Mohammad Pourjafar

List of Publications by Year
in descending order

17	94	1478505	1474206
papers	citations	6	9
		h-index	g-index

17	17	17	73
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stability of power-law fluids in creeping plane Poiseuille: The effect of wall compliance. Journal of Non-Newtonian Fluid Mechanics, 2015, 216, 22-30.	2.4	11
2	On the use of peristaltic waves for the transport of soft particles: A numerical study. Physics of Fluids, 2020, 32, .	4.0	11
3	Peristaltic transport of elliptic particles: A numerical study. Physics of Fluids, 2022, 34, .	4.0	10
4	Linear stability of shear-thinning fluids in deformable channels: Effect of inertial terms. Journal of Non-Newtonian Fluid Mechanics, 2016, 230, 80-91.	2.4	9
5	Magnetohydrodynamic flow of Bingham fluids in a plane channel: A theoretical study. Journal of Non-Newtonian Fluid Mechanics, 2019, 264, 1-18.	2.4	7
6	On the use of viscous micropumps for transporting viscoelastic fluids in channel flows: A numerical study. Journal of Non-Newtonian Fluid Mechanics, 2021, 291, 104528.	2.4	7
7	Pressure-driven flows of Quemada fluids in a channel lined with a poroelastic layer: A linear stability analysis. Journal of Non-Newtonian Fluid Mechanics, 2017, 242, 23-47.	2.4	6
8	Dean instability of Giesekus fluids in azimuthal flow between two fixed, infinitely-long, concentric cylinders at arbitrary gap spacings. Journal of Non-Newtonian Fluid Mechanics, 2012, 177-178, 54-63.	2.4	5
9	Taylor–Couette instability of thixotropic fluids. Meccanica, 2015, 50, 1451-1465.	2.0	5
10	On the use of a fluid's elasticity for deliberate rise of Taylor cells in a rotating micro-filter separator. Physics of Fluids, 2018, 30, .	4.0	5
11	Stability of Thixotropic Fluids in Pipe Flow. Scientia Iranica, 2017, .	0.4	5
12	Taylor-Couette Instability of Giesekus Fluids: Inertia Effects. Nihon Reoroji Gakkaishi, 2012, 40, 195-204.	1.0	4
13	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. International Journal of Non-Linear Mechanics, 2018, 105, 200-211.	2.6	3
14	Linear stability analysis of time-dependent fluids in plane Couette flow past a poroelastic layer. Journal of Non-Newtonian Fluid Mechanics, 2019, 266, 1-19.	2.4	3
15	Unsteady Helical Flow of Giesekus Viscoelastic Fluid between Two Concentric Cylinders. Nihon Reoroji Gakkaishi, 2015, 42, 297-307.	1.0	2
16	Numerical simulation of viscoelastic effects in peristaltic transport of drops. Journal of Non-Newtonian Fluid Mechanics, 2022, 306, 104826.	2.4	1
17	Hydroelastic instability of viscoelastic fluids in developing flow through a compliant channel. Korea Australia Rheology Journal, 2020, 32, 99-119.	1.7	0