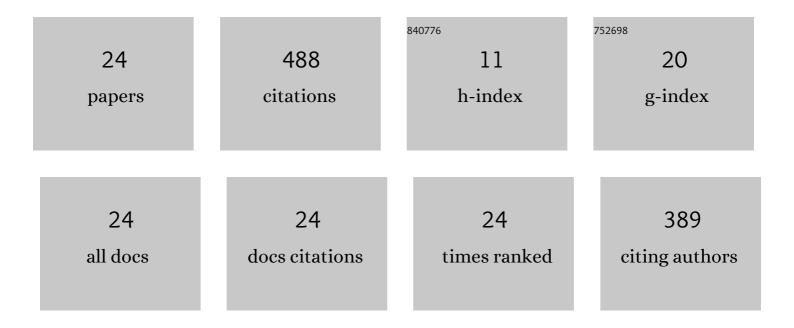
Vikram Jadhao

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Simulation of Charged Systems in Heterogeneous Dielectric Media via a True Energy Functional. Physical Review Letters, 2012, 109, 223905. | 7.8 | 68 |
| 2 | Probing large viscosities in glass-formers with nonequilibrium simulations. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7952-7957. | 7.1 | 60 |
| 3 | lonic structure in liquids confined by dielectric interfaces. Journal of Chemical Physics, 2015, 143, 194508. | 3.0 | 50 |
| 4 | A variational formulation of electrostatics in a medium with spatially varying dielectric permittivity. Journal of Chemical Physics, 2013, 138, 054119. | 3.0 | 39 |
| 5 | Rheological Properties of Liquids Under Conditions of Elastohydrodynamic Lubrication. Tribology Letters, 2019, 67, 1. | 2.6 | 37 |
| 6 | Machine learning surrogates for molecular dynamics simulations of soft materials. Journal of Computational Science, 2020, 42, 101107. | 2.9 | 31 |
| 7 | Electrostatics-driven shape transitions in soft shells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12673-12678. | 7.1 | 30 |
| 8 | Learning Everywhere: Pervasive Machine Learning for Effective High-Performance Computation. , 2019, | | 28 |
| 9 | Linker-Mediated Assembly of Virus-Like Particles into Ordered Arrays via Electrostatic Control. ACS Applied Bio Materials, 2019, 2, 2192-2201. | 4.6 | 21 |
| 10 | Coulomb energy of uniformly charged spheroidal shell systems. Physical Review E, 2015, 91, 032305. | 2.1 | 19 |
| 11 | Machine learning for parameter auto-tuning in molecular dynamics simulations: Efficient dynamics of ions near polarizable nanoparticles. International Journal of High Performance Computing Applications, 2020, 34, 357-374. | 3.7 | 13 |
| 12 | Probing the Rheological Properties of Liquids Under Conditions of Elastohydrodynamic Lubrication Using Simulations and Machine Learning. Tribology Letters, 2021, 69, 1. | 2.6 | 12 |
| 13 | Ionic structure and decay length in highly concentrated confined electrolytes. AIP Advances, 2020, 10, | 1.3 | 12 |
| 14 | Generating true minima in constrained variational formulations via modified Lagrange multipliers. Physical Review E, 2013, 88, 053306. | 2.1 | 10 |
| 15 | Free-energy functionals of the electrostatic potential for Poisson-Boltzmann theory. Physical Review E, 2013, 88, 022305. | 2.1 | 9 |
| 16 | Computational studies of shape control of charged deformable nanocontainers. Journal of Materials Chemistry B, 2019, 7, 6370-6382. | 5.8 | 8 |
| 17 | Machine Learning for Performance Enhancement of Molecular Dynamics Simulations. Lecture Notes in Computer Science, 2019, , 116-130. | 1.3 | 8 |
| 18 | Multilayered Ordered Protein Arrays Self-Assembled from a Mixed Population of Virus-like Particles. ACS Nano, 2022, 16, 7662-7673. | 14.6 | 8 |

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Molecular Dynamics Simulations on Cloud Computing and Machine Learning Platforms. , 2021, , . | | 7 |
| 20 | Solving Newton's equations of motion with large timesteps using recurrent neural networks based operators. Machine Learning: Science and Technology, 2022, 3, 025002. | 5.0 | 7 |
| 21 | Designing Surface Charge Patterns for Shape Control of Deformable Nanoparticles. Physical Review Letters, 2020, 125, 248001. | 7.8 | 4 |
| 22 | Integrating Machine Learning with HPC-driven Simulations for Enhanced Student Learning. , 2020, , . | | 4 |
| 23 | Reply to Bair: Crossover to Arrhenius behavior at high viscosities in squalane. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8807-E8808. | 7.1 | 3 |
| 24 | SciSpot: Scientific Computing On Temporally Constrained Cloud Preemptible VMs. IEEE Transactions on Parallel and Distributed Systems, 2022, , 1-1. | 5.6 | 0 |