Jian Wu

List of Publications by Year
in descending order

23 papers	618 citations	686830 13 h-index	839053 18 g-index
23 all docs	23 docs citations	23 times ranked	649 citing authors

#	Article	IF	Citations
1	LRRK2 dynamics analysis identifies allosteric control of the crosstalk between its catalytic domains. PLoS Biology, 2022, 20, e3001427.	2.6	18
2	From structure to the dynamic regulation of a molecular switch: A journey over 3Âdecades. Journal of Biological Chemistry, 2021, 296, 100746.	1.6	49
3	Noncanonical protein kinase A activation by oligomerization of regulatory subunits as revealed by inherited Carney complex mutations. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	8
4	PKA CÎ²: a forgotten catalytic subunit of cAMP-dependent protein kinase opens new windows for PKA signaling and disease pathologies. Biochemical Journal, 2021, 478, 2101-2119.	1.7	13
5	Drugging the Undruggable: How Isoquinolines and PKA Initiated the Era of Designed Protein Kinase Inhibitor Therapeutics. Biochemistry, 2021, 60, 3470-3484.	1.2	5
6	Two PKA RIÎ± holoenzyme states define ATP as an isoform-specific orthosteric inhibitor that competes with the allosteric activator, cAMP. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16347-16356.	3.3	28
7	PKA RIÎ± Holoenzyme Crystal Structure Reveals Its Allosteric Regulation and Carney Complex Disease Implications. FASEB Journal, 2018, 32, lb50.	0.2	1
8	Structure of a PKA RIÎ± Recurrent Acrodysostosis Mutant Explains Defective cAMP-Dependent Activation. Journal of Molecular Biology, 2016, 428, 4890-4904.	2.0	19
9	Structure of sm<scp>AKAP</scp> and its regulation by <scp>PKA</scp>â€mediated phosphorylation. FEBS Journal, 2016, 283, 2132-2148.	2.2	19
10	Discovery of allostery in PKA signaling. Biophysical Reviews, 2015, 7, 227-238.	1.5	14
11	An Isoform-Specific Myristylation Switch Targets Type II PKA Holoenzymes to Membranes. Structure, 2015, 23, 1563-1572.	1.6	38
12	PKA RIÎ± Homodimer Structure Reveals an Intermolecular Interface with Implications for Cooperative cAMP Binding and Carney Complex Disease. Structure, 2014, 22, 59-69.	1.6	37
13	Cyclic AMP Analog Blocks Kinase Activation by Stabilizing Inactive Conformation: Conformational Selection Highlights a New Concept in Allosteric Inhibitor Design. Molecular and Cellular Proteomics, 2011, 10, M110.004390.	2.5	62
14	Contribution of Non-catalytic Core Residues to Activity and Regulation in Protein Kinase A. Journal of Biological Chemistry, 2009, 284, 6241-6248.	1.6	44
15	Evolution of PKA Signaling: Structure of Yeast Regulatory Subunit. FASEB Journal, 2009, 23, 709.10.	0.2	0
16	PKA Type IIa Holoenzyme Structure Reveals Isoform Diversity for Inhibition of Catalysis. FASEB Journal, 2008, 22, 1011.3.	0.2	0
17	Evolution of allostery in the cyclic nucleotide binding module: A comparative genomics study. FASEB Journal, 2008, 22, 828.3.	0.2	0
18	PKA Type IIÎ± Holoenzyme Reveals a Combinatorial Strategy for Isoform Diversity. Science, 2007, 318, 274-279.	6.0	103

#	Article	IF	Citations
19	Crystal Structure of Type IIa Holoenzyme of PKA Defines the Molecular Basis of Isoform Diversity. FASEB Journal, 2006, 20, LB59.	0.2	0
20	Crystal structure of the E230Q mutant of cAMP-dependent protein kinase reveals an unexpected apoenzyme conformation and an extended N-terminal A helix. Protein Science, 2005, 14, 2871-2879.	3.1	31
21	RIÎ± Subunit of PKA. Structure, 2004, 12, 1057-1065.	1.6	58
22	Crystal Structures of RIÎ± Subunit of Cyclic Adenosine 5â€˜-Monophosphate (cAMP)-Dependent Protein Kinase Complexed with (Rp)-Adenosine 3â€˜,5â€˜-Cyclic Monophosphothioate and (Sp)-Adenosine 3â€˜,5â€˜-Cyclic Monophosphothioate, the Phosphothioate Analogues of cAMPâ€,â€¡. Biochemistry, 2004, 43, 6620-6629.	1.2	71
23	Fifty Years Since the Discovery of PKA. FASEB Journal, 2002, 22, 412.3-412.3.	0.2	0