

# Amlan K Barua

## List of Publications by Year in descending order

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8  
papers

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1478505

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#	ARTICLE	IF	CITATIONS
1	Thermocapillary instability on a film falling down a non-uniformly heated slippery incline. International Journal of Non-Linear Mechanics, 2021, 133, 103718.	2.6	27
2	Stability of thin film flowing down the outer surface of a rotating non-uniformly heated vertical cylinder. Nonlinear Dynamics, 2020, 100, 1143-1172.	5.2	17
3	Weakly viscoelastic film on a slippery slope. Physics of Fluids, 2021, 33, .	4.0	17
4	Effect of odd-viscosity on the dynamics and stability of a thin liquid film flowing down on a vertical moving plate. International Journal of Non-Linear Mechanics, 2022, 140, 103905.	2.6	14
5	Stability of thin liquid film flowing down a rotating horizontal or inclined plane by momentum-integral method. European Journal of Mechanics, B/Fluids, 2019, 75, 58-70.	2.5	8
6	A Review on Hydrodynamical Stability of Thin Film Flowing Along an Inclined Plane. Journal of Mathematical Sciences and Modelling, 2019, 2, 133-142.	0.3	8
7	A boundary integral method to investigate pattern formation in a rotating Hele-Shaw cell with time dependent gap. Computers and Mathematics With Applications, 2022, 118, 36-45.	2.7	2
8	A boundary integral method for computing the dynamics of rigid particles in unsteady Stokes and viscoelastic medium. Journal of Engineering Mathematics, 2021, 128, 1.	1.2	1