

Anil Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

2,437
citations

759055

12
h-index

752573

20
g-index

21
all docs

21
docs citations

21
times ranked

2088
citing authors

#	ARTICLE	IF	CITATIONS
1	A Yeast System for Discovering Optogenetic Inhibitors of Eukaryotic Translation Initiation. ACS Synthetic Biology, 2019, 8, 744-757.	1.9	16
2	Automated design evolution of stereochemically randomized protein foldamers. Physical Biology, 2018, 15, 036001.	0.8	3
3	Duplication of a Single Strand in a β^2 -Sheet Can Produce a New Switching Function in a Photosensory Protein. Biochemistry, 2018, 57, 4093-4104.	1.2	1
4	lDeAS: automated design tool for hetero-chiral protein folds. Physical Biology, 2018, 15, 066005.	0.8	5
5	Scrutiny of chain-length and N-terminal effects in β -helix folding: a molecular dynamics study on polyaniline peptides. Journal of Biomolecular Structure and Dynamics, 2017, 35, 1923-1935.	2.0	9
6	Effect of tacticity-derived topological constraints in bactericidal peptides. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1388-1395.	1.4	30
7	Automated protein design: Landmarks and operational principles. Progress in Biophysics and Molecular Biology, 2017, 125, 24-35.	1.4	9
8	Scrutiny of electrostatic-driven conformational ordering of polypeptide chains in DMSO: a study with a model oligopeptide. RSC Advances, 2017, 7, 27981-27991.	1.7	7
9	Probing the role of electrostatics of polypeptide main-chain in protein folding by perturbing N-terminal residue stereochemistry: DFT study with oligoalanine models. RSC Advances, 2016, 6, 113611-113619.	1.7	2
10	Computational scrutiny of the effect of N-terminal proline and residue stereochemistry in the nucleation of β -helix fold. RSC Advances, 2016, 6, 74162-74176.	1.7	12
11	Origins of the Intermediate Spectral Form in M100 Mutants of Photoactive Yellow Protein. Photochemistry and Photobiology, 2015, 91, 985-991.	1.3	7
12	A Circularly Permuted Photoactive Yellow Protein as a Scaffold for Photoswitch Design. Biochemistry, 2013, 52, 3320-3331.	1.2	24
13	Stereochemistry and Solvent Role in Protein Folding: Nuclear Magnetic Resonance and Molecular Dynamics Studies of Poly-L and Alternating-L, D Homopolypeptides in Dimethyl Sulfoxide. Journal of Physical Chemistry B, 2011, 115, 6700-6708.	1.2	25
14	Stereochemistry and Protein Folding: Spectroscopic and Molecular Dynamics Studies of Homopolypeptides in DMSO. Biophysical Journal, 2011, 100, 209a.	0.2	0
15	Creating novel protein scripts beyond natural alphabets. Systems and Synthetic Biology, 2010, 4, 247-256.	1.0	17
16	Cured of "Stickiness", Poly-L β -Hairpin is Promoted with L-to-DD Mutation as a Protein and a Hydrolase Mimic. Journal of Physical Chemistry B, 2010, 114, 16887-16893.	1.2	14
17	Homochiral Stereochemistry: The Missing Link of Structure to Energetics in Protein Folding. Journal of Physical Chemistry B, 2009, 113, 16435-16442.	1.2	22
18	Analysis of the structural consensus of the zinc coordination centers of metalloprotein structures. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1247-1253.	1.1	98

#	ARTICLE	IF	CITATIONS
19	The Link between Sequence and Conformation in Protein Structures Appears To Be Stereochemically Established. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9314-9323.	1.2	49
20	The interplay of sequence and stereochemistry in defining conformation in proteins and polypeptides. <i>Biopolymers</i> , 2006, 83, 537-545.	1.2	30
21	A two-dimensional nuclear Overhauser enhancement (2D NOE) experiment for the elucidation of complete proton-proton cross-relaxation networks in biological macromolecules. <i>Biochemical and Biophysical Research Communications</i> , 1980, 95, 1-6.	1.0	2,057