# Divya Nayar

List of Publications by Year
in descending order



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|---|---|---|---|
| 17 papers | 503 citations | 858243 12 h-index | 993246 17 g-index |
| 17 all docs | 17 docs citations | 17 times ranked | 721 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Current advances in bio-fabricated quantum dots emphasising the study of mechanisms to diversify their catalytic and biomedical applications. Dalton Transactions, 2021, 50, 14062-14080. | 1.6 | 14 |
| 2 | An interplay of excluded-volume and polymerâ€“(co)solvent attractive interactions regulates polymer collapse in mixed solvents. Journal of Chemical Physics, 2021, 154, 134903. | 1.2 | 16 |
| 3 | Crowding effects on water-mediated hydrophobic interactions. Journal of Chemical Physics, 2021, 155, 024903. | 1.2 | 4 |
| 4 | Small crowder interactions can drive hydrophobic polymer collapse as well as unfolding. Physical Chemistry Chemical Physics, 2020, 22, 18091-18101. | 1.3 | 7 |
| 5 | A cosolvent surfactant mechanism affects polymer collapse in miscible good solvents. Communications Chemistry, 2020, 3, . | 2.0 | 14 |
| 6 | Cosolvent Effects on Polymer Hydration Drive Hydrophobic Collapse. Journal of Physical Chemistry B, 2018, 122, 3587-3595. | 1.2 | 28 |
| 7 | Convergence of Kirkwoodâ€“Buff Integrals of Ideal and Nonideal Aqueous Solutions Using Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2018, 122, 5515-5526. | 1.2 | 64 |
| 8 | Intrinsic Conformational Preferences and Interactions in Î±-Synuclein Fibrils: Insights from Molecular Dynamics Simulations. Journal of Chemical Theory and Computation, 2018, 14, 3298-3310. | 2.3 | 24 |
| 9 | The Hydrophobic Effect and the Role of Cosolvents. Journal of Physical Chemistry B, 2017, 121, 9986-9998. | 1.2 | 87 |
| 10 | Molecular origin of urea driven hydrophobic polymer collapse and unfolding depending on side chain chemistry. Physical Chemistry Chemical Physics, 2017, 19, 18156-18161. | 1.3 | 37 |
| 11 | Comparison of hydration behavior and conformational preferences of the Trp-cage mini-protein in different rigid-body water models. Physical Chemistry Chemical Physics, 2016, 18, 32796-32813. | 1.3 | 16 |
| 12 | Free Energy Landscapes of Alanine Oligopeptides in Rigid-Body and Hybrid Water Models. Journal of Physical Chemistry B, 2015, 119, 11106-11120. | 1.2 | 6 |
| 13 | Sensitivity of local hydration behaviour and conformational preferences of peptides to choice of water model. Physical Chemistry Chemical Physics, 2014, 16, 10199-10213. | 1.3 | 20 |
| 14 | Water and water-like liquids: relationships between structure, entropy and mobility. Physical Chemistry Chemical Physics, 2013, 15, 14162. | 1.3 | 66 |
| 15 | Relating Structure, Entropy, and Energy of Solvation of Nanoscale Solutes: Application to Gold Nanoparticle Dispersions. Journal of Physical Chemistry B, 2012, 116, 13124-13132. | 1.2 | 10 |
| 16 | Water and other tetrahedral liquids: order, anomalies and solvation. Journal of Physics Condensed Matter, 2012, 24, 284116. | 0.7 | 38 |
| 17 | Comparison of Tetrahedral Order, Liquid State Anomalies, and Hydration Behavior of mTIP3P and TIP4P Water Models. Journal of Chemical Theory and Computation, 2011, 7, 3354-3367. | 2.3 | 52 |