

Kayvan Sadeghy

List of Publications by Year in descending order

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85
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#	ARTICLE	IF	CITATIONS
1	Peristaltic transport of elliptic particles: A numerical study. <i>Physics of Fluids</i> , 2022, 34, .	4.0	10
2	Corrigendum to "magnetohydrodynamic flow of Bingham fluids in a plane channel: A theoretical study". <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2022, 303, 104790.	2.4	0
3	Numerical simulation of viscoelastic effects in peristaltic transport of drops. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2022, 306, 104826.	2.4	1
4	On the use of viscous micropumps for transporting viscoelastic fluids in channel flows: A numerical study. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2021, 291, 104528.	2.4	7
5	Numerical analysis of laminar viscoelastic fluid hammer phenomenon in an axisymmetric pipe. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	1.6	2
6	Hydroelastic instability of viscoelastic fluids in developing flow through a compliant channel. <i>Korea Australia Rheology Journal</i> , 2020, 32, 99-119.	1.7	0
7	On the use of peristaltic waves for the transport of soft particles: A numerical study. <i>Physics of Fluids</i> , 2020, 32, .	4.0	11
8	Sedimentation of an elliptic rigid particle in a yield-stress fluid: A Lattice-Boltzmann simulation. <i>Physics of Fluids</i> , 2019, 31, .	4.0	15
9	Predicting the excess pressure drop incurred by LPTT fluids in flow through a planar constricted channel. <i>Korea Australia Rheology Journal</i> , 2019, 31, 149-166.	1.7	0
10	Magnetohydrodynamic flow of Bingham fluids in a plane channel: A theoretical study. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2019, 264, 1-18.	2.4	7
11	Buoyancy-driven exchange flow of immiscible yield-stress fluids in a vertical closed-ended container. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2019, 265, 79-91.	2.4	2
12	Peristaltic transport of thixotropic fluids: A numerical simulation. <i>Korea Australia Rheology Journal</i> , 2019, 31, 71-79.	1.7	4
13	Linear stability analysis of time-dependent fluids in plane Couette flow past a poroelastic layer. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2019, 266, 1-19.	2.4	3
14	Effect of porosity on the settling behavior of a 2D elliptic particle in a narrow vessel: A lattice-Boltzmann simulation. <i>Physics of Fluids</i> , 2019, 31, .	4.0	12
15	Peristaltic manipulation of a bio-particle contained in a closed cavity filled with a Bingham fluid: A numerical study. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2018, 252, 28-47.	2.4	3
16	On the use of a fluid's elasticity for deliberate rise of Taylor cells in a rotating micro-filter separator. <i>Physics of Fluids</i> , 2018, 30, .	4.0	5
17	On the use of biphasic mixture theory for investigating the linear stability of viscous flow through a channel lined with a viscoelastic porous bio-material. <i>International Journal of Non-Linear Mechanics</i> , 2018, 105, 200-211.	2.6	3
18	Effect of pillars on the mixing efficiency of a peristaltically-driven Bingham fluid within a closed channel: A LBM simulation. <i>Korea Australia Rheology Journal</i> , 2018, 30, 75-88.	1.7	2

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19	Pressure-driven flows of Quemada fluids in a channel lined with a poroelastic layer: A linear stability analysis. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2017, 242, 23-47.	2.4	6
20	On the use of Lattice-Boltzmann method for simulating peristaltic flow of viscoplastic fluids in a closed cavity. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2017, 243, 1-15.	2.4	7
21	Hydroelastic Instability of Viscoplastic Fluids in Plane Channel Flow. <i>Nihon Reoroji Gakkaishi</i> , 2016, 43, 157-164.	1.0	2
22	On the Use of Magnetic Fields for Controlling the Temperature of Hot Spots on Porous Plaques in Stenosis Arteries. <i>Nihon Reoroji Gakkaishi</i> , 2016, 43, 135-144.	1.0	5
23	Creeping flow of Herschel-Bulkley fluids in collapsible channels: A numerical study. <i>Korea Australia Rheology Journal</i> , 2016, 28, 255-265.	1.7	5
24	Flow of a Casson fluid through a locally-constricted porous channel: a numerical study. <i>Korea Australia Rheology Journal</i> , 2016, 28, 129-137.	1.7	9
25	Effect of non-affine motion on the centrifugal instability of circular Couette flow. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 230, 19-30.	2.4	0
26	Peristaltic transport of solid particles suspended in a viscoplastic fluid: A numerical study. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 236, 1-17.	2.4	7
27	The effect of thixotropy on a rising gas bubble: A numerical study. <i>Korea Australia Rheology Journal</i> , 2016, 28, 207-216.	1.7	9
28	Flow and displacement of waxy crude oils in a homogenous porous medium: A numerical study. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 235, 47-63.	2.4	7
29	Peristaltic flow of Bingham fluids at large Reynolds numbers: A numerical study. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 227, 30-44.	2.4	32
30	Linear stability of shear-thinning fluids in deformable channels: Effect of inertial terms. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 230, 80-91.	2.4	9
31	Viscous fingering in yield stress fluids: a numerical study. <i>Journal of Engineering Mathematics</i> , 2016, 97, 161-176.	1.2	17
32	Viscous Fingering of Thixotropic Fluids: a Linear Stability Analysis. <i>Nihon Reoroji Gakkaishi</i> , 2015, 43, 31-38.	1.0	5
33	On the Use of SPH Method for Simulating Gas Bubbles Rising in Viscoelastic Liquids. <i>Nihon Reoroji Gakkaishi</i> , 2015, 42, 309-319.	1.0	9
34	Two-phase viscous fingering of immiscible thixotropic fluids: A numerical study. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2015, 218, 40-52.	2.4	17
35	Taylor-Couette instability of thixotropic fluids. <i>Meccanica</i> , 2015, 50, 1451-1465.	2.0	5
36	Stability of power-law fluids in creeping plane Poiseuille: The effect of wall compliance. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2015, 216, 22-30.	2.4	11

