# Shigetaka Yoneda

List of Publications by Year
in descending order

| 18 papers | 135 citations | 1163117 8 h-index | 1281871 11 g-index |
|---|---|---|---|
| 18 all docs | 18 docs citations | 18 times ranked | 137 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Free energy perturbation calculations on multiple mutation bases. Journal of Chemical Physics, 1992, 97, 6730-6736. | 3.0 | 23 |
| 2 | Molecular dynamics simulation of a rhinovirus capsid under rotational symmetry boundary conditions. Journal of Computational Chemistry, 1996, 17, 191-203. | 3.3 | 15 |
| 3 | Crystal Water Dynamics of Guanosine Dihydrate:Â Analysis of Atomic Displacement Parameters, Time Profile of Hydrogen-Bonding Probability, and Translocation of Water by MD Simulation. Journal of Physical Chemistry B, 2005, 109, 1304-1312. | 2.6 | 13 |
| 4 | Parallel Evolution of Two dmrt1-Derived Genes, dmy and dm-W, for Vertebrate Sex Determination. IScience, 2020, 23, 100757. | 4.1 | 11 |
| 5 | Structure and dynamics of the GH loop of the foot-and-mouth disease virus capsid. Journal of Molecular Graphics and Modelling, 2009, 28, 278-286. | 2.4 | 10 |
| 6 | Molecular Dynamics Simulations to Determine the Structure and Dynamics of Hepatitis B Virus Capsid Bound to a Novel Anti-viral Drug. Chemical and Pharmaceutical Bulletin, 2016, 64, 1393-1396. | 1.3 | 9 |
| 7 | Comprehensive Understanding of Host- and Guest-Dependent Helix Inversion in Chiral Nematic Liquid Crystals: Experimental and Molecular Dynamics Simulation Study. Journal of Physical Chemistry B, 2018, 122, 10615-10626. | 2.6 | 9 |
| 8 | A homology modeling method of an icosahedral viral capsid: inclusion of surrounding protein structures. Journal of Molecular Graphics and Modelling, 1999, 17, 114-119. | 2.4 | 8 |
| 9 | Motion of an antiviral compound in a rhinovirus capsid under rotational symmetry boundary conditions. Journal of Molecular Graphics and Modelling, 2002, 21, 19-27. | 2.4 | 8 |
| 10 | A Further Implementation of the Rotational Symmetry Boundary Conditions for Calculations of P43212 Symmetry Crystals. Journal of Molecular Graphics and Modelling, 1997, 15, 233-237. | 2.4 | 7 |
| 11 | Visualizing the helical stacking of octahedral metallomesogens with a chiral core. Chemical Communications, 2020, 56, 12134-12137. | 4.1 | 7 |
| 12 | Potential of mean force and umbrella sampling simulation for the transport of <scp>5â€oxazolidinone</scp> in heterotetrameric sarcosine oxidase. Proteins: Structure, Function and Bioinformatics, 2021, 89, 811-818. | 2.6 | 5 |
| 13 | Analysis of water channels by molecular dynamics simulation of heterotetrameric sarcosine oxidase. Biophysics and Physicobiology, 2015, 12, 131-138. | 1.0 | 4 |
| 14 | Molecular Dynamics and Free Energy Perturbation Calculations on the Mutation of Tyrosine 45 to Tryptophan in Ribonuclease T1.. Chemical and Pharmaceutical Bulletin, 1992, 40, 1303-1308. | 1.3 | 3 |
| 15 | Analysis of Low-Frequency Phonons in Guanosine Dihydrate Based on Molecular Dynamics Simulations. Journal of Physical Chemistry A, 2008, 112, 7055-7063. | 2.5 | 3 |
| 16 | A calculation by using semiempirical potentials of a complex of nucleotides and the cognate amino acid: A numerical approach to the amino acid recognition by tRNA for the ten typical cases. International Journal of Quantum Chemistry, 1985, 28, 201-208. | 2.0 | 0 |
| 17 | Rotational Symmetry Boundary Condition. Seibutsu Butsuri, 2011, 51, 032-035. | 0.1 | 0 |
| 18 | CAPLIB: A New Program Library for the Modeling and Analysis of Icosahedrally Symmetric Viral Capsids. ACS Omega, 2018, 3, 4458-4465. | 3.5 | 0 |