Chandra S Verma

List of Publications by Year in Descending Order

39 papers	470 citations	11 h-index	20 g-index
45 ext. papers	659 ext. citations	5.9 avg, IF	3.8 L-index

#	Paper	IF	Citations
39	Molecular descriptors suggest stapling as a strategy for optimizing membrane permeability of cyclic peptides.. *Journal of Chemical Physics*, **2022**, 156, 065101	3.9	
38	How well does molecular simulation reproduce environment-specific conformations of the intrinsically disordered peptides PLP, TP2 and ONEG?. *Chemical Science*, **2022**, 13, 1957-1971	9.4	2
37	Discovery of cell active macrocyclic peptides with on-target inhibition of KRAS signaling.. *Chemical Science*, **2021**, 12, 15975-15987	9.4	11
36	Liquid-Liquid Phase Separation of Short Histidine- and Tyrosine-Rich Peptides: Sequence Specificity and Molecular Topology. *Journal of Physical Chemistry B*, **2021**, 125, 6776-6790	3.4	4
35	Computational Methods and Tools in Antimicrobial Peptide Research. *Journal of Chemical Information and Modeling*, **2021**, 61, 3172-3196	6.1	11
34	Computational Design of Macrocyclic Binders of S100B() Novel Peptide Theranostics. *Molecules*, **2021**, 26,	4.8	2
33	A chemical biology approach reveals a dependency of glioblastoma on biotin distribution. *Science Advances*, **2021**, 7, eabf6033	14.3	2
32	Macrocyclization of an all-d linear -helical peptide imparts cellular permeability. *Chemical Science*, **2020**, 11, 5577-5591	9.4	17
31	De-risking Drug Discovery of Intracellular Targeting Peptides: Screening Strategies to Eliminate False-Positive Hits. *ACS Medicinal Chemistry Letters*, **2020**, 11, 1993-2001	4.3	11
30	DStabilize: A Web Resource to Generate Mirror Images of Biomolecules. *Structure*, **2020**, 28, 1358-1360.e2	5.2	
29	Deciphering the mechanistic effects of eIF4E phosphorylation on mRNA-cap recognition. *Protein Science*, **2020**, 29, 1373-1386	6.3	9
28	DisorderOrder Interplay of a Barnacle Cement Protein Triggered by Interactions with Calcium and Carbonate Ions: A Molecular Dynamics Study. *Chemistry of Materials*, **2020**, 32, 8845-8859	9.6	5
27	Molecular modeling and interaction between Arabidopsis sulfite oxidase and the GW motif of Turnip crinkle virus coat protein. *Virology*, **2020**, 551, 64-74	3.6	0
26	Dissecting the Molecular Mechanism of Colistin Resistance in -1 Bacteria. *Journal of Chemical Information and Modeling*, **2020**, 60, 4975-4984	6.1	4
25	Extending the Martini Coarse-Grained Force Field to -Glycans. *Journal of Chemical Information and Modeling*, **2020**, 60, 3864-3883	6.1	7
24	Critical Role for Cold Shock Protein YB-1 in Cytokinesis. *Cancers*, **2020**, 12,	6.6	4
23	Straightforward Incorporation of Multiple Ligand Types into Molecular Dynamics Simulations for Efficient Binding Site Detection and Characterization. *Journal of Chemical Theory and Computation*, **2020**, 16, 6633-6644	6.4	6

22	Molecular basis of dengue virus serotype 2 morphological switch from 29°C to 37°C. *PLoS Pathogens*, **2019**, 15, e1007996	7.6	8
21	Structural insights reveal a recognition feature for tailoring hydrocarbon stapled-peptides against the eukaryotic translation initiation factor 4E protein. *Chemical Science*, **2019**, 10, 2489-2500	9.4	12
20	Targeted covalent inhibitors of MDM2 using electrophile-bearing stapled peptides. *Chemical Communications*, **2019**, 55, 7914-7917	5.8	12
19	Stereoisomerism of stapled peptide inhibitors of the p53-Mdm2 interaction: an assessment of synthetic strategies and activity profiles. *Chemical Science*, **2019**, 10, 6457-6466	9.4	12
18	Characterization of Hydration Properties in Structural Ensembles of Biomolecules. *Journal of Chemical Information and Modeling*, **2019**, 59, 3316-3329	6.1	3
17	Exploring Gatekeeper Mutations in EGFR through Computer Simulations. *Journal of Chemical Information and Modeling*, **2019**, 59, 2850-2858	6.1	3
16	Inhibiting S100B(I)for Activating Wild-Type p53: Design of Stapled Peptides. *ACS Omega*, **2019**, 4, 5335-5344	3.9	5
15	Efficient development of stable and highly functionalised peptides targeting the CK2βCK2α protein-protein interaction. *Chemical Science*, **2019**, 10, 5056-5063	9.4	20
14	Discovering Putative Protein Targets of Small Molecules: A Study of the p53 Activator Nutlin. *Journal of Chemical Information and Modeling*, **2019**, 59, 1529-1546	6.1	9
13	A Novel Determinant of PSMD9 PDZ Binding Guides the Evolution of the First Generation of Super Binding Peptides. *Biochemistry*, **2019**, 58, 3422-3433	3.2	6
12	Effects of Single Nucleotide Polymorphisms on the Binding of Afatinib to EGFR: A Potential Patient Stratification Factor Revealed by Modeling Studies. *Journal of Chemical Information and Modeling*, **2019**, 59, 309-315	6.1	2
11	Molecular Insights into the Membrane Affinities of Model Hydrophobes. *ACS Omega*, **2018**, 3, 2498-2507	3.9	7
10	Optimization of Selective Mitogen-Activated Protein Kinase Interacting Kinases 1 and 2 Inhibitors for the Treatment of Blast Crisis Leukemia. *Journal of Medicinal Chemistry*, **2018**, 61, 4348-4369	8.3	23
9	Comparison of Charge Derivation Methods Applied to Amino Acid Parameterization. *ACS Omega*, **2018**, 3, 4664-4673	3.9	4
8	Conformational Transitions of Melittin between Aqueous and Lipid Phases: Comparison of Simulations with Experiments. *Journal of Physical Chemistry B*, **2018**, 122, 8698-8705	3.4	6
7	A Funneled Conformational Landscape Governs Flavivirus Fusion Peptide Interaction with Lipid Membranes. *Journal of Chemical Theory and Computation*, **2018**, 14, 3920-3932	6.4	6
6	Modeling the full length HIV-1 Gag polyprotein reveals the role of its p6 subunit in viral maturation and the effect of non-cleavage site mutations in protease drug resistance. *Journal of Biomolecular Structure and Dynamics*, **2018**, 36, 4366-4377	3.6	22
5	Stapled peptides with improved potency and specificity that activate p53. *ACS Chemical Biology*, **2013**, 8, 506-12	4.9	169

4	Stabilizing the eIF4G1 helix increases its binding affinity with eIF4E: implications for peptidomimetic design strategies. *Journal of Molecular Biology*, **2011**, 405, 736-53	6.5	19
3	C-terminal substitution of MDM2 interacting peptides modulates binding affinity by distinctive mechanisms. *PLoS ONE*, **2011**, 6, e24122	3.7	24
2	Critical role for cold shock protein YB-1 in cytokinesis		1
1	TRAF4 inhibits bladder cancer progression by promoting BMP/SMAD signalling pathway		1