

Nhan Phan-Thien

List of Publications by Year in descending order

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207
papers

5,833
citations

71061

41
h-index

106281

65
g-index

214
all docs

214
docs citations

214
times ranked

3832
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.8	17
2	Macroscopic modeling of the evolution of fiber orientation during flow. , 2022, , 77-121.		4
3	Hydrodynamics of an inertial squirmer and squirmer dumbbell in a tube. <i>Journal of Fluid Mechanics</i> , 2022, 939, .	1.4	9
4	Swimming of an inertial squirmer array in a Newtonian fluid. <i>Physics of Fluids</i> , 2022, 34, .	1.6	2
5	A hybrid smoothed particle hydrodynamics coupled to a fictitious domain method for particulate flows and its application in a three-dimensional printing process. <i>Journal of Computational Physics</i> , 2022, 463, 111312.	1.9	3
6	Force measurements on an inclined plate moving a sediment/sand bed. <i>Ocean Engineering</i> , 2021, 219, 108365.	1.9	2
7	Advanced fabrication and multi-properties of aluminium hydroxide aerogels from aluminium wastes. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 885-894.	1.6	5
8	A lattice Boltzmann modeling of the bubble velocity discontinuity (BVD) in shear-thinning viscoelastic fluids. <i>Physics of Fluids</i> , 2021, 33, 033108.	1.6	7
9	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.	3.6	11
10	A novel aerogel from thermal power plant waste for thermal and acoustic insulation applications. <i>Waste Management</i> , 2021, 124, 1-7.	3.7	24
11	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.	1.0	19
12	Hydrodynamic interaction and coalescence of two inline bubbles rising in a viscoelastic liquid. <i>Physics of Fluids</i> , 2021, 33, .	1.6	14
13	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.	2.3	20
14	Elastic field prediction for a welding repaired material using a semi-analytical method. <i>Applied Mathematical Modelling</i> , 2021, 99, 566-584.	2.2	2
15	On a vertical chain of small bubbles ascending in a viscoelastic fluid. <i>Physics of Fluids</i> , 2021, 33, .	1.6	8
16	Rigid fiber motion in slightly non-Newtonian viscoelastic fluids. <i>Physics of Fluids</i> , 2021, 33, .	1.6	7
17	Inertial swimming in a channel filled with a power-law fluid. <i>Physics of Fluids</i> , 2021, 33, .	1.6	11
18	Finite deformation of a random array of rigid spheres in an elastic matrix at high concentration. <i>Physics of Fluids</i> , 2021, 33, .	1.6	1

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19	Hydrodynamic loads and wake dynamics of ducted propeller in oblique flow conditions. <i>Ships and Offshore Structures</i> , 2020, 15, 645-660.	0.9	14
20	Methyltrimethoxysilane-coated recycled polyethylene terephthalate aerogels for oil spill cleaning applications. <i>Materials Chemistry and Physics</i> , 2020, 239, 122064.	2.0	54
21	Cellulose-based aerogels from sugarcane bagasse for oil spill-cleaning and heat insulation applications. <i>Carbohydrate Polymers</i> , 2020, 228, 115365.	5.1	153
22	Heat and sound insulation applications of pineapple aerogels from pineapple waste. <i>Materials Chemistry and Physics</i> , 2020, 242, 122267.	2.0	70
23	Investigation of particulate suspensions in generalised hydrodynamic dissipative particle dynamics using a spring model. <i>Applied Mathematical Modelling</i> , 2020, 77, 652-662.	2.2	1
24	Size effect of the parallel-plate geometry on the rheological behavior of bentonite suspensions. <i>Journal of Rheology</i> , 2020, 64, 111-117.	1.3	3
25	Advanced fabrication and application of pineapple aerogels from agricultural waste. <i>Materials Technology</i> , 2020, 35, 807-814.	1.5	31
26	The key events of thrombus formation: platelet adhesion and aggregation. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 943-955.	1.4	20
27	Functionalized pineapple aerogels for ethylene gas adsorption and nickel (II) ion removal applications. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104524.	3.3	38
28	Dynamics and deformation of a three-dimensional bubble rising in viscoelastic fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2020, 285, 104408.	1.0	27
29	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.	3.3	45
30	A lattice Boltzmann modeling of viscoelastic drops' deformation and breakup in simple shear flows. <i>Physics of Fluids</i> , 2020, 32, .	1.6	18
31	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, .	1.6	16
32	Recycling of magnesium waste into magnesium hydroxide aerogels. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104101.	3.3	21
33	Coarse-graining, compressibility, and thermal fluctuation scaling in dissipative particle dynamics employed with pre-determined input parameters. <i>Physics of Fluids</i> , 2020, 32, .	1.6	5
34	Thermoresponsive Hydrogel Induced by Dual Supramolecular Assemblies and Its Controlled Release Property for Enhanced Anticancer Drug Delivery. <i>Biomacromolecules</i> , 2020, 21, 1516-1527.	2.6	67
35	3D-printed surface-patterned ceramic membrane with enhanced performance in crossflow filtration. <i>Journal of Membrane Science</i> , 2020, 606, 118138.	4.1	53
36	On permeability of corrugated pore membranes. <i>AIP Advances</i> , 2020, 10, 045317.	0.6	1

