

Ajaykumar Gopal

List of Publications by Year in descending order

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14
papers

904
citations

687363

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1058476

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docs citations

14
times ranked

1048
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Morphology and Collapse Transitions in Binary Phospholipid Monolayers. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10348-10354. | 2.6 | 160 |
| 2 | Predicting the sizes of large RNA molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16153-16158. | 7.1 | 117 |
| 3 | Influence of palmitic acid and hexadecanol on the phase transition temperature and molecular packing of dipalmitoylphosphatidyl-choline monolayers at the air-water interface. <i>Journal of Chemical Physics</i> , 2002, 116, 774-783. | 3.0 | 112 |
| 4 | Visualizing large RNA molecules in solution. <i>Rna</i> , 2012, 18, 284-299. | 3.5 | 95 |
| 5 | The Assembly Pathway of an Icosahedral Single-Stranded RNA Virus Depends on the Strength of Inter-Subunit Attractions. <i>Journal of Molecular Biology</i> , 2014, 426, 1050-1060. | 4.2 | 94 |
| 6 | Headgroup Percolation and Collapse of Condensed Langmuir Monolayers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22079-22087. | 2.6 | 64 |
| 7 | Unstable topography of biphasic surfactant monolayers. <i>Europhysics Letters</i> , 2000, 52, 171-177. | 2.0 | 46 |
| 8 | Visualizing the global secondary structure of a viral RNA genome with cryo-electron microscopy. <i>Rna</i> , 2015, 21, 877-886. | 3.5 | 45 |
| 9 | Microscopic Folds and Macroscopic Jerks in Compressed Lipid Monolayers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10220-10223. | 2.6 | 43 |
| 10 | Viral RNAs Are Unusually Compact. <i>PLoS ONE</i> , 2014, 9, e105875. | 2.5 | 41 |
| 11 | Encapsulation of Semiconducting Polymers in Vault Protein Cages. <i>Nano Letters</i> , 2008, 8, 3503-3509. | 9.1 | 31 |
| 12 | Vaults Are Dynamically Unconstrained Cytoplasmic Nanoparticles Capable of Half Vault Exchange. <i>ACS Nano</i> , 2010, 4, 7229-7240. | 14.6 | 27 |
| 13 | Surface charge relaxation and the pearling instability of charged surfactant tubes. <i>Physical Review E</i> , 2005, 72, 051930. | 2.1 | 24 |
| 14 | A Transfer-Sequence Based Algorithm for Calculating the Size of Ideal Randomly Branched Polymers. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6231-6237. | 2.6 | 5 |