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37	Sakiadis Flow of Harris Fluids: a Series-Solution. Nihon Reoroji Gakkaishi, 2014, 42, 245-253.	1.0	0
38	Simulating Bubble Shape during its Rise in Carreau-Yasuda Fluids Using WC-SPH Method. Nihon Reoroji Gakkaishi, 2014, 41, 319-329.	1.0	9
39	On the Validity of Boundary Layer Theory for Simulating von Karman Flows of Bingham Fluids. Nihon Reoroji Gakkaishi, 2014, 42, 161-167.	1.0	2
40	Dynamic of Gas Bubbles Surrounded by a Dullaert-Mewis Thixotropic Fluid. Nihon Reoroji Gakkaishi, 2014, 41, 309-318.	1.0	3
41	Peristaltic Flow of Giesekus Fluids through Curved Channels: an Approximate Solution. Nihon Reoroji Gakkaishi, 2014, 42, 9-17.	1.0	3
42	Resonance Frequency of Encapsulated Gas Bubbles in Thixotropic Fluids. Nihon Reoroji Gakkaishi, 2014, 42, 1-8.	1.0	1
43	Start-up flows of Dullaert-Mewis viscoplastic-thixoelectric fluids: A two-dimensional analysis. Journal of Non-Newtonian Fluid Mechanics, 2014, 214, 1-17.	2.4	6
44	The effect of a variable plastic viscosity on the restart problem of pipelines filled with gelled waxy crude oils. Journal of Non-Newtonian Fluid Mechanics, 2014, 205, 16-27.	2.4	46
45	Swirling flow of Bingham fluids above a rotating disk: An exact solution. Journal of Non-Newtonian Fluid Mechanics, 2013, 197, 41-47.	2.4	41
46	An exact solution for laminar, unidirectional flow of Houska thixotropic fluids in a circular pipe. Journal of Non-Newtonian Fluid Mechanics, 2013, 194, 23-31.	2.4	18
47	Translational Motion of Non-Spherical Cavitation Bubbles Collapsing in a Viscoelastic Fluid near a Rigid Boundary. Nihon Reoroji Gakkaishi, 2013, 41, 53-65.	1.0	0
48	Pulsatile Flow of Thixotropic Fluids through a Partially-Constricted Tube. Nihon Reoroji Gakkaishi, 2013, 41, 45-52.	1.0	10
49	On the use of lattice Boltzmann model for simulating dean flow of non-Newtonian fluids in curved square ducts. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 4250-4261.	3.3	2
50	Dynamics of Encapsulated Gas Bubbles Immersed in Thixotropic Fluids. Nihon Reoroji Gakkaishi, 2012, 40, 11-20.	1.0	3
51	Taylor-Couette Instability of Giesekus Fluids: Inertia Effects. Nihon Reoroji Gakkaishi, 2012, 40, 195-204.	1.0	4
52	Peristaltic Pumping of Thixotropic Fluids: a Numerical Study. Nihon Reoroji Gakkaishi, 2012, 40, 1-9.	1.0	9
53	Lubricating Flow of Thixotropic Fluids in Slipper-Pad Bearing: A Numerical Study. Nihon Reoroji Gakkaishi, 2011, 39, 153-158.	1.0	3
54	On the Use of Lattice-Boltzmann Model for Simulating Lid-Driven Cavity Flows of Strain-hardening Fluids. Nihon Reoroji Gakkaishi, 2011, 38, 201-207.	1.0	4

