

Soumendra Rana

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

316
citations

932766

10
h-index

887659

17
g-index

20
all docs

20
docs citations

20
times ranked

304
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal Structures of Pyridine Sulfonamides and Sulfonic Acids. <i>Crystal Growth and Design</i> , 2012, 12, 4567-4573.	1.4	43
2	Stereospecific peptide folds. A rationally designed molecular bracelet. <i>Chemical Communications</i> , 2004, , 2462.	2.2	29
3	A small peptide stereochemically customized as a globular fold with a molecular cleft. <i>Chemical Communications</i> , 2005, , 207.	2.2	29
4	Determinants of the specificity of protease-activated receptors 1 and 2 signaling by factor Xa and thrombin. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 977-984.	1.2	22
5	A mixed $\alpha_1\beta_2$ miniprotein stereochemically reprogrammed to high binding affinity for acetylcholine. <i>Biopolymers</i> , 2007, 87, 231-243.	1.2	21
6	Third Extracellular Loop (EC3)-N Terminus Interaction Is Important for Seven-transmembrane Domain Receptor Function. <i>Journal of Biological Chemistry</i> , 2010, 285, 31472-31483.	1.6	20
7	A double catgrip mixed l and d mini protein only 20 residues long. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 3874-3882.	1.4	18
8	The Model Structures of the Complement Component 5a Receptor (C5aR) Bound to the Native and Engineered hC5a. <i>Scientific Reports</i> , 2018, 8, 2955.	1.6	17
9	A rational search for discovering potential neutraligands of human complement fragment 5a (hC5a). <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 115052.	1.4	16
10	Model structures of inactive and peptide agonist bound C5aR: Insights into agonist binding, selectivity and activation. <i>Biochemistry and Biophysics Reports</i> , 2015, 1, 85-96.	0.7	14
11	Binding of raloxifene to human complement fragment 5a (^h C5a): a perspective on cytokine storm and COVID19. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 982-994.	2.0	11
12	Resveratrol binding to human complement fragment 5a (^h C5a) may modulate the C5aR signaling axes. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 1766-1780.	2.0	11
13	The role of human C5a as a non-genomic target in corticosteroid therapy for management of severe COVID19. <i>Computational Biology and Chemistry</i> , 2021, 92, 107482.	1.1	11
14	Interaction of Human C5a with the Major Peptide Fragments of C5aR1: Direct Evidence in Support of a Two-Site Binding Paradigm. <i>ACS Omega</i> , 2021, 6, 22876-22887.	1.6	11
15	Computational design of proteins stereochemically optimized in size, stability, and folding speed. <i>Biopolymers</i> , 2006, 83, 122-134.	1.2	10
16	Structural complexes of the agonist, inverse agonist and antagonist bound C5a receptor: insights into pharmacology and signaling. <i>Molecular BioSystems</i> , 2016, 12, 1586-1599.	2.9	10
17	Allosterism in human complement component 5a (^h C5a): a damper of C5a receptor (C5aR) signaling. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 1201-1213.	2.0	10
18	Solid State Form Screen of Cardiosulfa and Its Analogues. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1551-1568.	1.7	7

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19	Deciphering the conformational landscape of few selected aromatic noncoded amino acids (NCAAs) for applications in rational design of peptide therapeutics. <i>Amino Acids</i> , 2022, 54, 1183-1202.	1.2	6
20	De novo Design of Peptide Folds of Stereochemically Rationalized Molecular Architecture. , 2006, , 643-644.		0