

Listă de lucrări



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- 2024 I. Rasuceanu, C. Patrascu. Capillary flow of two immiscible liquids initially separated by a Taylor gas bubble. *Physics of Fluids*, **36**(1)
- 2024 C. Patrascu, *Dinamica fluidelor în sisteme biologice*. Politehnica Press, București, 2024.
- 2024 C. Patrascu, *Procese de transport prin capilaritate*. Politehnica Press, București, 2024
- 2022 C. Patrascu, I. Rasuceanu. Capillary flow of water in tubes partially prefilled with oil. *Physical Review Fluids*, **7**(11), 114001
- 2022 C. Patrascu, C. Balan. Dispersion relations, capillary waves, and the Rayleigh-Plateau instability. *INCAS Bulletin*, **14**(2), 75-85.
- 2022 D. Broboana, D.A. Bratu, I. Magos, C. Patrascu, C. Balan. Kinematics of the viscous filament during the droplet breakup in air. *Scientific Reports*, **12**(1), 1774.
- 2021 C. Patrascu, C. Balan, Planar liquid sheets surrounded by another immiscible liquid at low capillary Reynolds numbers, *Physics of Fluids*, **33**(11), p. 112103
- 2021 C. Patrascu, C. Balan. Decay of standing capillary waves on impinging liquid jets. *Physics of Fluids* **33**(2), p. 022109

- 2020 C. Patrascu, C. Balan. The effect of curvature elasticity on Rayleigh–Plateau instability. *European Journal of Mechanics-B/Fluids*, **80**, pp. 167-173
- 2019 C. Patrascu, C. Balan. Prediction and measurement of the fastest-growing mode in two-liquid systems. *Physics of Fluids*, **31**(8), p. 083106
- 2019 C. Patrascu, C. Balan. The stabilizing effect of confinement on a liquid jet in a viscous outer fluid. *University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics*, **81**(3) pp. 85-94

