

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	Symmetry breaking of a parallel two-phase flow in a finite length channel. <i>Physical Review Fluids</i> , 2022, 7, .	2.5	1
2	Chemotaxis under flow disorder shapes microbial dispersion in porous media. <i>Nature Physics</i> , 2021, 17, 68-73.	16.7	46
3	Evaporation of Binary-Mixture Liquid Droplets: The Formation of Picoliter Pancakelike Shapes. <i>Physical Review Letters</i> , 2021, 127, 024501.	7.8	27
4	Wettability and Lenormand's diagram. <i>Journal of Fluid Mechanics</i> , 2021, 923, .	3.4	47
5	Characterizing Dissipation in Fluid-Fluid Displacement Using Constant-Rate Spontaneous Imbibition. <i>Physical Review Letters</i> , 2020, 125, 174503.	7.8	10
6	Forced Imbibition in Stratified Porous Media. <i>Physical Review Applied</i> , 2020, 14, .	3.8	5
7	Spin coating of capillary tubes. <i>Journal of Fluid Mechanics</i> , 2020, 886, .	3.4	8
8	Particle motion nearby rough surfaces. <i>Physical Review Fluids</i> , 2020, 5, .	2.5	17
9	Towards improved social distancing guidelines: Space and time dependence of virus transmission from speech-driven aerosol transport between two individuals. <i>Physical Review Fluids</i> , 2020, 5, .	2.5	56
10	Signatures of fluid-fluid displacement in porous media: wettability, patterns and pressures. <i>Journal of Fluid Mechanics</i> , 2019, 875, .	3.4	72
11	Restoring universality to the pinch-off of a bubble. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13780-13784.	7.1	18
12	Forced Wetting Transition and Bubble Pinch-Off in a Capillary Tube. <i>Physical Review Letters</i> , 2018, 120, 084501.	7.8	52
13	Thin films in partial wetting: stability, dewetting and coarsening. <i>Journal of Fluid Mechanics</i> , 2018, 845, 642-681.	3.4	41
14	Thin Films in Partial Wetting: Internal Selection of Contact-Line Dynamics. <i>Physical Review Letters</i> , 2015, 115, 034502.	7.8	22
15	Chaotic dynamics and oxygen transport in thin films of aerotactic bacteria. <i>Physics of Fluids</i> , 2012, 24, .	4.0	21
16	Effect of solid properties on slip at a fluid-solid interface. <i>Physical Review E</i> , 2011, 83, 021602.	2.1	47
17	Instability regimes in flowing suspensions of swimming micro-organisms. <i>Physics of Fluids</i> , 2011, 23, .	4.0	28
18	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.	3.3	59

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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