

Alberto Scacchi

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

203
citations

1307594

7
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

151
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Effective equilibrium states in the colored-noise model for active matter I. Pairwise forces in the Fox and unified colored noise approximations. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017, 2017, 113207. | 2.3 | 48 |
| 2 | Mean first passage time of active Brownian particle in one dimension. <i>Molecular Physics</i> , 2018, 116, 460-464. | 1.7 | 41 |
| 3 | Driven colloidal fluids: construction of dynamical density functional theories from exactly solvable limits. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 244023. | 1.8 | 25 |
| 4 | Dynamical density functional theory analysis of the laning instability in sheared soft matter. <i>Physical Review E</i> , 2017, 96, 062616. | 2.1 | 12 |
| 5 | Evaporation-driven self-assembly of binary and ternary colloidal polymer nanocomposites for abrasion resistant applications. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 729-740. | 9.4 | 12 |
| 6 | Liquidâ€“Liquid Phase Separation and Assembly of Silk-like Proteins is Dependent on the Polymer Length. <i>Biomacromolecules</i> , 2022, 23, 3142-3153. | 5.4 | 10 |
| 7 | Escape rate of transiently active Brownian particle in one dimension. <i>Physical Review E</i> , 2019, 100, 012601. | 2.1 | 9 |
| 8 | Quasicrystal formation in binary soft matter mixtures. <i>Physical Review Research</i> , 2020, 2, . | 3.6 | 9 |
| 9 | Microrheology close to an equilibrium phase transition. <i>Journal of Chemical Physics</i> , 2014, 140, 144901. | 3.0 | 7 |
| 10 | Self-assembly in soft matter with multiple length scales. <i>Physical Review Research</i> , 2021, 3, . | 3.6 | 7 |
| 11 | Flow induced crystallisation of penetrable particles. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 095102. | 1.8 | 6 |
| 12 | Local phase transitions in driven colloidal suspensions. <i>Molecular Physics</i> , 2018, 116, 378-387. | 1.7 | 4 |
| 13 | Modified Poissonâ€“Boltzmann theory for polyelectrolytes in monovalent salt solutions with finite-size ions. <i>Journal of Chemical Physics</i> , 2022, 156, . | 3.0 | 4 |
| 14 | Self-assembly of binary solutions to complex structures. <i>Journal of Chemical Physics</i> , 2021, 155, 014904. | 3.0 | 3 |
| 15 | Sensitive dependence on molecular interactions of length scales in sheared soft matter. <i>Physical Review Research</i> , 2020, 2, . | 3.6 | 3 |
| 16 | Effect of Particle Interactions on the Assembly of Drying Colloidal Mixtures. <i>Langmuir</i> , 2022, 38, 5361-5371. | 3.5 | 2 |
| 17 | Shear-induced migration in colloidal suspensions. <i>Molecular Physics</i> , 2017, 115, 1691-1699. | 1.7 | 1 |