Phinikoula S Katsamba

List of Publications by Year
in descending order

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20	2,036	430874	752698
papers	citations	18 h-index	20 g-index

22	22	22	3137
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analyzing a kinetic titration series using affinity biosensors. Analytical Biochemistry, 2006, 349, 136-147.	2.4	352
2	Linking molecular affinity and cellular specificity in cadherin-mediated adhesion. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11594-11599.	7.1	217
3	Two-step adhesive binding by classical cadherins. Nature Structural and Molecular Biology, 2010, 17, 348-357.	8.2	184
4	Kinetic analysis of a high-affinity antibody/antigen interaction performed by multiple Biacore users. Analytical Biochemistry, 2006, 352, 208-221.	2.4	174
5	Structural basis of adhesive binding by desmocollins and desmogleins. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7160-7165.	7.1	137
6	T-cadherin structures reveal a novel adhesive binding mechanism. Nature Structural and Molecular Biology, 2010, 17, 339-347.	8.2	118
7	Nectin ectodomain structures reveal a canonical adhesive interface. Nature Structural and Molecular Biology, 2012, 19, 906-915.	8.2	104
8	Comparative analysis of 10 small molecules binding to carbonic anhydrase II by different investigators using Biacore technology. Analytical Biochemistry, 2006, 359, 94-105.	2.4	98
9	Splice Form Dependence of Î²-Neurexin/Neuroligin Binding Interactions. Neuron, 2010, 67, 61-74.	8.1	89
10	A global benchmark study using affinity-based biosensors. Analytical Biochemistry, 2009, 386, 194-216.	2.4	85
11	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
12	Structural and energetic determinants of adhesive binding specificity in type I cadherins. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4175-84.	7.1	78
13	The role of positively charged amino acids and electrostatic interactions in the complex of U1A protein and U1 hairpin II RNA. Nucleic Acids Research, 2006, 34, 275-285.	14.5	73
14	Continuous-flow microfluidic printing of proteins for array-based applications including surface plasmon resonance imaging. Analytical Biochemistry, 2008, 373, 141-146.	2.4	69
15	Phosphoinositide-Containing Polymerized Liposomes:â€‰ Stable Membrane-Mimetic Vesicles for Proteinâ^'Lipid Binding Analysis. Bioconjugate Chemistry, 2005, 16, 1475-1483.	3.6	50
16	Crystal Structures of Î²-Neurexin 1 and Î²-Neurexin 2 Ectodomains and Dynamics of Splice Insertion Sequence 4. Structure, 2008, 16, 410-421.	3.3	33
17	Kinetic analysis of the role of the tyrosine 13, phenylalanine 56 and glutamine 54 network in the U1A/U1 hairpin II interaction. Nucleic Acids Research, 2005, 33, 2917-2928.	14.5	32
18	Complex role of the Î²2-Î²3 Loop in the Interaction of U1A with U1 Hairpin II RNA. Journal of Biological Chemistry, 2002, 277, 33267-33274.	3.4	26

#	Article	IF	Citations
19	Synaptogenic activity of the axon guidance molecule Robo2 underlies hippocampal circuit function. Cell Reports, 2021, 37, 109828.	6.4	18
20	How clustered protocadherin binding specificity is tuned for neuronal self-/nonself-recognition. ELife, 2022, 11, .	6.0	18