Lin Frank Song

List of Publications by Year
in descending order

17	1,616	858243 12	939365 18
papers	citations	h-index	g-index

21	21	21	3374
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of an Inhibitor on the ACE2-Receptor-Binding Domain of SARS-CoV-2. Journal of Chemical Information and Modeling, 2022, 62, 6574-6585.	2.5	9
2	Parameterization of Monovalent Ions for the OPC3, OPC, TIP3P-FB, and TIP4P-FB Water Models. Journal of Chemical Information and Modeling, 2021, 61, 869-880.	2.5	81
3	Parametrization of Trivalent and Tetravalent Metal Ions for the OPC3, OPC, TIP3P-FB, and TIP4P-FB Water Models. Journal of Chemical Theory and Computation, 2021, 17, 2342-2354.	2.3	23
4	FFENCODER-PL: Pair Wise Energy Descriptors for Protein-Ligand Pose Selection. Journal of Chemical Theory and Computation, 2021, 17, 6647-6657.	2.3	1
5	Evolution of Alchemical Free Energy Methods in Drug Discovery. Journal of Chemical Information and Modeling, 2020, 60, 5308-5318.	2.5	66
6	Systematic Parametrization of Divalent Metal Ions for the OPC3, OPC, TIP3P-FB, and TIP4P-FB Water Models. Journal of Chemical Theory and Computation, 2020, 16, 4429-4442.	2.3	58
7	Thermodynamics of Transition Metal Ion Binding to Proteins. Journal of the American Chemical Society, 2020, 142, 6365-6374.	6.6	28
8	Pair Potentials as Machine Learning Features. Journal of Chemical Theory and Computation, 2020, 16, 5385-5400.	2.3	4
9	Random Forest Refinement of Pairwise Potentials for Proteinâ€“Ligand Decoy Detection. Journal of Chemical Information and Modeling, 2019, 59, 3305-3315.	2.5	14
10	Using AMBER18 for Relative Free Energy Calculations. Journal of Chemical Information and Modeling, 2019, 59, 3128-3135.	2.5	138
11	The Role of the Active Site Flap in Streptavidin/Biotin Complex Formation. Journal of the American Chemical Society, 2018, 140, 5434-5446.	6.6	16
12	Generation of Pairwise Potentials Using Multidimensional Data Mining. Journal of Chemical Theory and Computation, 2018, 14, 5045-5067.	2.3	12
13	Detailed potential of mean force studies on hostâ€“guest systems from the SAMPL6 challenge. Journal of Computer-Aided Molecular Design, 2018, 32, 1013-1026.	1.3	15
14	Mechanism of Formation of the Nonstandard Product in the Prenyltransferase Reaction of the G115T Mutant of FtmPT1: A Case of Reaction Dynamics Calling the Shots?. Biochemistry, 2017, 56, 2995-3007.	1.2	4
15	Systematic Parameterization of Monovalent Ions Employing the Nonbonded Model. Journal of Chemical Theory and Computation, 2015, 11, 1645-1657.	2.3	334
16	Parameterization of Highly Charged Metal Ions Using the 12-6-4 LJ-Type Nonbonded Model in Explicit Water. Journal of Physical Chemistry B, 2015, 119, 883-895.	1.2	237
17	Phenylenediamine-Based FeN_x/C Catalyst with High Activity for Oxygen Reduction in Acid Medium and Its Active-Site Probing. Journal of the American Chemical Society, 2014, 136, 10882-10885.	6.6	566