

# Horacio V Guzman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8408843/publications.pdf>

Version: 2024-02-01

14  
papers

331  
citations

1040056

9  
h-index

1058476

14  
g-index

18  
all docs

18  
docs citations

18  
times ranked

473  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Assessing the Stability of Biological Fibrils by Molecular-Scale Simulations. <i>Methods in Molecular Biology</i> , 2022, 2340, 357-378.   | 0.9  | 1         |
| 2  | Tuning Contact Angles of Aqueous Droplets on Hydrophilic and Hydrophobic Surfaces by Surfactants. <i>Journal of Physical Chemistry B</i> , 2022, 126, 3374-3384.   | 2.6  | 18        |
| 3  | Structural 3D Domain Reconstruction of the RNA Genome from Viruses with Secondary Structure Models. <i>Viruses</i> , 2021, 13, 1555.   | 3.3  | 15        |
| 4  | RNA Secondary Structures Regulate Adsorption of Fragments onto Flat Substrates. <i>ACS Omega</i> , 2021, 6, 32823-32831.   | 3.5  | 7         |
| 5  | Free Energies of the Disassembly of Viral Capsids from a Multiscale Molecular Simulation Approach. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 974-981.  | 5.4  | 24        |
| 6  | Quantitative determination of mechanical stability in the novel coronavirus spike protein. <i>Nanoscale</i> , 2020, 12, 16409-16413.   | 5.6  | 49        |
| 7  | Characterization of Structural and Energetic Differences between Conformations of the SARS-CoV-2 Spike Protein. <i>Materials</i> , 2020, 13, 5362.   | 2.9  | 46        |
| 8  | Mechanical and thermodynamic properties of $A\beta_{42}$ , $A\beta_{40}$ , and $I\alpha$ -synuclein fibrils: a coarse-grained method to complement experimental studies. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 500-513. | 2.8  | 30        |
| 9  | ESPReso++ 2.0: Advanced methods for multiscale molecular simulation. <i>Computer Physics Communications</i> , 2019, 238, 66-76.  | 7.5  | 30        |
| 10 | Scalable and fast heterogeneous molecular simulation with predictive parallelization schemes. <i>Physical Review E</i> , 2017, 96, 053311.   | 2.1  | 9         |
| 11 | Scaling law to determine peak forces in tapping-mode AFM experiments on finite elastic soft matter systems. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 968-974.   | 2.8  | 6         |
| 12 | Dynamic force microscopy simulator (dForce): A tool for planning and understanding tapping and bimodal AFM experiments. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 369-379.   | 2.8  | 32        |
| 13 | Peak Forces in High-Resolution Imaging of Soft Matter in Liquid. <i>ACS Nano</i> , 2013, 7, 3198-3204.   | 14.6 | 47        |
| 14 | Peak forces and lateral resolution in amplitude modulation force microscopy in liquid. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 852-859.  | 2.8  | 14        |