

Phinikoula S Katsamba

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,036
citations

430874

18
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

3137
citing authors

#	ARTICLE	IF	CITATIONS
1	How clustered protocadherin binding specificity is tuned for neuronal self-/nonself-recognition. <i>ELife</i> , 2022, 11, .	6.0	18
2	Synaptogenic activity of the axon guidance molecule Robo2 underlies hippocampal circuit function. <i>Cell Reports</i> , 2021, 37, 109828.	6.4	18
3	Structural basis of adhesive binding by desmocollins and desmogleins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7160-7165.	7.1	137
4	Structural and energetic determinants of adhesive binding specificity in type I cadherins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4175-84.	7.1	78
5	Nectin ectodomain structures reveal a canonical adhesive interface. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 906-915.	8.2	104
6	T-cadherin structures reveal a novel adhesive binding mechanism. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 339-347.	8.2	118
7	Two-step adhesive binding by classical cadherins. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 348-357.	8.2	184
8	Splice Form Dependence of β -Neurexin/Neuroigin Binding Interactions. <i>Neuron</i> , 2010, 67, 61-74.	8.1	89
9	Linking molecular affinity and cellular specificity in cadherin-mediated adhesion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11594-11599.	7.1	217
10	A global benchmark study using affinity-based biosensors. <i>Analytical Biochemistry</i> , 2009, 386, 194-216.	2.4	85
11	Continuous-flow microfluidic printing of proteins for array-based applications including surface plasmon resonance imaging. <i>Analytical Biochemistry</i> , 2008, 373, 141-146.	2.4	69
12	Crystal Structures of β -Neurexin 1 and β -Neurexin 2 Ectodomains and Dynamics of Splice Insertion Sequence 4. <i>Structure</i> , 2008, 16, 410-421.	3.3	33
13	Comparative analysis of 10 small molecules binding to carbonic anhydrase II by different investigators using Biacore technology. <i>Analytical Biochemistry</i> , 2006, 359, 94-105.	2.4	98
14	Analyzing a kinetic titration series using affinity biosensors. <i>Analytical Biochemistry</i> , 2006, 349, 136-147.	2.4	352
15	Kinetic analysis of a high-affinity antibody/antigen interaction performed by multiple Biacore users. <i>Analytical Biochemistry</i> , 2006, 352, 208-221.	2.4	174
16	The role of positively charged amino acids and electrostatic interactions in the complex of U1A protein and U1 hairpin II RNA. <i>Nucleic Acids Research</i> , 2006, 34, 275-285.	14.5	73
17	Phosphoinositide-Containing Polymerized Liposomes: Stable Membrane-Mimetic Vesicles for Protein-Lipid Binding Analysis. <i>Bioconjugate Chemistry</i> , 2005, 16, 1475-1483.	3.6	50
18	Kinetic analysis of the role of the tyrosine 13, phenylalanine 56 and glutamine 54 network in the U1A/U1 hairpin II interaction. <i>Nucleic Acids Research</i> , 2005, 33, 2917-2928.	14.5	32

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19	Complex role of the $\hat{2}2\text{-}\hat{2}3$ Loop in the Interaction of U1A with U1 Hairpin II RNA. Journal of Biological Chemistry, 2002, 277, 33267-33274.	3.4	26
20	Two Functionally Distinct Steps Mediate High Affinity Binding of U1A Protein to U1 Hairpin II RNA. Journal of Biological Chemistry, 2001, 276, 21476-21481.	3.4	79