

Mohammad Pourjafar

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

94
citations

1478505

6
h-index

1474206

9
g-index

17
all docs

17
docs citations

17
times ranked

73
citing authors

#	ARTICLE	IF	CITATIONS
1	Peristaltic transport of elliptic particles: A numerical study. <i>Physics of Fluids</i> , 2022, 34, .	4.0	10
2	Numerical simulation of viscoelastic effects in peristaltic transport of drops. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2022, 306, 104826.	2.4	1
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	Stability of Thixotropic Fluids in Pipe Flow. <i>Scientia Iranica</i> , 2017, .	0.4	5
12	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
13	Unsteady Helical Flow of Giesekus Viscoelastic Fluid between Two Concentric Cylinders. <i>Nihon Reoroji Gakkaishi</i> , 2015, 42, 297-307.	1.0	2
14	Taylor's Couette instability of thixotropic fluids. <i>Meccanica</i> , 2015, 50, 1451-1465.	2.0	5
15	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
16	Taylor-Couette Instability of Giesekus Fluids: Inertia Effects. <i>Nihon Reoroji Gakkaishi</i> , 2012, 40, 195-204.	1.0	4
17	Dean instability of Giesekus fluids in azimuthal flow between two fixed, infinitely-long, concentric cylinders at arbitrary gap spacings. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2012, 177-178, 54-63.	2.4	5