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Ph.D. Student in Mechanical Engineering, admitted Autumn 2020

Publications

PUBLICATIONS

- **High-Performance Lithium-Sulfur Batteries via Molecular Complexation.** *Journal of the American Chemical Society*
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- **HOMO-LUMO gaps of large polycyclic aromatic hydrocarbons and their implication on the quantum confinement behavior of flame-formed carbon nanoparticles** *PROCEEDINGS OF THE COMBUSTION INSTITUTE*
Kateris, N., Jayaraman, A. S., Wang, H.
2023; 39 (1): 1069-1077
- **Approximate solutions of the advection diffusion equation for spatially variable flows** *PHYSICS OF FLUIDS*
Sun, Y., Jayaraman, A. S., Chirikjian, G. S.
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- **Lie group solutions of advection-diffusion equations** *PHYSICS OF FLUIDS*
Sun, Y., Jayaraman, A., Chirikjian, G. S.
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- **Black-Scholes Theory and Diffusion Processes on the Cotangent Bundle of the Affine Group** *ENTROPY*
Jayaraman, A. S., Campolo, D., Chirikjian, G. S.
2020; 22 (4)
- **The unusual fluid dynamics of particle electrophoresis** *JOURNAL OF COLLOID AND INTERFACE SCIENCE*
Jayaraman, A. S., Klaseboer, E., Chan, D. C.
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