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37	A microstructure model for viscoelastic thixotropic fluids. <i>Physics of Fluids</i> , 2020, 32, .	1.6	7
38	10.1063/5.0033199.1. , 2020, , .		0
39	A lattice Boltzmann method for simulating viscoelastic drops. <i>Physics of Fluids</i> , 2019, 31, .	1.6	25
40	Applications of functionalized polyethylene terephthalate aerogels from plastic bottle waste. <i>Waste Management</i> , 2019, 100, 296-305.	3.7	34
41	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, .	1.6	30
42	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.	2.3	50
43	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, .	1.6	13
44	Fluid dynamics and forces in the HH25 avian embryonic outflow tract. <i>Biomechanics and Modeling in Mechanobiology</i> , 2019, 18, 1123-1137.	1.4	3
45	A theoretical study of permeability enhancement for ultrafiltration ceramic membranes with conical pores and slippage. <i>Physics of Fluids</i> , 2019, 31, .	1.6	12
46	Rheological behavior for laponite and bentonite suspensions in shear flow. <i>AIP Advances</i> , 2019, 9, 125233.	0.6	9
47	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.	1.6	5
48	A smoothed particle hydrodynamics simulation of fiber-filled composites in a non-isothermal three-dimensional printing process. <i>Physics of Fluids</i> , 2019, 31, .	1.6	22
49	Numerical design of a microfluidic chip for probing mechanical properties of cells. <i>Journal of Biomechanics</i> , 2019, 84, 103-112.	0.9	22
50	A smoothed particle hydrodynamics (SPH) study on polydisperse sediment from technical activities on seabed. <i>Physics of Fluids</i> , 2018, 30, 023302.	1.6	12
51	Rheology of polymers in many-body dissipative particle dynamics simulations: Schmidt number effect. <i>Molecular Simulation</i> , 2018, 44, 797-814.	0.9	9
52	Relationship between transit time and mechanical properties of a cell through a stenosed microchannel. <i>Soft Matter</i> , 2018, 14, 533-545.	1.2	29
53	Viscometric flow for a many-body dissipative particle dynamics (MDPD) fluid with Lees' Edwards boundary condition. <i>Molecular Simulation</i> , 2018, 44, 213-224.	0.9	13
54	Flow patterns and red blood cell dynamics in a U-bend. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	12

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55	Thermal or electrical bulk properties of rod-filled composites. International Journal of Engineering Science, 2018, 133, 219-230.	2.7	9
56	Smoothed particle hydrodynamics (SPH) modeling of fiber orientation in a 3D printing process. Physics of Fluids, 2018, 30, .	1.6	54
57	A note on dissipative particle dynamics (DPD) modelling of simple fluids. Computers and Fluids, 2018, 176, 97-108.	1.3	9
58	Advanced Recycled Polyethylene Terephthalate Aerogels from Plastic Waste for Acoustic and Thermal Insulation Applications. Gels, 2018, 4, 43.	2.1	60
59	Polymeric suspensions in shear flow: Relaxation and normal stress differences. Journal of Non-Newtonian Fluid Mechanics, 2017, 239, 28-34.	1.0	5
60	A dissipative particle dynamics model for thixotropic materials exhibiting pseudo-yield stress behaviour. Journal of Non-Newtonian Fluid Mechanics, 2017, 241, 1-13.	1.0	15
61	An improved dissipative particle dynamics scheme. Applied Mathematical Modelling, 2017, 46, 602-617.	2.2	9
62	Cotton aerogels and cotton-cellulose aerogels from environmental waste for oil spillage cleanup. Materials and Design, 2017, 130, 452-458.	3.3	138
63	Steady-shear rheological properties for suspensions of axisymmetric particles in second-order fluids. Journal of Non-Newtonian Fluid Mechanics, 2017, 239, 62-72.	1.0	14
64	A smoothed particle hydrodynamics (SPH) study of sediment dispersion on the seafloor. Physics of Fluids, 2017, 29, .	1.6	28
65	Imposition of physical parameters in dissipative particle dynamics. Computer Physics Communications, 2017, 221, 290-298.	3.0	9
66	Understanding Viscoelasticity. Graduate Texts in Physics, 2017, , .	0.1	29
67	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. Annals of Biomedical Engineering, 2017, 45, 2309-2323.	1.3	14
68	A rheological constitutive model for semiconcentrated rod suspensions in Bingham fluids. Physics of Fluids, 2017, 29, .	1.6	24
69	Red blood cell motion and deformation in a curved microvessel. Journal of Biomechanics, 2017, 65, 12-22.	0.9	25
70	Hybrid smoothed dissipative particle dynamics and immersed boundary method for simulation of red blood cells in flows. Physical Review E, 2017, 95, 063314.	0.8	49
71	Simulation of anisotropic diffusion processes in fluids with smoothed particle hydrodynamics. International Journal for Numerical Methods in Fluids, 2016, 82, 730-747.	0.9	17
72	Sediment transport over seabed with Smoothed Particle Hydrodynamics. , 2016, , .		0

