An-Cheng Ruo

List of Publications by Year
in descending order

13 papers	257 citations	933447 10 h-index	1125743 13 g-index
16 all docs	16 docs citations	16 times ranked	212 citing authors

#	Article	IF	Citations
1	Effect of rotation on the electrohydrodynamic instability of a fluid layer with an electrical conductivity gradient. Physics of Fluids, 2010, 22, .	4.0	32
2	Instability of a charged non-Newtonian liquid jet. Physical Review E, 2012, 85, 016306.	2.1	31
3	Three-dimensional response of unrelaxed tension to instability of viscoelastic jets. Journal of Fluid Mechanics, 2011, 682, 558-576.	3.4	29
4	Discretized modeling for centrifugal spinning of viscoelastic liquids. Journal of Non-Newtonian Fluid Mechanics, 2017, 247, 62-77.	2.4	29
5	The jetting behavior of viscoelastic Boger fluids during centrifugal spinning. Physics of Fluids, 2015, 27, .	4.0	27
6	Effect of flow structure at the onset of instability on barium sulfate precipitation in Taylor–Couette crystallizers. Journal of Crystal Growth, 2013, 373, 20-31.	1.5	21
7	On the nonaxisymmetric instability of round liquid jets. Physics of Fluids, 2008, 20, .	4.0	20
8	Electrohydrodynamic instability in a horizontal fluid layer with electrical conductivity gradient subject to a weak shear flow. Journal of Fluid Mechanics, 2009, 634, 191.	3.4	20
9	Electrohydrodynamic instability of a charged liquid jet in the presence of an axial magnetic field. Physics of Fluids, 2010, 22, .	4.0	18
10	Linear instability of compound jets with nonaxisymmetric disturbances. Physics of Fluids, 2009, 21, 012101.	4.0	16
11	The effect of Joule-heating-induced buoyancy on the electrohydrodynamic instability in a fluid layer with electrical conductivity gradient. International Journal of Heat and Mass Transfer, 2011, 54, 3837-3845.	4.8	10
12	The onset of natural convection in a horizontal nanofluid layer heated from below. Heat Transfer, 2021, 50, 7764-7783.	3.0	3
13	Modified shallow water equations for inviscid gravity currents. Physical Review E, 2007, 75, 026302.	2.1	1