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	PKA Type IIÎ± Holoenzyme Reveals a Combinatorial Strategy for Isoform Diversity. Science, 2007, 318, 274-279.	6.0	103
2	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
3	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
4	RIÎ± Subunit of PKA. Structure, 2004, 12, 1057-1065.	1.6	58
5	From structure to the dynamic regulation of a molecular switch: A journey over 3Âdecades. Journal of Biological Chemistry, 2021, 296, 100746.	1.6	49
6	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
7	An Isoform-Specific Myristylation Switch Targets Type II PKA Holoenzymes to Membranes. Structure, 2015, 23, 1563-1572.	1.6	38
8	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
9	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
10	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
11	Structure of a PKA RIÎ± Recurrent Acrodysostosis Mutant Explains Defective cAMP-Dependent Activation. Journal of Molecular Biology, 2016, 428, 4890-4904.	2.0	19
12	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
13	LRRK2 dynamics analysis identifies allosteric control of the crosstalk between its catalytic domains. PLoS Biology, 2022, 20, e3001427.	2.6	18
14	Discovery of allostery in PKA signaling. Biophysical Reviews, 2015, 7, 227-238.	1.5	14
15	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
16	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
17	Drugging the Undruggable: How Isoquinolines and PKA Initiated the Era of Designed Protein Kinase Inhibitor Therapeutics. Biochemistry, 2021, 60, 3470-3484.	1.2	5
18	PKA RIÎ± Holoenzyme Crystal Structure Reveals Its Allosteric Regulation and Carney Complex Disease Implications. FASEB Journal, 2018, 32, lb50.	0.2	1

#	Article	IF	Citations
19	Fifty Years Since the Discovery of PKA. FASEB Journal, 2002, 22, 412.3-412.3.	0.2	0
20	Crystal Structure of Type IIa Holoenzyme of PKA Defines the Molecular Basis of Isoform Diversity. FASEB Journal, 2006, 20, LB59.	0.2	0
21	PKA Type IIa Holoenzyme Structure Reveals Isoform Diversity for Inhibition of Catalysis. FASEB Journal, 2008, 22, 1011.3.	0.2	0
22	Evolution of allostery in the cyclic nucleotide binding module: A comparative genomics study. FASEB Journal, 2008, 22, 828.3.	0.2	0
23	Evolution of PKA Signaling: Structure of Yeast Regulatory Subunit. FASEB Journal, 2009, 23, 709.10.	0.2	0