# List of Publications by Year in descending order



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|---|---|---|---|
| 20 papers | 14,444 citations | 394421 19 h-index | 794594 19 g-index |
| 21 all docs | 21 docs citations | 21 times ranked | 15812 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Multiscale Approximation with Graphical Processing Units for Multiplicative Speedup in Molecular Dynamics. , 2016, , . | | 0 |
| 2 | An analytical approach to computing biomolecular electrostatic potential. I. Derivation and analysis. Journal of Chemical Physics, 2008, 129, 075101. | 3.0 | 27 |
| 3 | Implicit Solvent Models in Molecular Dynamics Simulations: A Brief Overview. Annual Reports in Computational Chemistry, 2008, 4, 125-137. | 1.7 | 82 |
| 4 | An analytical approach to computing biomolecular electrostatic potential. II. Validation and applications. Journal of Chemical Physics, 2008, 129, 075102. | 3.0 | 27 |
| 5 | Analysis of Basic Clustering Algorithms for Numerical Estimation of Statistical Averages in Biomolecules. Journal of Computational Biology, 2008, 15, 165-184. | 1.6 | 39 |
| 6 | Analysis of integral expressions for effective Born radii. Journal of Chemical Physics, 2007, 127, 185101. | 3.0 | 54 |
| 7 | Generalized Born Model with a Simple, Robust Molecular Volume Correction. Journal of Chemical Theory and Computation, 2007, 3, 156-169. | 5.3 | 334 |
| 8 | A Computational Study of Nucleosomal DNA Flexibility. Biophysical Journal, 2006, 91, 4121-4132. | 0.5 | 72 |
| 9 | A simple clustering algorithm can be accurate enough for use in calculations of pKs in macromolecules. Proteins: Structure, Function and Bioinformatics, 2006, 63, 928-938. | 2.6 | 270 |
| 10 | Analytical electrostatics for biomolecules: Beyond the generalizedâ€‡ Born approximation. Journal of Chemical Physics, 2006, 124, 124902. | 3.0 | 113 |
| 11 | The Amber biomolecular simulation programs. Journal of Computational Chemistry, 2005, 26, 1668-1688. | 3.3 | 7,742 |
| 12 | H++: a server for estimating pKas and adding missing hydrogens to macromolecules. Nucleic Acids Research, 2005, 33, W368-W371. | 14.5 | 1,295 |
| 13 | Incorporating variable dielectric environments into the generalized Born model. Journal of Chemical Physics, 2005, 122, 094511. | 3.0 | 82 |
| 14 | Exploring protein native states and large-scale conformational changes with a modified generalized born model. Proteins: Structure, Function and Bioinformatics, 2004, 55, 383-394. | 2.6 | 2,068 |
| 15 | Performance comparison of generalized born and Poisson methods in the calculation of electrostatic solvation energies for protein structures. Journal of Computational Chemistry, 2004, 25, 265-284. | 3.3 | 523 |
| 16 | Structural Details, Pathways, and Energetics of Unfolding Apomyoglobin. Journal of Molecular Biology, 2003, 325, 555-567. | 4.2 | 52 |
| 17 | Proton Affinity Changes Driving Unidirectional Proton Transport in the Bacteriorhodopsin Photocycle. Journal of Molecular Biology, 2003, 332, 1183-1193. | 4.2 | 63 |
| 18 | Effective Born radii in the generalized Born approximation: The importance of being perfect. Journal of Computational Chemistry, 2002, 23, 1297-1304. | 3.3 | 412 |

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|---|---|---|---|
| 19 | A Novel View of pH Titration in Biomoleculesâ€. Biochemistry, 2001, 40, 3413-3419. | 2.5 | 183 |
| 20 | Modification of the Generalized Born Model Suitable for Macromolecules. Journal of Physical Chemistry B, 2000, 104, 3712-3720. | 2.6 | 973 |