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73	The effect of shear-thinning behaviour on rod orientation in filled fluids. <i>Journal of Fluid Mechanics</i> , 2016, 798, 350-370.	1.4	24
74	Strongly overdamped Dissipative Particle Dynamics for fluid-solid systems. <i>Applied Mathematical Modelling</i> , 2016, 40, 6359-6375.	2.2	1
75	Destabilization of clouds of monodisperse and polydisperse particles falling in a quiescent and viscous fluid. <i>Physics of Fluids</i> , 2016, 28, .	1.6	12
76	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.	2.3	26
77	Particle-based simulations of red blood cells – A review. <i>Journal of Biomechanics</i> , 2016, 49, 2255-2266.	0.9	117
78	Studies on liquid-liquid interfacial tension with standard dissipative particle dynamics method. <i>Molecular Simulation</i> , 2015, 41, 1166-1176.	0.9	19
79	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.	1.0	15
80	Concentration Dependence of Yield Stress and Dynamic Moduli of Kaolinite Suspensions. <i>Langmuir</i> , 2015, 31, 4791-4797.	1.6	27
81	Investigation of particles size effects in Dissipative Particle Dynamics (DPD) modelling of colloidal suspensions. <i>Computer Physics Communications</i> , 2015, 189, 37-46.	3.0	20
82	Numerical modelling of a healthy/malaria-infected erythrocyte in shear flow using dissipative particle dynamics method. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	25
83	A spring model for suspended particles in dissipative particle dynamics. <i>Journal of Rheology</i> , 2014, 58, 839-867.	1.3	21
84	Exponential-time differencing schemes for low-mass DPD systems. <i>Computer Physics Communications</i> , 2014, 185, 229-235.	3.0	6
85	A file of red blood cells in tube flow: A three-dimensional numerical study. <i>Journal of Applied Physics</i> , 2014, 116, 124703.	1.1	32
86	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, .	1.6	47
87	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.	1.0	46
88	Flow enhancement in pulsating flow of non-colloidal suspensions in tubes. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2014, 212, 13-17.	1.0	15
89	Understanding Viscoelasticity. <i>Graduate Texts in Physics</i> , 2013, , .	0.1	41
90	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.	1.3	13

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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.	1.3	19
92	A numerical study of strongly overdamped Dissipative Particle Dynamics (DPD) systems. <i>Journal of Computational Physics</i> , 2013, 245, 150-159.	1.9	8
93	Stretching and Relaxation of Malaria-Infected Red Blood Cells. <i>Biophysical Journal</i> , 2013, 105, 1103-1109.	0.2	47
94	Dissipative particle dynamics modeling of low Reynolds number incompressible flows. <i>Journal of Rheology</i> , 2013, 57, 585-604.	1.3	25
95	Numerical investigations on the compressibility of a DPD fluid. <i>Journal of Computational Physics</i> , 2013, 242, 196-210.	1.9	32
96	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.	3.4	9
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.	0.9	17
98	Rotation of a spheroid in a Couette flow at moderate Reynolds numbers. <i>Physical Review E</i> , 2007, 76, 026310.	0.8	62
99	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.	1.1	19
100	Simulating flow of DNA suspension using dissipative particle dynamics. <i>Physics of Fluids</i> , 2006, 18, 063102.	1.6	214
101	Flow around spheres by dissipative particle dynamics. <i>Physics of Fluids</i> , 2006, 18, 103605.	1.6	91
102	Simulation of front evolving liquid film flowing down an inclined plate using level set method. <i>Computational Mechanics</i> , 2004, 34, 271.	2.2	7
103	An implementation of no-slip boundary conditions in DPD. <i>Computational Mechanics</i> , 2004, 35, 24-29.	2.2	79
104	Criteria of negative wake generation behind a cylinder. <i>Rheologica Acta</i> , 2004, 43, 203-209.	1.1	11
105	Dissipative particle dynamics simulation of polymer drops in a periodic shear flow. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2004, 118, 65-81.	1.0	90
106	Three-dimensional roll-up of a viscoelastic mixing layer. <i>Journal of Fluid Mechanics</i> , 2004, 500, 29-53.	1.4	7
107	Parallelized FVM algorithm for three-dimensional viscoelastic flows. <i>Computational Mechanics</i> , 2003, 30, 265-280.	2.2	4
108	Microchannel flow of a macromolecular suspension. <i>Physics of Fluids</i> , 2003, 15, 11-21.	1.6	163

