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Ph.D. Student in Mechanical Engineering, admitted Autumn 2019

Publications

PUBLICATIONS

- **Hydrodynamic dissection of *Stentor coeruleus* in a microfluidic cross junction.** *Lab on a chip*
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- **Microfluidic Surgery in Single Cells and Multicellular Systems.** *Chemical reviews*
Zhang, K. S., Nadkarni, A. V., Paul, R., Martin, A. M., Tang, S. K.
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- **Fomite Transmission, Physicochemical Origin of Virus-Surface Interactions, and Disinfection Strategies for Enveloped Viruses with Applications to SARS-CoV-2.** *ACS omega*
Castano, N., Cordts, S. C., Kurosu Jalil, M., Zhang, K. S., Koppaka, S., Bick, A. D., Paul, R., Tang, S. K.
2021; 6 (10): 6509–27
- **Electrokinetics of non-Newtonian fluids in poly-electrolyte grafted nanochannels: Effects of ion-partitioning and confinement** *JOURNAL OF NON-NEWTONIAN FLUID MECHANICS*
Paul, R., Maity, D., Agrawal, P., Bandopadhyay, A., Chakraborty, S.
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- **Reply to the comment on "Rivalry in *Bacillus subtilis* colonies: enemy or family?"** *Soft matter*
Paul, R., Ghosh, T., Tang, T., Kumar, A.
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- **Rivalry in *Bacillus subtilis* colonies: enemy or family?** *Soft matter*
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2019; 15 (27): 5400-5411
- **An Experimental Study of the Electrohydrodynamic Characteristics of Sedimenting Drops Under Uniform Alternating Electric Fields**
Paul, R., Kumar, G., Mandal, S., Kishore, N. K., Pramanik, S., Chakraborty, S.
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