

Florian Hofer

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

247
citations

933264

10
h-index

1058333

14
g-index

20
all docs

20
docs citations

20
times ranked

275
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic Site p <i>K_a</i> Values of Aspartic, Cysteine, and Serine Proteases: Constant pH MD Simulations. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 3030-3042.	2.5	44
2	Polarizable and non-polarizable force fields: Protein folding, unfolding, and misfolding. <i>Journal of Chemical Physics</i> , 2020, 153, 185102.	1.2	26
3	Conformational Ensembles of Antibodies Determine Their Hydrophobicity. <i>Biophysical Journal</i> , 2021, 120, 143-157.	0.2	23
4	Conformational selection of allergen-antibody complexes—surface plasticity of paratopes and epitopes. <i>Protein Engineering, Design and Selection</i> , 2019, 32, 513-523.	1.0	17
5	Mutation of Framework Residue H71 Results in Different Antibody Paratope States in Solution. <i>Frontiers in Immunology</i> , 2021, 12, 630034.	2.2	17
6	Mechanisms Responsible for \bar{I}_{Pore} -Pore Currents in Ca ^v Calcium Channel Voltage-Sensing Domains. <i>Biophysical Journal</i> , 2017, 113, 1485-1495.	0.2	16
7	X-Entropy: A Parallelized Kernel Density Estimator with Automated Bandwidth Selection to Calculate Entropy. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 1533-1538.	2.5	16
8	Macrocycle Cell Permeability Measured by Solvation Free Energies in Polar and Apolar Environments. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 3508-3517.	2.5	15
9	Inverse relation between structural flexibility and IgE reactivity of Cor a 1 hazelnut allergens. <i>Scientific Reports</i> , 2021, 11, 4173.	1.6	14
10	Solvation Thermodynamics in Different Solvents: Water—Chloroform Partition Coefficients from Grid Inhomogeneous Solvation Theory. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 3843-3853.	2.5	11
11	pH-Dependent Protonation of the Phl p 6 Pollen Allergen Studied by NMR and cpH-aMD. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 5716-5726.	2.3	10
12	Structure and Zeatin Binding of the Peach Allergen Pru p 1. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 8120-8129.	2.4	10
13	In silico Design of Phl p 6 Variants With Altered Fold-Stability Significantly Impacts Antigen Processing, Immunogenicity and Immune Polarization. <i>Frontiers in Immunology</i> , 2020, 11, 1824.	2.2	8
14	Dynamics Rationalize Proteolytic Susceptibility of the Major Birch Pollen Allergen Bet v 1. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 18.	1.6	6
15	pH-Induced Local Unfolding of the Phl p 6 Pollen Allergen From cpH-MD. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 603644.	1.6	5
16	Implementation of the Freely Jointed Chain Model to Assess Kinetics and Thermodynamics of Thermosensitive Coil—Globule Transition by Markov States. <i>Journal of Physical Chemistry B</i> , 2021, 125, 4898-4909.	1.2	4
17	Grid inhomogeneous solvation theory for cross-solvation in rigid solvents. <i>Journal of Chemical Physics</i> , 2022, 156, .	1.2	3
18	Profiling selectivity of chagasin mutants towards cysteine proteases cruzain or cathepsin L through molecular dynamics simulations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 39, 1-13.	2.0	1

#	ARTICLE	IF	CITATIONS
19	Conformational Shifts of Stacked Heteroaromatics: Vacuum vs. Water Studied by Machine Learning. <i>Frontiers in Chemistry</i> , 2021, 9, 641610.	1.8	1