#	ARTICLE	IF	CITATIONS
109	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.	1.1	42
110	Transient response of concentrated suspensions after shear reversal. <i>Journal of Rheology</i> , 2002, 46, 295-305.	1.3	50
111	Molecular dynamics simulation of a liquid in a complex nano channel flow. <i>Physics of Fluids</i> , 2002, 14, 1146-1153.	1.6	67
112	Small and large strain rheology of wheat gluten. <i>Rheologica Acta</i> , 2002, 41, 162-172.	1.1	132
113	Folgarâ€Tucker constant for a fibre suspension in a Newtonian fluid. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2002, 103, 251-260.	1.0	108
114	Direct Numerical Investigation on Three-Dimensional, Time-Dependent Newtonian Rotational Flow Between Two Rotating Coaxial Disks with a Finite Domain. , 2001, , 599-604.		0
115	Tangential flow and advective mixing of viscoplastic fluids between eccentric cylinders. <i>Journal of Fluid Mechanics</i> , 2001, 431, 65-89.	1.4	6
116	Fully developed viscous and viscoelastic flows in curved pipes. <i>Journal of Fluid Mechanics</i> , 2001, 440, 327-357.	1.4	60
117	Effective moduli of particulate solids: Lubrication approximation method. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2001, 52, 1-17.	0.7	2
118	Stagnation and rotating-disk flows over a compliant surface. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2001, 52, 770-792.	0.7	0
119	A numerical study of viscoelastic effects in chaotic mixing between eccentric cylinders. <i>Journal of Fluid Mechanics</i> , 2000, 412, 197-225.	1.4	21
120	Differential multiphase models for polydispersed spheroidal inclusions: thermal conductivity and effective viscosity. <i>International Journal of Engineering Science</i> , 2000, 38, 73-88.	2.7	58
121	Squeezing flow of a viscoelastic solid. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2000, 95, 343-362.	1.0	23
122	Non-linear oscillatory flow of a soft solid-like viscoelastic material. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2000, 92, 67-80.	1.0	70
123	A numerical simulation of suspension flow using a constitutive model based on anisotropic interparticle interactions. <i>Rheologica Acta</i> , 2000, 39, 122-130.	1.1	15
124	Hydrodynamic slippage inferred from thin film drainage measurements in a solution of nonadsorbing polymer. <i>Journal of Chemical Physics</i> , 2000, 112, 6424-6433.	1.2	106
125	Simulation of fibre suspension flows by the Brownian configuration field method. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1999, 84, 257-274.	1.0	40
126	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.	1.0	28

