergoing small and large amplitude oscillatory stress. <i>Journal of Rheology</i> , 2013, 57, 1325-1346.	2.6	19
92	Studies on liquid-liquid interfacial tension with standard dissipative particle dynamics method. <i>Molecular Simulation</i> , 2015, 41, 1166-1176.	2.0	19
93	On peculiar behaviours at critical volumes of a three-dimensional bubble rising in viscoelastic fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2021, 293, 104568.	2.4	19
94	Torsional flow: elastic instability in a finite domain. <i>Journal of Fluid Mechanics</i> , 1996, 312, 279-298.	3.4	18
95	A lattice Boltzmann modeling of viscoelastic drops' deformation and breakup in simple shear flows. <i>Physics of Fluids</i> , 2020, 32, .	4.0	18
96	Completed double layer boundary element method for periodic suspensions. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 1998, 49, 167.	1.4	17
97	On Stokes Flows in Channels and Pipes with Parallel Stationary Random Surface Roughness. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2008, 61, 193-199.	1.6	17
98	Simulation of anisotropic diffusion processes in fluids with smoothed particle hydrodynamics. <i>International Journal for Numerical Methods in Fluids</i> , 2016, 82, 730-747.	1.6	17
99	Recent Progresses in Eco-Friendly Fabrication and Applications of Sustainable Aerogels from Various Waste Materials. <i>Waste and Biomass Valorization</i> , 2022, 13, 1825-1847.	3.4	17
100	An optimum spacing problem for five chips on a horizontal substrate in a vertically insulated enclosure. <i>Computational Mechanics</i> , 1999, 24, 310-318.	4.0	16
101	A smoothed particle hydrodynamics study of a non-isothermal and thermally anisotropic fused deposition modeling process for a fiber-filled composite. <i>Physics of Fluids</i> , 2020, 32, .	4.0	16
102	A numerical simulation of suspension flow using a constitutive model based on anisotropic interparticle interactions. <i>Rheologica Acta</i> , 2000, 39, 122-130.	2.4	15
103	Flow enhancement in pulsating flow of non-colloidal suspensions in tubes. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2014, 212, 13-17.	2.4	15
104	Shear induced organization of particles in non-colloidal suspensions in steady shear flow. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2015, 223, 228-232.	2.4	15
105	A dissipative particle dynamics model for thixotropic materials exhibiting pseudo-yield stress behaviour. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2017, 241, 1-13.	2.4	15
106	On the Fibre Pull-out Problem. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 1981, 61, 89-98.	1.6	14
107	On the Mean Reynolds Equation in the Presence of Homogeneous Random Surface Roughness. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1982, 49, 476-480.	2.2	14
108	Steady-shear rheological properties for suspensions of axisymmetric particles in second-order fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2017, 239, 62-72.	2.4	14

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109	Organ Dynamics and Fluid Dynamics of the HH25 Chick Embryonic Cardiac Ventricle as Revealed by a Novel 4D High-Frequency Ultrasound Imaging Technique and Computational Flow Simulations. <i>Annals of Biomedical Engineering</i> , 2017, 45, 2309-2323.	2.5	14
110	Hydrodynamic loads and wake dynamics of ducted propeller in oblique flow conditions. <i>Ships and Offshore Structures</i> , 2020, 15, 645-660.	1.9	14
111	Hydrodynamic interaction and coalescence of two inline bubbles rising in a viscoelastic liquid. <i>Physics of Fluids</i> , 2021, 33, .	4.0	14
112	The load transfer between two rigid spherical inclusions in an elastic medium. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 1994, 45, 177-201.	1.4	13
113	Micro-Fourier rheometer: Inertial effects. <i>Rheologica Acta</i> , 1996, 35, 410-416.	2.4	13
