

Kayvan Sadeghy

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84
papers

921
citations

15
h-index

27
g-index

86
ext. papers

1,029
ext. citations

2.2
avg. IF

4.53
L-index

#	Paper	IF	Citations
84	Sakiadis flow of an upper-convected Maxwell fluid. <i>International Journal of Non-Linear Mechanics</i> , 2005 , 40, 1220-1228	2.8	103
83	Stagnation-point flow of upper-convected Maxwell fluids. <i>International Journal of Non-Linear Mechanics</i> , 2006 , 41, 1242-1247	2.8	98
82	The influence of thermal radiation on MHD flow of Maxwellian fluids above stretching sheets. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009 , 14, 779-794	3.7	79
81	Local similarity solution for the flow of a second-grade viscoelastic fluid above a moving plate. <i>International Journal of Non-Linear Mechanics</i> , 2004 , 39, 1265-1273	2.8	65
80	MHD flows of UCM fluids above porous stretching sheets using two-auxiliary-parameter homotopy analysis method. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009 , 14, 473-488	3.7	46
79	On the use of homotopy analysis method for solving unsteady MHD flow of Maxwellian fluids above impulsively stretching sheets. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009 , 14, 1355-1365	3.7	42
78	The effect of a variable plastic viscosity on the restart problem of pipelines filled with gelled waxy crude oils. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2014 , 205, 16-27	2.7	38
77	Swirling flow of Bingham fluids above a rotating disk: An exact solution. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2013 , 197, 41-47	2.7	34
76	Magnetohydrodynamic (MHD) flows of viscoelastic fluids in converging/diverging channels. <i>International Journal of Engineering Science</i> , 2007 , 45, 923-938	5.7	29
75	Elasticity of associative polymer solutions and slip at high shear stress. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2000 , 90, 127-158	2.7	27
74	Cavity flow simulation of Carreau-Yasuda non-Newtonian fluids using PIM meshfree method. <i>Applied Mathematical Modelling</i> , 2009 , 33, 4131-4145	4.5	26
73	Peristaltic flow of Bingham fluids at large Reynolds numbers: A numerical study. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016 , 227, 30-44	2.7	25
72	Blasius flow of thixotropic fluids: A numerical study. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011 , 16, 711-721	3.7	16
71	Chaotic behavior of a single spherical gas bubble surrounded by a Giesekus liquid: A numerical study. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010 , 165, 800-811	2.7	16
70	Viscous fingering in yield stress fluids: a numerical study. <i>Journal of Engineering Mathematics</i> , 2016 , 97, 161-176	1.2	15
69	An exact solution for laminar, unidirectional flow of Houska thixotropic fluids in a circular pipe. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2013 , 194, 23-31	2.7	15
68	Two-phase viscous fingering of immiscible thixotropic fluids: A numerical study. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2015 , 218, 40-52	2.7	14

67	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	2.7	11
66	Instability of Bingham fluids in Taylor-Dean flow between two concentric cylinders at arbitrary gap spacings. <i>International Journal of Non-Linear Mechanics</i> , 2011 , 46, 931-937	2.8	10
65	On the use of characteristic-based split meshfree method for solving flow problems. <i>International Journal for Numerical Methods in Fluids</i> , 2008 , 56, 1885-1907	1.9	10
64	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	2.7	9
63	Sedimentation of an elliptic rigid particle in a yield-stress fluid: A Lattice-Boltzmann simulation. <i>Physics of Fluids</i> , 2019 , 31, 081902	4.4	9
62	Simulating Bubble Shape during its Rise in Carreau-Yasuda Fluids Using WC-SPH Method. <i>Nihon Reorji Gakkaishi</i> , 2014 , 41, 319-329	0.8	8
61	Simulating drag reduction phenomenon in turbulent pipe flows. <i>Mechanics Research Communications</i> , 2008 , 35, 609-613	2.2	8
60	Flow of a Casson fluid through a locally-constricted porous channel: a numerical study 2016 , 28, 129-137		8
59	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, 123301	4.4	8
58	On the use of peristaltic waves for the transport of soft particles: A numerical study. <i>Physics of Fluids</i> , 2020 , 32, 062108	4.4	7
57	Pulsatile Flow of Thixotropic Fluids through a Partially-Constricted Tube. <i>Nihon Reorji Gakkaishi</i> , 2013 , 41, 45-52	0.8	7
56	The effect of thixotropy on a rising gas bubble: A numerical study 2016 , 28, 207-216		6
55	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	2.7	6
54	Start-up flows of Dullaert-Mewis viscoplastic-thixoeleastic fluids: A two-dimensional analysis. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2014 , 214, 1-17	2.7	6
53	On the Use of SPH Method for Simulating Gas Bubbles Rising in Viscoelastic Liquids. <i>Nihon Reorji Gakkaishi</i> , 2015 , 42, 309-319	0.8	6
52	Peristaltic Pumping of Thixotropic Fluids: a Numerical Study. <i>Nihon Reorji Gakkaishi</i> , 2012 , 40, 1-9	0.8	6
51	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	2.7	5
50	Taylor-Couette instability of thixotropic fluids. <i>Meccanica</i> , 2015 , 50, 1451-1465	2.1	5

