

List of publications

Prabha Chuphal

1. Diffusiophoretically induced interactions between chemically active and inert particles. *Soft Matter*, 14, 6043, 2018 (<https://pubs.rsc.org/en/content/articlepdf/2018/sm/c8sm01102h>)
2. Chemical micromotors self-assemble and self-propel by spontaneous symmetry breaking. *Chem. Commun.*, 54, 11933, 2018 (<https://pubs.rsc.org/en/content/articlepdf/2018/cc/c8cc06467a>)
3. Dynamics of diffusiophoretic vesicle under external shear flow. *J. Chem. Phys.* 151, 000000, 2019 (<https://aip.scitation.org/doi/full/10.1063/1.5112808>)
4. Colloidal chemotaxis and a biased random walk model with finite mean first passage time. *EPL*, 128, 20001, 2019 (<https://iopscience.iop.org/article/10.1209/0295-5075/128/20001>)
5. Formation of self-propelling clusters starting from randomly dispersed Brownian particles. *Bulletin of Materials Science* 43, 183, 2020 (<https://link.springer.com/article/10.1007/s12034-020-02108-4>)
6. Effect of Poiseuille flow on the dynamics of active vesicle (Under review in *Soft Materials*)