

Amir Alizadeh Pahlavan

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

758
citations

471509

17
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

839
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Signatures of fluid–fluid displacement in porous media: wettability, patterns and pressures. Journal of Fluid Mechanics, 2019, 875, .	3.4	72
3	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
4	Towards improved social distancing guidelines: Space and time dependence of virus transmission from speech-driven aerosol transport between two individuals. Physical Review Fluids, 2020, 5, .	2.5	56
5	Forced Wetting Transition and Bubble Pinch-Off in a Capillary Tube. Physical Review Letters, 2018, 120, 084501.	7.8	52
6	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
7	Effect of solid properties on slip at a fluid-solid interface. Physical Review E, 2011, 83, 021602.	2.1	47
8	Wettability and Lenormand's diagram. Journal of Fluid Mechanics, 2021, 923, .	3.4	47
9	Chemotaxis under flow disorder shapes microbial dispersion in porous media. Nature Physics, 2021, 17, 68-73.	16.7	46
10	Thin films in partial wetting: stability, dewetting and coarsening. Journal of Fluid Mechanics, 2018, 845, 642-681.	3.4	41
11	Instability regimes in flowing suspensions of swimming micro-organisms. Physics of Fluids, 2011, 23, .	4.0	28
12	Evaporation of Binary-Mixture Liquid Droplets: The Formation of Picoliter Pancakelike Shapes. Physical Review Letters, 2021, 127, 024501.	7.8	27
13	Thin Films in Partial Wetting: Internal Selection of Contact-Line Dynamics. Physical Review Letters, 2015, 115, 034502.	7.8	22
14	Chaotic dynamics and oxygen transport in thin films of aerotactic bacteria. Physics of Fluids, 2012, 24, .	4.0	21
15	On the analytical solution of viscous fluid flow past a flat plate. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 3678-3682.	2.1	20
16	Restoring universality to the pinch-off of a bubble. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13780-13784.	7.1	18
17	Particle motion nearby rough surfaces. Physical Review Fluids, 2020, 5, .	2.5	17
18	Characterizing Dissipation in Fluid-Fluid Displacement Using Constant-Rate Spontaneous Imbibition. Physical Review Letters, 2020, 125, 174503.	7.8	10

#	ARTICLE	IF	CITATIONS
19	Spin coating of capillary tubes. Journal of Fluid Mechanics, 2020, 886, .	3.4	8
20	Forced Imbibition in Stratified Porous Media. Physical Review Applied, 2020, 14, .	3.8	5
21	Symmetry breaking of a parallel two-phase flow in a finite length channel. Physical Review Fluids, 2022, 7, .	2.5	1