

# Anchala Kumari

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

335  
citations

758635

12  
h-index

887659

17  
g-index

24  
all docs

24  
docs citations

24  
times ranked

548  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antitussive noscapine and antiviral drug conjugates as arsenal against COVID-19: a comprehensive chemoinformatics analysis. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 101-116.	2.0	40
2	Role of <i>pncA</i> gene mutations W68R and W68G in pyrazinamide resistance. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 2567-2578.	1.2	29
3	Natural polyphenolic inhibitors against the antiapoptotic BCL-2. <i>Journal of Receptor and Signal Transduction Research</i> , 2017, 37, 391-400.	1.3	25
4	Synergistic approaches unraveling regulation and aggregation of intrinsically disordered $\beta$ -amyloids implicated in Alzheimer's disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 99, 19-27.	1.2	23
5	Cytotoxic T-lymphocyte elicited vaccine against SARS-CoV-2 employing immunoinformatics framework. <i>Scientific Reports</i> , 2021, 11, 7653.	1.6	22
6	Dual inhibition of SARS-CoV-2 spike and main protease through a repurposed drug, rutin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, , 1-13.	2.0	20
7	Alanine mutation of the catalytic sites of Pantothenate Synthetase causes distinct conformational changes in the ATP binding region. <i>Scientific Reports</i> , 2018, 8, 903.	1.6	18
8	Wild-type catalase peroxidase vs G279D mutant type: Molecular basis of Isoniazid drug resistance in <i>Mycobacterium tuberculosis</i> . <i>Gene</i> , 2018, 641, 226-234.	1.0	18
9	Gene disruption reveals a dispensable role for Plasmeprin VII in the <i>Plasmodium berghei</i> life cycle. <i>Molecular and Biochemical Parasitology</i> , 2014, 195, 10-13.	0.5	17
10	In silico analysis of natural compounds targeting structural and nonstructural proteins of chikungunya virus. <i>F1000Research</i> , 2017, 6, 1601.	0.8	16
11	Conformational Ensembles of $\beta$ -Synuclein Derived Peptide with Different Osmolytes from Temperature Replica Exchange Sampling. <i>Frontiers in Neuroscience</i> , 2017, 11, 684.	1.4	15
12	Bleomycin modulates amyloid aggregation in $\beta$ -amyloid and hIAPP. <i>RSC Advances</i> , 2020, 10, 25929-25946.	1.7	15
13	In silico analysis of natural compounds targeting structural and nonstructural proteins of chikungunya virus. <i>F1000Research</i> , 2017, 6, 1601.	0.8	15
14	HHV-5 epitope: A potential vaccine candidate with high antigenicity and large coverage. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 2098-2109.	2.0	13
15	1,3,4-oxadiazole conjugates of capsaicin as potent NorA efflux pump inhibitors of <i>Staphylococcus aureus</i> . <i>Bioorganic Chemistry</i> , 2021, 113, 105031.	2.0	9
16	Ameliorating amyloid aggregation through osmolytes as a probable therapeutic molecule against Alzheimer's disease and type 2 diabetes. <i>RSC Advances</i> , 2020, 10, 12166-12182.	1.7	8
17	Insight into the inhibitor discrimination by <i>FLT3</i> <sup>ΔF691L</sup> . <i>Chemical Biology and Drug Design</i> , 2018, 91, 1056-1064.	1.5	6
18	Structural investigations on mechanism of lapatinib resistance caused by HER-2 mutants. <i>PLoS ONE</i> , 2018, 13, e0190942.	1.1	6

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19	Dissecting the role of mutations in chymase inhibition: Free energy and decomposition analysis. <i>Gene</i> , 2017, 609, 68-79.	1.0	4
20	The polyphenolic phytoalexin polydatin inhibits amyloid aggregation of recombinant human prion protein. <i>RSC Advances</i> , 2021, 11, 25901-25911.	1.7	4
21	Engineering a multi epitope vaccine against SARS-CoV-2 by exploiting its non structural and structural proteins. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 9096-9113.	2.0	4
22	Structural basis for isoniazid resistance in KatG double mutants of <i>Mycobacterium tuberculosis</i> . <i>Microbial Pathogenesis</i> , 2019, 129, 152-160.	1.3	3
23	Inhibitory mechanism of an antifungal drug, caspofungin against amyloid $\beta$ peptide aggregation: Repurposing via neuroinformatics and an experimental approach. <i>Molecular and Cellular Neurosciences</i> , 2021, 112, 103612.	1.0	3
24	Assessing the role of osmolytes on the conformational harmony of islet amyloid polypeptide. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2569-2582.	3.6	2