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55	Collapse of Cavitation Gas Bubbles in Giesekus Liquids. Nihon Reoroji Gakkaishi, 2011, 39, 55-64.	1.0	1
56	Blasius flow of thixotropic fluids: A numerical study. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 711-721.	3.3	23
57	Instability of Bingham fluids in Taylorâ€œDean flow between two concentric cylinders at arbitrary gap spacings. International Journal of Non-Linear Mechanics, 2011, 46, 931-937.	2.6	10
58	Taylorâ€œDean instability of yield-stress fluids at large gaps. Journal of Non-Newtonian Fluid Mechanics, 2011, 166, 607-613.	2.4	3
59	The Rise of Second Harmonics in Forced Oscillation of Gas Bubbles in Thixotropic Fluids. Nihon Reoroji Gakkaishi, 2011, 39, 113-117.	1.0	4
60	Chaotic behavior of a single spherical gas bubble surrounded by a Giesekus liquid: A numerical study. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 800-811.	2.4	17
61	On the use of genetic algorithm for finding the neutral instability curve in plane Poiseuille flow. International Journal of Non-Linear Mechanics, 2010, 45, 691-698.	2.6	1
62	Simulating the Flow of a Thixotropic Fluid above a Fixed Plate at Arbitrary Reynolds Numbers. Nihon Reoroji Gakkaishi, 2010, 38, 109-116.	1.0	1
63	Dean Instability of Bingham Fluids in Tangential Flow between Two Fixed Concentric Cylinders. Nihon Reoroji Gakkaishi, 2010, 38, 125-132.	1.0	6
64	Hydromagnetic Instability of Viscoelastic Fluids in Blasius Flow. Nihon Reoroji Gakkaishi, 2009, 37, 173-180.	1.0	2
65	MHD flows of UCM fluids above porous stretching sheets using two-auxiliary-parameter homotopy analysis method. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 473-488.	3.3	59
66	Hydromagnetic linear instability analysis of Giesekus fluids in plane Poiseuille flow. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 2046-2055.	3.3	5
67	The influence of thermal radiation on MHD flow of Maxwellian fluids above stretching sheets. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 779-794.	3.3	110
68	On the use of homotopy analysis method for solving unsteady MHD flow of Maxwellian fluids above impulsively stretching sheets. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 1355-1365.	3.3	51
69	Cavity flow simulation of Carreauâ€œYasuda non-Newtonian fluids using PIM meshfree method. Applied Mathematical Modelling, 2009, 33, 4131-4145.	4.2	34
70	CREEPING FLOW OF VISCOELASTIC FLUIDS THROUGH TAPERED SLIT DIES: AN ANALYTICAL SOLUTION. Chemical Engineering Communications, 2009, 197, 466-480.	2.6	2
71	Confined Swirling Flows of Simplified Phan-Thien-Tanner (SPTT) Fluids: a Numerical Study. Nihon Reoroji Gakkaishi, 2009, 37, 149-157.	1.0	3
72	On the Role Played by the Extensional Behavior of Giesekus Fluids in Plane Stagnation Flow. Nihon Reoroji Gakkaishi, 2009, 37, 31-38.	1.0	3

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73	MHD Flow of Power-Law Fluids in Locally-Constricted Channels. Nihon Reoroji Gakkaishi, 2009, 37, 181-189.	1.0	2
74	On the use of characteristic-based split meshfree method for solving flow problems. International Journal for Numerical Methods in Fluids, 2008, 56, 1885-1907.	1.6	12
75	Simulating drag reduction phenomenon in turbulent pipe flows. Mechanics Research Communications, 2008, 35, 609-613.	1.8	13
76	Using Mesh Free Method for Numerical Simulation of Non-Newtonian Fluid Flow Over a Step. Nihon Reoroji Gakkaishi, 2008, 36, 19-27.	1.0	3
77	On the Use of Inverse Methods to Parameter Estimation in Turbulent Pipe Flows of Drag Reducing Polymers. Nihon Reoroji Gakkaishi, 2008, 36, 241-251.	1.0	1
78	LID-DRIVEN CAVITY SIMULATION BY MESH-FREE METHOD. International Journal of Computational Methods, 2007, 04, 397-415.	1.3	1
79	Magnetohydrodynamic (MHD) flows of viscoelastic fluids in converging/diverging channels. International Journal of Engineering Science, 2007, 45, 923-938.	5.0	51
80	Translational motion of spherical gas bubbles in viscoelastic liquids subject to acoustic standing wave fields. Central South University, 2007, 14, 82-89.	0.5	1
81	Stagnation-point flow of upper-convected Maxwell fluids. International Journal of Non-Linear Mechanics, 2006, 41, 1242-1247.	2.6	129
82	Sakiadis flow of an upper-convected Maxwell fluid. International Journal of Non-Linear Mechanics, 2005, 40, 1220-1228.	2.6	129
83	Local similarity solution for the flow of a second-grade viscoelastic fluid above a moving plate. International Journal of Non-Linear Mechanics, 2004, 39, 1265-1273.	2.6	84
84	Elasticity of associative polymer solutions and slip at high shear stress. Journal of Non-Newtonian Fluid Mechanics, 2000, 90, 127-158.	2.4	30
85	On the Role Played by Extensional Viscosity in Peristaltic Transport of Circular Solid Particles Suspended in Oldroyd-B Liquids. Physics of Fluids, 0, , .	4.0	2