114	Rheology of bubble suspensions using dissipative particle dynamics. Part I: A hard-core DPD particle model for gas bubbles. <i>Journal of Rheology</i> , 2013, 57, 1715-1737.	2.6	13
115	Viscometric flow for a many-body dissipative particle dynamics (MDPD) fluid with Lees's Edwards boundary condition. <i>Molecular Simulation</i> , 2018, 44, 213-224.	2.0	13
116	A three-dimensional smoothed particle hydrodynamics dispersion simulation of polydispersed sediment on the seafloor using a message passing interface algorithm. <i>Physics of Fluids</i> , 2019, 31, .	4.0	13
117	Squeeze-film flow of an Oldroyd-B fluid: Similarity solution and limiting Weissenberg number. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 1984, 35, 747-759.	1.4	12
118	On the Flow of a Non-Newtonian Liquid Induced by Intestine-Like Contractions. <i>Journal of Biomechanical Engineering</i> , 1989, 111, 1-8.	1.3	12
119	Faxi's relations and some rigid inclusion problems. <i>Journal of Elasticity</i> , 1995, 37, 93-111.	1.9	12
120	Destabilization of clouds of monodisperse and polydisperse particles falling in a quiescent and viscous fluid. <i>Physics of Fluids</i> , 2016, 28, .	4.0	12
121	A smoothed particle hydrodynamics (SPH) study on polydisperse sediment from technical activities on seabed. <i>Physics of Fluids</i> , 2018, 30, 023302.	4.0	12
122	Flow patterns and red blood cell dynamics in a U-bend. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	12
123	A theoretical study of permeability enhancement for ultrafiltration ceramic membranes with conical pores and slippage. <i>Physics of Fluids</i> , 2019, 31, .	4.0	12
124	COUPLED CONDUCTION-CONVECTION PROBLEM FOR AN UNDERGROUND RECTANGULAR DUCT CONTAINING THREE INSULATED CABLES. <i>Numerical Heat Transfer; Part A: Applications</i> , 1997, 31, 411-431.	2.1	11
125	Criteria of negative wake generation behind a cylinder. <i>Rheologica Acta</i> , 2004, 43, 203-209.	2.4	11
126	Equivalent inclusion method for arbitrary cavities or cracks in an elastic infinite/semi-infinite space. <i>International Journal of Mechanical Sciences</i> , 2021, 195, 106259.	6.7	11



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127	Inertial swimming in a channel filled with a power-law fluid. <i>Physics of Fluids</i> , 2021, 33, .	4.0	11
128	On Stokes Flow between Parallel Plates with Stationary Random Surface Roughness. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 1980, 60, 675-679.	1.6	10
129	THREE-DIMENSIONAL COUPLLED CONDUCTION-CONVECTION PROBLEM FOR THREE CHIPS MOUNTED ON A SUBSTRATE IN AN ENCLOSURE. <i>Numerical Heat Transfer; Part A: Applications</i> , 1997, 32, 149-167.	2.1	10
130	Pressure drop created by a sphere settling in a tube containing a fiber suspension. <i>Journal of Rheology</i> , 1999, 43, 1-8.	2.6	10
131	A coupled conduction convection and radiation problem for three insulated cables suspended in air. <i>Computational Mechanics</i> , 1998, 22, 326-336.	4.0	9
132	Dissipative particle dynamics simulations for fibre suspensions in newtonian and viscoelastic fluids. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2010, 199, 1593-1602.	6.6	9
133	An improved dissipative particle dynamics scheme. <i>Applied Mathematical Modelling</i> , 2017, 46, 602-617.	4.2	9
134	Imposition of physical parameters in dissipative particle dynamics. <i>Computer Physics Communications</i> , 2017, 221, 290-298.	7.5	9
135	Rheology of polymers in many-body dissipative particle dynamics simulations: Schmidt number effect. <i>Molecular Simulation</i> , 2018, 44, 797-814.	2.0	9
136	Thermal or electrical bulk properties of rod-filled composites. <i>International Journal of Engineering Science</i> , 2018, 133, 219-230.	5.0	9
137	A note on dissipative particle dynamics (DPD) modelling of simple fluids. <i>Computers and Fluids</i> , 2018, 176, 97-108.	2.5	9
138	Rheological behavior for laponite and bentonite suspensions in shear flow. <i>AIP Advances</i> , 2019, 9, 125233.	1.3	9
