Albert Y Lau

List of Publications by Year
in descending order

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31 papers	2,176 citations	430874 18 h-index	434195 31 g-index
33 all docs	33 docs citations	33 times ranked	2412 citing authors

#	Article	IF	Citations
1	Development and characterization of functional antibodies targeting NMDA receptors. Nature Communications, 2022, 13, 923.	12.8	11
2	Distinct axial and lateral interactions within homologous filaments dictate the signaling specificity and order of the AIM2-ASC inflammasome. Nature Communications, 2021, 12, 2735.	12.8	15
3	Structural biology and thermodynamics of GluD receptors. Neuropharmacology, 2021, 191, 108542.	4.1	3
4	Finding Druggable Sites in Proteins Using TACTICS. Journal of Chemical Information and Modeling, 2021, 61, 2897-2910.	5.4	13
5	D-Serine Potently Drives Ligand-Binding Domain Closure in the Ionotropic Glutamate Receptor GluD2. Structure, 2020, 28, 1168-1178.e2.	3.3	14
6	High Conformational Variability in the GluK2 Kainate Receptor Ligand-Binding Domain. Structure, 2019, 27, 189-195.e2.	3.3	7
7	Enhanced sampling of glutamate receptor ligand-binding domains. Neuroscience Letters, 2019, 700, 17-21.	2.1	4
8	Neurotransmitter Funneling Optimizes Glutamate Receptor Kinetics. Neuron, 2018, 97, 139-149.e4.	8.1	25
9	Glutamate and Glycine Binding to the NMDA Receptor. Structure, 2018, 26, 1035-1043.e2.	3.3	42
10	Energetics of Glutamate Binding to an Ionotropic Glutamate Receptor. Journal of Physical Chemistry B, 2017, 121, 10436-10442.	2.6	18
11	Molecular lock regulates binding of glycine to a primitive NMDA receptor. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6786-E6795.	7.1	30
12	Dynamics of the Ligand Binding Domain Layer during AMPA Receptor Activation. Biophysical Journal, 2016, 110, 896-911.	0.5	19
13	Computing Conformational Free Energies of iGluR Ligand-Binding Domains. Neuromethods, 2016, , 119-132.	0.3	4
14	A Conformational Intermediate in Glutamate Receptor Activation. Neuron, 2013, 79, 492-503.	8.1	39
15	Conformational Analysis of NMDA Receptor GluN1, GluN2, and GluN3 Ligand-Binding Domains Reveals Subtype-Specific Characteristics. Structure, 2013, 21, 1788-1799.	3.3	86
16	One domain, multiple conformations. Nature Chemical Biology, 2011, 7, 130-131.	8.0	2
17	The hidden energetics of ligand binding and activation in a glutamate receptor. Nature Structural and Molecular Biology, 2011, 18, 283-287.	8.2	112
18	Voltage Profile along the Permeation Pathway of an Open Channel. Biophysical Journal, 2010, 99, 2863-2869.	0.5	18

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19	Nanosculpting reversed wavelength sensitivity into a photoswitchable iGluR. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6814-6819.	7.1	82
20	A structural model for K2P potassium channels based on 23 pairs of interacting sites and continuum electrostatics. Journal of General Physiology, 2009, 134, 53-68.	1.9	36
21	Computing conformational free energy by deactivated morphing. Journal of Chemical Physics, 2008, 129, 134102.	3.0	23
22	The Free Energy Landscapes Governing Conformational Changes in a Glutamate Receptor Ligand-Binding Domain. Structure, 2007, 15, 1203-1214.	3.3	104
23	Functional classification of proteins and protein variants. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6576-6581.	7.1	23
24	Self-Assembling Protein Microarrays. Science, 2004, 305, 86-90.	12.6	537
25	Detection of Protein Folding Defects Caused by BRCA1-BRCT Truncation and Missense Mutations. Journal of Biological Chemistry, 2003, 278, 53007-53016.	3.4	111
26	Base Excision and DNA Binding Activities of Human Alkyladenine DNA Glycosylase Are Sensitive to the Base Paired with a Lesion. Journal of Biological Chemistry, 2001, 276, 13379-13387.	3.4	57
27	Molecular basis for discriminating between normal and damaged bases by the human alkyladenine glycosylase, AAG. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 13573-13578.	7.1	219
28	Structural studies of human alkyladenine glycosylase and E. coli 3-methyladenine glycosylase. Mutation Research DNA Repair, 2000, 460, 201-210.	3.7	61
29	3-methyladenine DNA glycosylases: structure, function, and biological importance. BioEssays, 1999, 21, 668-676.	2.5	173
30	3â€•methyladenine DNA glycosylases: structure, function, and biological importance. BioEssays, 1999, 21, 668-676.	2.5	3
31	Crystal Structure of a Human Alkylbase-DNA Repair Enzyme Complexed to DNA. Cell, 1998, 95, 249-258.	28.9	284