Albert C Pan

List of Publications by Year
in descending order

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21 papers	3,470 citations	516561 16 h-index	752573 20 g-index
21 all docs	21 docs citations	21 times ranked	4108 citing authors

#	Article	IF	Citations
1	Entry from the Lipid Bilayer: A Possible Pathway for Inhibition of a Peptide G Protein-Coupled Receptor by a Lipophilic Small Molecule. Biochemistry, 2018, 57, 5748-5758.	1.2	23
2	Demonstrating an Order-of-Magnitude Sampling Enhancement in Molecular Dynamics Simulations of Complex Protein Systems. Journal of Chemical Theory and Computation, 2016, 12, 1360-1367.	2.3	79
3	Recovery from slow inactivation in K+ channels is controlled by water molecules. Nature, 2013, 501, 121-124.	13.7	171
4	Extending the Generality of Molecular Dynamics Simulations on a Special-Purpose Machine. , 2013, , .		13
5	Rotational Relaxation in ortho-Terphenyl: Using Atomistic Simulations to Bridge Theory and Experiment. Journal of Physical Chemistry B, 2013, 117, 12898-12907.	1.2	15
6	Molecular determinants of drugâ€“receptor binding kinetics. Drug Discovery Today, 2013, 18, 667-673.	3.2	307
7	Mechanism of Cd2+ Coordination during Slow Inactivation in Potassium Channels. Structure, 2012, 20, 1332-1342.	1.6	23
8	Structure and dynamics of the M3 muscarinic acetylcholine receptor. Nature, 2012, 482, 552-556.	13.7	714
9	Thermodynamic coupling between activation and inactivation gating in potassium channels revealed by free energy molecular dynamics simulations. Journal of General Physiology, 2011, 138, 571-580.	0.9	49
10	On the structural basis of modal gating behavior in K+ channels. Nature Structural and Molecular Biology, 2011, 18, 67-74.	3.6	71
11	Chapter 20. Probing the Conformational Dynamics of GPCRs with Molecular Dynamics Simulation. RSC Drug Discovery Series, 2011, , 384-400.	0.2	1
12	Pathway and mechanism of drug binding to G-protein-coupled receptors. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13118-13123.	3.3	673
13	Activation mechanism of theÎ²₂-adrenergic receptor. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18684-18689.	3.3	539
14	Finding Transition Pathways Using the String Method with Swarms of Trajectories. Journal of Physical Chemistry B, 2008, 112, 3432-3440.	1.2	313
15	Building Markov state models along pathways to determine free energies and rates of transitions. Journal of Chemical Physics, 2008, 129, 064107.	1.2	137
16	Neutron Scattering and Monte Carlo Determination of the Variation of the Critical Nucleus Size with Quench Depthâ€. Journal of Physical Chemistry B, 2006, 110, 3692-3696.	1.2	35
17	Lengthscale dependence of dynamic four-point susceptibilities in glass formers. Physical Review E, 2006, 74, 051501.	0.8	85
18	Decoupling of Self-Diffusion and Structural Relaxation during a Fragile-to-Strong Crossover in a Kinetically Constrained Lattice Gas. ChemPhysChem, 2005, 6, 1783-1785.	1.0	16

#	Article	IF	Citations
19	Rotational correlation and dynamic heterogeneity in a kinetically constrained lattice gas. Journal of Chemical Physics, 2005, 123, 164501.	1.2	3
20	Heterogeneity and growing length scales in the dynamics of kinetically constrained lattice gases in two dimensions. Physical Review E, 2005, 72, 041106.	0.8	83
21	Dynamics of Nucleation in the Ising Modelâ€. Journal of Physical Chemistry B, 2004, 108, 19681-19686.	1.2	120