49	Dean Instability of Bingham Fluids in Tangential Flow between Two Fixed Concentric Cylinders. <i>Nihon Reoroji Gakkaishi</i> , 2010 , 38, 125-132	0.8	5
48	Hydromagnetic linear instability analysis of Giesekus fluids in plane Poiseuille flow. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009 , 14, 2046-2055	3.7	5
47	Creeping flow of Herschel-Bulkley fluids in collapsible channels: A numerical study 2016 , 28, 255-265		5
46	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	2.7	4
45	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	0.8	4
44	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	2.7	4
43	Taylor-Couette Instability of Giesekus Fluids: Inertia Effects. <i>Nihon Reoroji Gakkaishi</i> , 2012 , 40, 195-204	0.8	4
42	On the Use of Lattice-Boltzmann Model for Simulating Lid-Driven Cavity Flows of Strain-hardening Fluids. <i>Nihon Reoroji Gakkaishi</i> , 2011 , 38, 201-207	0.8	4
41	The Rise of Second Harmonics in Forced Oscillation of Gas Bubbles in Thixotropic Fluids. <i>Nihon Reoroji Gakkaishi</i> , 2011 , 39, 113-117	0.8	4
40	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, 114106	4.4	4
39	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	2.7	3
38	Viscous Fingering of Thixotropic Fluids: a Linear Stability Analysis. <i>Nihon Reoroji Gakkaishi</i> , 2015 , 43, 31-38.8		3
37	Peristaltic Flow of Giesekus Fluids through Curved Channels: an Approximate Solution. <i>Nihon Reoroji Gakkaishi</i> , 2014 , 42, 9-17	0.8	3
36	Dynamics of Encapsulated Gas Bubbles Immersed in Thixotropic Fluids. <i>Nihon Reoroji Gakkaishi</i> , 2012 , 40, 11-20	0.8	3
35	Taylor-Dean instability of yield-stress fluids at large gaps. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2011 , 166, 607-613	2.7	3
34	Peristaltic transport of elliptic particles: A numerical study. <i>Physics of Fluids</i> , 2022 , 34, 023314	4.4	3
33	Using Mesh Free Method for Numerical Simulation of Non-Newtonian Fluid Flow Over a Step. <i>Nihon Reoroji Gakkaishi</i> , 2008 , 36, 19-27	0.8	3
32	Confined Swirling Flows of Simplified Phan-Thien-Tanner (SPTT) Fluids: a Numerical Study. <i>Nihon Reoroji Gakkaishi</i> , 2009 , 37, 149-157	0.8	3

