List of Publications by Year in descending order

20 papers	14,444 citations	448610 19 h-index	889612 19 g-index
21 all docs	21 docs citations	21 times ranked	17792 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.	1.2	27
3	Implicit Solvent Models in Molecular Dynamics Simulations: A Brief Overview. Annual Reports in Computational Chemistry, 2008, 4, 125-137.	0.9	82
4	An analytical approach to computing biomolecular electrostatic potential. II. Validation and applications. Journal of Chemical Physics, 2008, 129, 075102.	1.2	27
5	Analysis of Basic Clustering Algorithms for Numerical Estimation of Statistical Averages in Biomolecules. Journal of Computational Biology, 2008, 15, 165-184.	0.8	39
6	Analysis of integral expressions for effective Born radii. Journal of Chemical Physics, 2007, 127, 185101.	1.2	54
7	Generalized Born Model with a Simple, Robust Molecular Volume Correction. Journal of Chemical Theory and Computation, 2007, 3, 156-169.	2.3	334
8	A Computational Study of Nucleosomal DNA Flexibility. Biophysical Journal, 2006, 91, 4121-4132.	0.2	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.	1.5	270
10	Analytical electrostatics for biomolecules: Beyond the generalizedâ€‡ Born approximation. Journal of Chemical Physics, 2006, 124, 124902.	1.2	113
11	The Amber biomolecular simulation programs. Journal of Computational Chemistry, 2005, 26, 1668-1688.	1.5	7,742
12	H++: a server for estimating pKas and adding missing hydrogens to macromolecules. Nucleic Acids Research, 2005, 33, W368-W371.	6.5	1,295
13	Incorporating variable dielectric environments into the generalized Born model. Journal of Chemical Physics, 2005, 122, 094511.	1.2	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.	1.5	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.	1.5	523
16	Structural Details, Pathways, and Energetics of Unfolding Apomyoglobin. Journal of Molecular Biology, 2003, 325, 555-567.	2.0	52
17	Proton Affinity Changes Driving Unidirectional Proton Transport in the Bacteriorhodopsin Photocycle. Journal of Molecular Biology, 2003, 332, 1183-1193.	2.0	63
18	Effective Born radii in the generalized Born approximation: The importance of being perfect. Journal of Computational Chemistry, 2002, 23, 1297-1304.	1.5	412

#	Article	IF	Citations
19	A Novel View of pH Titration in Biomoleculesâ€. Biochemistry, 2001, 40, 3413-3419.	1.2	183
20	Modification of the Generalized Born Model Suitable for Macromolecules. Journal of Physical Chemistry B, 2000, 104, 3712-3720.	1.2	973