

Mark Santer

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

361
citations

840776

11
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

515
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Dynamic capillary wetting studied with dissipative particle dynamics. <i>New Journal of Physics</i> , 2008, 10, 043009. | 2.9 | 67 |
| 2 | Mechanical Compressibility of the Glycosylphosphatidylinositol (GPI) Anchor Backbone Governed by Independent Glycosidic Linkages. <i>Journal of the American Chemical Society</i> , 2012, 134, 18964-18972. | 13.7 | 39 |
| 3 | Subgel Phase Structure in Monolayers of Glycosylphosphatidylinositol Glycolipids. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12874-12878. | 13.8 | 37 |
| 4 | <i>Cis</i> -to- <i>Trans</i> Isomerization of Azobenzene Derivatives Studied with Transition Path Sampling and Quantum Mechanical/Molecular Mechanical Molecular Dynamics. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 2042-2051. | 5.3 | 33 |
| 5 | Leukocyte enrichment based on a modified pinched flow fractionation approach. <i>Microfluidics and Nanofluidics</i> , 2013, 14, 551-563. | 2.2 | 28 |
| 6 | Photoswitchable precision glycooligomers and their lectin binding. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1603-1612. | 2.2 | 25 |
| 7 | Simulation of advanced microfluidic systems with dissipative particle dynamics. <i>Microfluidics and Nanofluidics</i> , 2009, 7, 307-323. | 2.2 | 21 |
| 8 | Conformational Diversity of O-Antigen Polysaccharides of the Gram-Negative Bacterium <i>Shigella flexneri</i> Serotype Y. <i>Journal of Physical Chemistry B</i> , 2014, 118, 2523-2534. | 2.6 | 18 |
| 9 | Bacteriophage Tailspikes and Bacterial O-Antigens as a Model System to Study Weak-Affinity Protein-Polysaccharide Interactions. <i>Journal of the American Chemical Society</i> , 2016, 138, 9109-9118. | 13.7 | 17 |
| 10 | Structure binding relationship of human surfactant protein D and various lipopolysaccharide inner core structures. <i>Journal of Structural Biology</i> , 2016, 195, 387-395. | 2.8 | 16 |
| 11 | Complex carbohydrate recognition by proteins: Fundamental insights from bacteriophage cell adhesion systems. <i>Perspectives in Science</i> , 2017, 11, 45-52. | 0.6 | 13 |
| 12 | A molecular dynamics model for glycosylphosphatidyl-inositol anchors: α -flop down or α -lollipop? <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29314-29324. | 2.8 | 11 |
| 13 | Solvent Networks Tune Thermodynamics of Oligosaccharide Complex Formation in an Extended Protein Binding Site. <i>Journal of the American Chemical Society</i> , 2018, 140, 10447-10455. | 13.7 | 11 |
| 14 | Coarse-Grained Molecular Model for the Glycosylphosphatidylinositol Anchor with and without Protein. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 3889-3903. | 5.3 | 10 |
| 15 | Increasing the Affinity of an O-Antigen Polysaccharide Binding Site in <i>Shigella flexneri</i> Bacteriophage Sf6 Tailspike Protein. <i>Chemistry - A European Journal</i> , 2020, 26, 7263-7273. | 3.3 | 9 |
| 16 | Versatility of a Glycosylphosphatidylinositol Fragment in Forming Highly Ordered Polymorphs. <i>Langmuir</i> , 2014, 30, 5185-5192. | 3.5 | 6 |
| 17 | New Insights into Lipid Monolayers from Coarse-Grained Simulation Techniques. <i>Biophysical Journal</i> , 2014, 107, 1038-1039. | 0.5 | 0 |