31	Magnetohydrodynamic flow of Bingham fluids in a plane channel: A theoretical study. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2019 , 264, 1-18	2.7	2
30	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	2.7	2
29	Peristaltic transport of thixotropic fluids: A numerical simulation 2019 , 31, 71-79		2
28	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	2.7	2
27	Hydroelastic Instability of Viscoplastic Fluids in Plane Channel Flow. <i>Nihon Reoroji Gakkaishi</i> , 2016 , 43, 157-164	0.8	2
26	Dynamic of Gas Bubbles Surrounded by a Dullaert-Mewis Thixotropic Fluid. <i>Nihon Reoroji Gakkaishi</i> , 2014 , 41, 309-318	0.8	2
25	CREEPING FLOW OF VISCOELASTIC FLUIDS THROUGH TAPERED SLIT DIES: AN ANALYTICAL SOLUTION. <i>Chemical Engineering Communications</i> , 2009 , 197, 466-480	2.2	2
24	Hydromagnetic Instability of Viscoelastic Fluids in Blasius Flow. <i>Nihon Reoroji Gakkaishi</i> , 2009 , 37, 173-180.8		2
23	On the Role Played by the Extensional Behavior of Giesekus Fluids in Plane Stagnation Flow. <i>Nihon Reoroji Gakkaishi</i> , 2009 , 37, 31-38	0.8	2
22	Effect of pillars on the mixing efficiency of a peristaltically-driven Bingham fluid within a closed channel: A LBM simulation 2018 , 30, 75-88		1
21	On the Validity of Boundary Layer Theory for Simulating von Karman Flows of Bingham Fluids. <i>Nihon Reoroji Gakkaishi</i> , 2014 , 42, 161-167	0.8	1
20	Resonance Frequency of Encapsulated Gas Bubbles in Thixotropic Fluids. <i>Nihon Reoroji Gakkaishi</i> , 2014 , 42, 1-8	0.8	1
19	On the use of lattice Boltzmann model for simulating dean flow of non-Newtonian fluids in curved square ducts. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 4250-4261	3.7	1
18	Lubricating Flow of Thixotropic Fluids in Slipper-Pad Bearing: A Numerical Study. <i>Nihon Reoroji Gakkaishi</i> , 2011 , 39, 153-158	0.8	1
17	Simulating the Flow of a Thixotropic Fluid above a Fixed Plate at Arbitrary Reynolds Numbers. <i>Nihon Reoroji Gakkaishi</i> , 2010 , 38, 109-116	0.8	1
16	On the use of genetic algorithm for finding the neutral instability curve in plane Poiseuille flow. <i>International Journal of Non-Linear Mechanics</i> , 2010 , 45, 691-698	2.8	1
15	LID-DRIVEN CAVITY SIMULATION BY MESH-FREE METHOD. <i>International Journal of Computational Methods</i> , 2007 , 04, 397-415	1.1	1
14	On the Use of Inverse Methods to Parameter Estimation in Turbulent Pipe Flows of Drag Reducing Polymers. <i>Nihon Reoroji Gakkaishi</i> , 2008 , 36, 241-251	0.8	1

13	MHD Flow of Power-Law Fluids in Locally-Constricted Channels. <i>Nihon Reoroji Gakkaishi</i> , 2009 , 37, 181-188	0.8	1
12	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	2.7	1
11	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	2.8	1
10	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	2	0
9	Predicting the excess pressure drop incurred by LPTT fluids in flow through a planar constricted channel 2019 , 31, 149-166		
8	Hydroelastic instability of viscoelastic fluids in developing flow through a compliant channel 2020 , 32, 99-119		
7	Sakiadis Flow of Harris Fluids: a Series-Solution. <i>Nihon Reoroji Gakkaishi</i> , 2014 , 42, 245-253	0.8	
6	Translational Motion of Non-Spherical Cavitation Bubbles Collapsing in a Viscoelastic Fluid near a Rigid Boundary. <i>Nihon Reoroji Gakkaishi</i> , 2013 , 41, 53-65	0.8	
5	Collapse of Cavitation Gas Bubbles in Giesekus Liquids. <i>Nihon Reoroji Gakkaishi</i> , 2011 , 39, 55-64	0.8	
4	Translational motion of spherical gas bubbles in viscoelastic liquids subject to acoustic standing wave fields. <i>Central South University</i> , 2007 , 14, 82-89		
3	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	2.7	
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	2.7	
1	Numerical Simulation of Viscoelastic Effects in Peristaltic Transport of Drops. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2022 , 104826	2.7	