Jian Dai

List of Publications by Year
in descending order

15	668	623188 14	996533 15
papers	citations	h-index	g-index

15	15	15	882
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Divergent roles of a peripheral transmembrane segment in AMPA and NMDA receptors. Journal of General Physiology, 2017, 149, 661-680.	0.9	41
2	Semiclosed Conformations of the Ligand-Binding Domains of NMDA Receptors during Stationary Gating. Biophysical Journal, 2016, 111, 1418-1428.	0.2	19
3	The Transmembrane Domain Mediates Tetramerization of Î±-Amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid (AMPA) Receptors. Journal of Biological Chemistry, 2016, 291, 6595-6606.	1.6	23
4	Reduced Curvature of Ligand-Binding Domain Free-Energy Surface Underlies Partial Agonism at NMDA Receptors. Structure, 2015, 23, 228-236.	1.6	28
5	Structure of CrgA, a cell division structural and regulatory protein from Mycobacterium tuberculosis , in lipid bilayers. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E119-26.	3.3	45
6	Mechanism-Based Mathematical Model for Gating of Ionotropic Glutamate Receptors. Journal of Physical Chemistry B, 2015, 119, 10934-10940.	1.2	12
7	Binding of MgtR, a Salmonella Transmembrane Regulatory Peptide, to MgtC, a Mycobacterium tuberculosis Virulence Factor: A Structural Study. Journal of Molecular Biology, 2014, 426, 436-446.	2.0	21
8	General rules for the arrangements and gating motions of pore-lining helices in homomeric ion channels. Nature Communications, 2014, 5, 4641.	5.8	15
9	Mechanical coupling maintains the fidelity of NMDA receptorâ€“mediated currents. Nature Neuroscience, 2014, 17, 914-922.	7.1	96
10	An NMDA Receptor Gating Mechanism Developed from MD Simulations Reveals Molecular Details Underlying Subunit-Specific Contributions. Biophysical Journal, 2013, 104, 2170-2181.	0.2	40
11	Inter- and intrasubunit interactions between transmembrane helices in the open state of P2X receptor channels. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4045-54.	3.3	48
12	Modification of Lipid Bilayer Structure by Diacylglycerol: A Comparative Study of Diacylglycerol and Cholesterol. Journal of Chemical Theory and Computation, 2012, 8, 749-758.	2.3	41
13	Simulation of the l_oâ^l_d Phase Boundary in DSPC/DOPC/Cholesterol Ternary Mixtures Using Pairwise Interactions. Journal of Physical Chemistry B, 2011, 115, 1662-1671.	1.2	19
14	Instability of Cholesterol Clusters in Lipid Bilayers and The Cholesterolâ€™s Umbrella Effect. Journal of Physical Chemistry B, 2010, 114, 840-848.	1.2	56
15	A Molecular View of the Cholesterol Condensing Effect in DOPC Lipid Bilayers. Journal of Physical Chemistry B, 2010, 114, 7516-7523.	1.2	164