Kumaran Baskaran

List of Publications by Year
in descending order

Version: 2024-02-01

19	1,227	759055 12	887953 17
papers	citations	h-index	g-index

19	19	19	2166
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Protein Data Bank: the single global archive for 3D macromolecular structure data. Nucleic Acids Research, 2019, 47, D520-D528.	6.5	671
2	Validation of Structures in the Protein Data Bank. Structure, 2017, 25, 1916-1927.	1.6	210
3	A PDB-wide, evolution-based assessment of protein-protein interfaces. BMC Structural Biology, 2014, 14, 22.	2.3	54
4	Announcing mandatory submission of PDBx/mmCIF format files for crystallographic depositions to the Protein Data Bank (PDB). Acta Crystallographica Section D: Structural Biology, 2019, 75, 451-454.	1.1	46
5	Worldwide Protein Data Bank biocuration supporting open access to high-quality 3D structural biology data. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	1.4	45
6	Understanding the fabric of protein crystals: computational classification of biological interfaces and crystal contacts. Bioinformatics, 2016, 32, 481-489.	1.8	37
7	BioMagResBank (BMRB) as a Resource for Structural Biology. Methods in Molecular Biology, 2020, 2112, 187-218.	0.4	35
8	NMR-STAR: comprehensive ontology for representing, archiving and exchanging data from nuclear magnetic resonance spectroscopic experiments. Journal of Biomolecular NMR, 2019, 73, 5-9.	1.6	32
9	An analysis of oligomerization interfaces in transmembrane proteins. BMC Structural Biology, 2013, 13, 21.	2.3	29
10	Increasing rigor in NMR-based metabolomics through validated and open source tools. Current Opinion in Biotechnology, 2017, 43, 56-61.	3.3	20
11	Structure determination using solution NMR: Is it worth the effort?. Journal of Magnetic Resonance, 2019, 306, 195-201.	1.2	18
12	Mapping of protein structural ensembles by chemical shifts. Journal of Biomolecular NMR, 2010, 48, 71-83.	1.6	16
13	Anomalous amide proton chemical shifts as signatures of hydrogen bonding to aromatic sidechains. Magnetic Resonance, 2021, 2, 765-775.	0.8	5
14	Stereospecific Assignment of the Asparagine and Glutamine Side Chain Amide Protons in Random-Coil Peptides by Combination of Molecular Dynamic Simulations with Relaxation Matrix Calculations. Applied Magnetic Resonance, 2013, 44, 319-331.	0.6	3
15	Chemical shift optimization in multidimensional NMR spectra by AUREMOL-SHIFTOPT. Journal of Biomolecular NMR, 2009, 43, 197-210.	1.6	2
16	Protein structure calculation with data imputation: the use of substitute restraints. Journal of Biomolecular NMR, 2009, 45, 397-411.	1.6	2
17	Merging NMR Data and Computation Facilitates Data-Centered Research. Frontiers in Molecular Biosciences, 2021, 8, 817175.	1.6	2
18	Analyzing protein-protein contacts at the PDB-wide level. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s274-s274.	0.0	0

#	Article	IF	Citations
19	The life and times of the PDB format â€“ looking towards the future with mmCIF. Acta Crystallographica Section A: Foundations and Advances, 2021, 77, a193-a193.	0.0	0