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127	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.	2.2	25
128	An optimum spacing problem for five chips on a horizontal substrate in a vertically insulated enclosure. <i>Computational Mechanics</i> , 1999, 24, 310-318.	2.2	16
129	A new constitutive model for monodispersed suspensions of spheres at high concentrations. <i>Rheologica Acta</i> , 1999, 38, 297-304.	1.1	33
130	Measurement of the viscoelastic properties of bituminous materials using an oscillating needle technique. <i>Rheologica Acta</i> , 1999, 38, 443-450.	1.1	6
131	Pressure drop created by a sphere settling in a tube containing a fiber suspension. <i>Journal of Rheology</i> , 1999, 43, 1-8.	1.3	10
132	Completed double layer boundary element method for periodic suspensions. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 1998, 49, 167.	0.7	17
133	A coupled conduction convection and radiation problem for three insulated cables suspended in air. <i>Computational Mechanics</i> , 1998, 22, 326-336.	2.2	9
134	On the scalability of parallel computations on a network of workstations. <i>Computational Mechanics</i> , 1998, 22, 344-354.	2.2	4
135	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.	1.4	5
136	THREE-DIMENSIONAL COUPLED 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.	1.2	10
137	Linear Viscoelastic Properties of Bovine Brain Tissue in Shear. <i>Biorheology</i> , 1997, 34, 377-385.	1.2	114
138	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.	1.2	11
139	On the optimal bounds for the effective conductivity of isotropic quasi-symmetric multiphase media. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 1997, 48, 744-759.	0.7	1
140	Oscillatory and simple shear flows of a flour-water dough: a constitutive model. <i>Rheologica Acta</i> , 1997, 36, 38-48.	1.1	89
141	Modelling micromachines with elastic parts in a viscous environment. <i>Computational Mechanics</i> , 1997, 20, 242-246.	2.2	2
142	Geometric optimisation of a micromachine with a spiral tail immersed in viscous medium. <i>Computational Mechanics</i> , 1997, 20, 267-271.	2.2	7
143	A domain decomposition implementation of the SIMPLE method with PVM. <i>Computational Mechanics</i> , 1997, 20, 347-358.	2.2	6
144	A coupled conduction convection and radiation problem for three insulated cables suspended in air. <i>Computational Mechanics</i> , 1997, 20, 359-369.	2.2	5

#	ARTICLE	IF	CITATIONS
145	Hydrodynamic interaction between two nearby swimming micromachines. <i>Computational Mechanics</i> , 1997, 20, 551-559.	2.2	30
146	Coupled conduction-convection problem for a cylinder in an enclosure. <i>Computational Mechanics</i> , 1996, 18, 429-443.	2.2	27
147	Torsional flow: elastic instability in a finite domain. <i>Journal of Fluid Mechanics</i> , 1996, 312, 279-298.	1.4	18
148	On the path and efficiency of two micromachines with rigid tails. <i>Computational Mechanics</i> , 1996, 18, 192-199.	2.2	7
149	Extrudate swell through an orifice die. <i>Rheologica Acta</i> , 1996, 35, 1-12.	1.1	20
150	Stability of some shear flows for concentrated suspensions. <i>Rheologica Acta</i> , 1996, 35, 69-75.	1.1	5
151	Micro-Fourier rheometer: Inertial effects. <i>Rheologica Acta</i> , 1996, 35, 410-416.	1.1	13
152	Coupled conduction-convection problem for a cylinder in an enclosure. <i>Computational Mechanics</i> , 1996, 18, 429-443.	2.2	2
153	Faxì½ relations and some rigid inclusion problems. <i>Journal of Elasticity</i> , 1995, 37, 93-111.	0.9	12
154	Lubrication Approximation in Particulate Solids. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 1995, 75, 563-565.	0.9	2
155	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.	1.0	153
156	Viscous Flows in Corrugated Pipes. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 1995, 75, 316-318.	0.9	4
157	Traction-based Completed Adjoint Double Layer Boundary Element Method in elasticity. <i>Computational Mechanics</i> , 1995, 16, 360-367.	2.2	6
158	Falling Needle Rheometry for General Viscoelastic Fluids. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 1994, 116, 619-624.	0.8	3
159	Materials With Negative Poisson's Ratio: A Qualitative Microstructural Model. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1994, 61, 1001-1004.	1.1	24
160	An explicit finite volume method for viscoelastic fluid flows. <i>Computational Mechanics</i> , 1994, 13, 443-457.	2.2	7
161	The load transfer between two rigid spherical inclusions in an elastic medium. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 1994, 45, 177-201.	0.7	13
162	Neural-network-based approximations for solving partial differential equations. <i>Communications in Numerical Methods in Engineering</i> , 1994, 10, 195-201.	1.3	261

#	ARTICLE	IF	CITATIONS
163	Near minimum-time positioning of a flexible beam. Zeitschrift Fur Angewandte Mathematik Und Physik, 1993, 44, 755-768.	0.7	2
164	Completed double layer boundary element method: a numerical implementation and some experimental results. Computational Mechanics, 1992, 10, 381-396.	2.2	4
165	Completed double layer in half-space: a boundary element method. Computational Mechanics, 1992, 9, 121-135.	2.2	28
166	Couette flow between corrugated cylinders. Zeitschrift Fur Angewandte Mathematik Und Physik, 1992, 43, 207-215.	0.7	3
167	Shear flow of periodic arrays of particle clusters: a boundary-element method. Journal of Fluid Mechanics Digital Archive, 1991, 228, 275.	0.6	5
168	An effective boundary element method for inhomogeneous partial differential equations. Zeitschrift Fur Angewandte Mathematik Und Physik, 1991, 42, 730-745.	0.7	22
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