

# Jonggul Kim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4609703/publications.pdf>

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11  
papers

384  
citations

1039880

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1281743

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docs citations

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567  
citing authors

#	ARTICLE	IF	CITATIONS
1	A dynamic hydrophobic core orchestrates allostery in protein kinases. <i>Science Advances</i> , 2017, 3, e1600663.	4.7	89
2	Synchronous Opening and Closing Motions Are Essential for cAMP-Dependent Protein Kinase A Signaling. <i>Structure</i> , 2014, 22, 1735-1743.	1.6	55
3	NMR mapping of protein conformational landscapes using coordinated behavior of chemical shifts upon ligand binding. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 6508-6518.	1.3	54
4	Dysfunctional conformational dynamics of protein kinase A induced by a lethal mutant of phospholamban hinder phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3716-3721.	3.3	43
5	FLAMEnGO 2.0: An enhanced fuzzy logic algorithm for structure-based assignment of methyl group resonances. <i>Journal of Magnetic Resonance</i> , 2014, 245, 17-23.	1.2	41
6	Globally correlated conformational entropy underlies positive and negative cooperativity in a kinase's enzymatic cycle. <i>Nature Communications</i> , 2019, 10, 799.	5.8	40
7	Uncoupling Catalytic and Binding Functions in the Cyclic AMP-Dependent Protein Kinase A. <i>Structure</i> , 2016, 24, 353-363.	1.6	19
8	Mapping the Hydrogen Bond Networks in the Catalytic Subunit of Protein Kinase A Using H/D Fractionation Factors. <i>Biochemistry</i> , 2015, 54, 4042-4049.	1.2	16
9	Multi-state recognition pathway of the intrinsically disordered protein kinase inhibitor by protein kinase A. <i>ELife</i> , 2020, 9, .	2.8	16
10	Simultaneous detection of intra- and inter-molecular paramagnetic relaxation enhancements in protein complexes. <i>Journal of Biomolecular NMR</i> , 2018, 70, 133-140.	1.6	9
11	A Semiautomated Assignment Protocol for Methyl Group Side Chains in Large Proteins. <i>Methods in Enzymology</i> , 2016, 566, 35-57.	0.4	2