# Laercio Pol-Fachin

List of Publications by Year
in descending order



| 22 | 619 | 759233 12 | 752698 20 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 22 | 22 | 22 | 973 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | GROMOS 53A6<sub>GLYC</sub>, an Improved GROMOS Force Field for Hexopyranose-Based Carbohydrates. Journal of Chemical Theory and Computation, 2012, 8, 4681-4690. | 5.3 | 132 |
| 2 | GROMOS96 43a1 performance on the characterization of glycoprotein conformational ensembles through molecular dynamics simulations. Carbohydrate Research, 2009, 344, 491-500. | 2.3 | 93 |
| 3 | Polymyxin Binding to the Bacterial Outer Membrane Reveals Cation Displacement and Increasing Membrane Curvature in Susceptible but Not in Resistant Lipopolysaccharide Chemotypes. Journal of Chemical Information and Modeling, 2017, 57, 2181-2193. | 5.4 | 54 |
| 4 | Depiction of the forces participating in the 2-O-sulfo-Î±-l-iduronic acid conformational preference in heparin sequences in aqueous solutions. Carbohydrate Research, 2008, 343, 1435-1445. | 2.3 | 49 |
| 5 | Anticoagulant Activity of a Unique Sulfated Pyranosic (1â†'3)-Î²-l-Arabinan through Direct Interaction with Thrombin. Journal of Biological Chemistry, 2013, 288, 223-233. | 3.4 | 46 |
| 6 | A Unique 2-Sulfated Î²-Galactan from the Egg Jelly of the Sea Urchin Glyptocidaris crenularis. Journal of Biological Chemistry, 2009, 284, 18790-18800. | 3.4 | 44 |
| 7 | Extension and validation of the GROMOS 53A6<sub><scp>glyc</scp></sub> parameter set for glycoproteins. Journal of Computational Chemistry, 2014, 35, 2087-2095. | 3.3 | 42 |
| 8 | Effects of glycosylation on heparin binding and antithrombin activation by heparin. Proteins: Structure, Function and Bioinformatics, 2011, 79, 2735-2745. | 2.6 | 22 |
| 9 | Atomic Model and Micelle Dynamics of QS-21 Saponin. Molecules, 2014, 19, 3744-3760. | 3.8 | 21 |
| 10 | Inhibition of the hemolytic activity caused byStaphylococcus aureusalpha-hemolysin through isatin-Schiff copper(II) complexes. FEMS Microbiology Letters, 2016, 363, fnv207. | 1.8 | 20 |
| 11 | Conformational stability of the epidermal growth factor (EGF) receptor as influenced by glycosylation, dimerization and EGF hormone binding. Proteins: Structure, Function and Bioinformatics, 2017, 85, 561-570. | 2.6 | 18 |
| 12 | Solution conformation and dynamics of exopolysaccharides from Burkholderia species. Carbohydrate Research, 2010, 345, 1922-1931. | 2.3 | 13 |
| 13 | Glycosylation is crucial for a proper catalytic site organization in human glucocerebrosidase. Glycoconjugate Journal, 2016, 33, 237-244. | 2.7 | 13 |
| 14 | Characterization of the conformational ensemble from bioactive N-acylhydrazone derivatives. Journal of Molecular Graphics and Modelling, 2010, 28, 446-454. | 2.4 | 12 |
| 15 | Assessment of Glycoproteins Dynamics from Computer Simulations. Mini-Reviews in Organic Chemistry, 2011, 8, 229-238. | 1.3 | 12 |
| 16 | Unrestrained Conformational Characterization ofStenocereus erucaSaponins in Aqueous and Nonaqueous Solvents. Journal of Natural Products, 2012, 75, 1196-1200. | 3.0 | 11 |
| 17 | Structural glycobiology of the major allergen of Artemisia vulgaris pollen, Art v 1: O-glycosylation influence on the protein dynamics and allergenicity. Glycobiology, 2012, 22, 817-825. | 2.5 | 7 |
| 18 | Staphylococcus aureus Î´-toxin in aqueous solution: Behavior in monomeric and multimeric states. Biophysical Chemistry, 2017, 227, 21-28. | 2.8 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Lazy Life of Lipid-Linked Oligosaccharides in All Life Domains. Journal of Chemical Information and Modeling, 2020, 60, 631-643. | 5.4 | 4 |
| 20 | Insights into the effects of glycosylation and the monosaccharide-binding activity of the plant lectin CrataBL. Glycoconjugate Journal, 2017, 34, 515-522. | 2.7 | 2 |
| 21 | Cover Image, Volume 85, Issue 4. Proteins: Structure, Function and Bioinformatics, 2017, 85, C4. | 2.6 | 0 |
| 22 | Duffy binding-like 1Î± adhesin from Plasmodium falciparum recognizes ABH histo-blood group saccharide in a type specific manner. Carbohydrate Polymers, 2019, 207, 266-275. | 10.2 | 0 |