139	Hydrodynamics of an inertial squirmer and squirmer dumbbell in a tube. <i>Journal of Fluid Mechanics</i> , 2022, 939, .	3.4	9
140	The Influence of Random Longitudinal Vibration on Channel and Pipe Flows of a Slightly Non-Newtonian Liquid. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1981, 48, 661-664.	2.2	8
141	On the steady flow of a Newtonian fluid between two parallel disk. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 1984, 35, 912-919.	1.4	8
142	A numerical study of strongly overdamped Dissipative Particle Dynamics (DPD) systems. <i>Journal of Computational Physics</i> , 2013, 245, 150-159.	3.8	8
143	On a vertical chain of small bubbles ascending in a viscoelastic fluid. <i>Physics of Fluids</i> , 2021, 33, .	4.0	8
144	Rubber-like elasticity by boundary element method: Finite deformation of a circular elastic slice. <i>Rheologica Acta</i> , 1988, 27, 230-240.	2.4	7

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145	An explicit finite volume method for viscoelastic fluid flows. <i>Computational Mechanics</i> , 1994, 13, 443-457.	4.0	7
146	On the path and efficiency of two micromachines with rigid tails. <i>Computational Mechanics</i> , 1996, 18, 192-199.	4.0	7
147	Geometric optimisation of a micromachine with a spiral tail immersed in viscous medium. <i>Computational Mechanics</i> , 1997, 20, 267-271.	4.0	7
148	Simulation of front evolving liquid film flowing down an inclined plate using level set method. <i>Computational Mechanics</i> , 2004, 34, 271.	4.0	7
149	Three-dimensional roll-up of a viscoelastic mixing layer. <i>Journal of Fluid Mechanics</i> , 2004, 500, 29-53.	3.4	7
150	A lattice Boltzmann modeling of the bubble velocity discontinuity (BVD) in shear-thinning viscoelastic fluids. <i>Physics of Fluids</i> , 2021, 33, 033108.	4.0	7
151	A microstructure model for viscoelastic thixotropic fluids. <i>Physics of Fluids</i> , 2020, 32, .	4.0	7
152	Rigid fiber motion in slightly non-Newtonian viscoelastic fluids. <i>Physics of Fluids</i> , 2021, 33, .	4.0	7
153	Traction-based Completed Adjoint Double Layer Boundary Element Method in elasticity. <i>Computational Mechanics</i> , 1995, 16, 360-367.	4.0	6
154	A domain decomposition implementation of the SIMPLE method with PVM. <i>Computational Mechanics</i> , 1997, 20, 347-358.	4.0	6
155	Measurement of the viscoelastic properties of bituminous materials using an oscillating needle technique. <i>Rheologica Acta</i> , 1999, 38, 443-450.	2.4	6
156	Tangential flow and advective mixing of viscoplastic fluids between eccentric cylinders. <i>Journal of Fluid Mechanics</i> , 2001, 431, 65-89.	3.4	6
157	Exponential-time differencing schemes for low-mass DPD systems. <i>Computer Physics Communications</i> , 2014, 185, 229-235.	7.5	6
158	Shear flow of periodic arrays of particle clusters: a boundary-element method. <i>Journal of Fluid Mechanics Digital Archive</i> , 1991, 228, 275.	0.6	5
159	Stability of some shear flows for concentrated suspensions. <i>Rheologica Acta</i> , 1996, 35, 69-75.	2.4	5
160	A coupled conduction convection and radiation problem for three insulated cables suspended in air. <i>Computational Mechanics</i> , 1997, 20, 359-369.	4.0	5
161	Torsional flow: effect of second normal stress difference on elastic instability in a finite domain. <i>Journal of Fluid Mechanics</i> , 1998, 359, 217-237.	3.4	5
162	Polymeric suspensions in shear flow: Relaxation and normal stress differences. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2017, 239, 28-34.	2.4	5

#	ARTICLE	IF	CITATIONS
163	Organ Dynamics and Hemodynamic of the Whole HH25 Avian Embryonic Heart, Revealed by Ultrasound Biomicroscopy, Boundary Tracking, and Flow Simulations. <i>Scientific Reports</i> , 2019, 9, 18072.	3.3	5
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