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	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
2	Anomalous amide proton chemical shifts as signatures of hydrogen bonding to aromatic sidechains. Magnetic Resonance, 2021, 2, 765-775.	0.8	5
3	Merging NMR Data and Computation Facilitates Data-Centered Research. Frontiers in Molecular Biosciences, 2021, 8, 817175.	1.6	2
4	BioMagResBank (BMRB) as a Resource for Structural Biology. Methods in Molecular Biology, 2020, 2112, 187-218.	0.4	35
5	Structure determination using solution NMR: Is it worth the effort?. Journal of Magnetic Resonance, 2019, 306, 195-201.	1.2	18
6	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
7	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
8	Protein Data Bank: the single global archive for 3D macromolecular structure data. Nucleic Acids Research, 2019, 47, D520-D528.	6.5	671
9	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
10	Validation of Structures in the Protein Data Bank. Structure, 2017, 25, 1916-1927.	1.6	210
11	Increasing rigor in NMR-based metabolomics through validated and open source tools. Current Opinion in Biotechnology, 2017, 43, 56-61.	3.3	20
12	Understanding the fabric of protein crystals: computational classification of biological interfaces and crystal contacts. Bioinformatics, 2016, 32, 481-489.	1.8	37
13	Analyzing protein-protein contacts at the PDB-wide level. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s274-s274.	0.0	0
14	A PDB-wide, evolution-based assessment of protein-protein interfaces. BMC Structural Biology, 2014, 14, 22.	2.3	54
15	An analysis of oligomerization interfaces in transmembrane proteins. BMC Structural Biology, 2013, 13, 21.	2.3	29
16	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
17	Mapping of protein structural ensembles by chemical shifts. Journal of Biomolecular NMR, 2010, 48, 71-83.	1.6	16
18	Chemical shift optimization in multidimensional NMR spectra by AUREMOL-SHIFTOPT. Journal of Biomolecular NMR, 2009, 43, 197-210.	1.6	2

#	Article	IF	Citations
19	Protein structure calculation with data imputation: the use of substitute restraints. Journal of Biomolecular NMR, 2009, 45, 397-411.	1.6	2