

Krupakar Parthasarathy

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

900
citations

759233

12
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

991
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and Inhibition of the SARS Coronavirus Envelope Protein Ion Channel. <i>PLoS Pathogens</i> , 2009, 5, e1000511.	4.7	216
2	Conductance and amantadine binding of a pore formed by a lysine-flanked transmembrane domain of SARS coronavirus envelope protein. <i>Protein Science</i> , 2007, 16, 2065-2071.	7.6	157
3	Model of a Putative Pore: The Pentameric α -Helical Bundle of SARS Coronavirus E Protein in Lipid Bilayers. <i>Biophysical Journal</i> , 2006, 91, 938-947.	0.5	96
4	The Transmembrane Oligomers of Coronavirus Protein E. <i>Biophysical Journal</i> , 2005, 88, 1283-1290.	0.5	81
5	Structural Flexibility of the Pentameric SARS Coronavirus Envelope Protein Ion Channel. <i>Biophysical Journal</i> , 2008, 95, L39-L41.	0.5	71
6	Pectin mediated gold nanoparticles induces apoptosis in mammary adenocarcinoma cell lines. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 1030-1040.	7.5	60
7	Commercial Yeast Extracts Mediated Green Synthesis of Silver Chloride Nanoparticles and their Anti-mycobacterial Activity. <i>Journal of Cluster Science</i> , 2020, 31, 287-291.	3.3	46
8	Association of the components of the binary toxin from <i>Bacillus sphaericus</i> in solution and with model lipid bilayers. <i>Biochemical and Biophysical Research Communications</i> , 2006, 342, 1273-1278.	2.1	35
9	Expression and purification of coronavirus envelope proteins using a modified β -barrel construct. <i>Protein Expression and Purification</i> , 2012, 85, 133-141.	1.3	31
10	Understanding aggregation-based assays: nature of protein corona and number of epitopes on antigen matters. <i>RSC Advances</i> , 2015, 5, 14982-14993.	3.6	28
11	Discovery of a Novel Mycobacterial F_1F_0 ATP Synthase Inhibitor and its Potency in Combination with Diarylquinolines. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13295-13304.	13.8	28
12	Transmembrane helices that form two opposite homodimeric interactions: An asparagine scan study of β 1 and β 2 integrins. <i>Protein Science</i> , 2008, 17, 930-938.	7.6	14
13	A Transmembrane Polar Interaction Is Involved in the Functional Regulation of Integrin β 2. <i>Journal of Molecular Biology</i> , 2010, 398, 569-583.	4.2	13
14	A conserved tetrameric interaction of cry toxin helix α 3 suggests a functional role for toxin oligomerization. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1777-1784.	2.6	11
15	Potential applications of lactic acid bacteria and bacteriocins in anti-mycobacterial therapy. <i>Asian Pacific Journal of Tropical Medicine</i> , 2018, 11, 453.	0.8	9
16	Discovery of a Novel Mycobacterial F_1F_0 ATP Synthase Inhibitor and its Potency in Combination with Diarylquinolines. <i>Angewandte Chemie</i> , 2020, 132, 13397-13406.	2.0	4
17	Optimized sequential purification protocol for in vivo site-specific biotinylated full-length dengue virus capsid protein. <i>Protein Engineering, Design and Selection</i> , 2013, 26, 377-387.	2.1	0