

Christian Bartels

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

10,271
citations

430874

18
h-index

552781

26
g-index

31
all docs

31
docs citations

31
times ranked

13165
citing authors

#	ARTICLE	IF	CITATIONS
1	CHARMM: The biomolecular simulation program. <i>Journal of Computational Chemistry</i> , 2009, 30, 1545-1614.	3.3	7,077
2	The program XEASY for computer-supported NMR spectral analysis of biological macromolecules. <i>Journal of Biomolecular NMR</i> , 1995, 6, 1-10.	2.8	1,570
3	Multidimensional adaptive umbrella sampling: Applications to main chain and side chain peptide conformations. <i>Journal of Computational Chemistry</i> , 1997, 18, 1450-1462.	3.3	289
4	Solution conformations and thermodynamics of structured peptides: molecular dynamics simulation with an implicit solvation model. <i>Journal of Molecular Biology</i> , 1998, 284, 835-848.	4.2	228
5	Probability Distributions for Complex Systems: Adaptive Umbrella Sampling of the Potential Energy. <i>Journal of Physical Chemistry B</i> , 1998, 102, 865-880.	2.6	178
6	QSAR – How Good Is It in Practice? Comparison of Descriptor Sets on an Unbiased Cross Section of Corporate Data Sets. <i>Journal of Chemical Information and Modeling</i> , 2006, 46, 1924-1936.	5.4	135
7	GARANT-a general algorithm for resonance assignment of multidimensional nuclear magnetic resonance spectra. <i>Journal of Computational Chemistry</i> , 1997, 18, 139-149.	3.3	129
8	Automated sequence-specific NMR assignment of homologous proteins using the program GARANT. <i>Journal of Biomolecular NMR</i> , 1996, 7, 207-13.	2.8	117
9	Fast algorithm for peptide sequencing by mass spectroscopy. <i>Biological Mass Spectrometry</i> , 1990, 19, 363-368.	0.5	112
10	Analyzing biased Monte Carlo and molecular dynamics simulations. <i>Chemical Physics Letters</i> , 2000, 331, 446-454.	2.6	83
11	Effective atom volumes for implicit solvent models: comparison between Voronoi volumes and minimum fluctuation volumes. <i>Journal of Computational Chemistry</i> , 2001, 22, 1857-1879.	3.3	61
12	Correlations between FEV1 and patient-reported outcomes: A pooled analysis of 23 clinical trials in patients with chronic obstructive pulmonary disease. <i>Pulmonary Pharmacology and Therapeutics</i> , 2018, 49, 11-19.	2.6	41
13	Determination of equilibrium properties of biomolecular systems using multidimensional adaptive umbrella sampling. <i>Journal of Chemical Physics</i> , 1999, 111, 8048-8067.	3.0	40
14	Determination of the pharmacokinetics of glycopyrronium in the lung using a population pharmacokinetic modelling approach. <i>British Journal of Clinical Pharmacology</i> , 2013, 76, 868-879.	2.4	40
15	A Novel Reduced-Dimensionality Triple-Resonance Experiment for Efficient Polypeptide Backbone Assignment, 3D HN N. <i>Journal of Magnetic Resonance Series B</i> , 1995, 108, 197-203.	1.6	37
16	Solution conformations of structured peptides: continuum electrostatics versus distance-dependent dielectric functions. <i>Theoretical Chemistry Accounts</i> , 1999, 101, 194-204.	1.4	30
17	Characterization of flexible molecules in solution: the RGDW peptide 1 Edited by B. Honig. <i>Journal of Molecular Biology</i> , 1998, 284, 1641-1660.	4.2	23
18	A randomized, double-blind study to compare the efficacy and safety of two doses of mometasone furoate delivered via Breezhaler® or Twisthaler® in patients with asthma. <i>Pulmonary Pharmacology and Therapeutics</i> , 2020, 62, 101919.	2.6	14

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19	Adaptive umbrella sampling of the potential energy: modified updating procedure of the umbrella potential and application to peptide folding. <i>Theoretical Chemistry Accounts</i> , 1999, 101, 62-66.	1.4	13
20	Absolute free energies of binding of peptide analogs to the HIV-1 protease from molecular dynamics simulations. <i>Journal of Computational Chemistry</i> , 2005, 26, 1294-1305.	3.3	8
21	A spectral correlation function for efficient sequential NMR assignments of uniformly ¹⁵ N-labeled proteins. <i>Journal of Biomolecular NMR</i> , 1994, 4, 775-785.	2.8	7
22	Estimands – What they are and why they are important for pharmacometricians. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2021, 10, 279-282.	2.5	6
23	Dose bridging data for mometasone furoate in once-daily fixed-dose inhaled combinations of mometasone furoate/indacaterol and mometasone furoate/indacaterol/glycopyrronium in patients with asthma. <i>Pulmonary Pharmacology and Therapeutics</i> , 2021, 70, 102068.	2.6	6
24	Population pharmacokinetics of IND/GLY (indacaterol/glycopyrronium) in COPD patients. <i>International Journal of Clinical Pharmacology and Therapeutics</i> , 2016, 54, 405-414.	0.6	5
25	Population Pharmacokinetic Analysis of Indacaterol/Glycopyrronium/Mometasone Furoate After Administration of Combination Therapies Using the Breezhaler® Device in Patients with Asthma. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2021, 46, 487-504.	1.6	2
26	Relationship between change in trough FEV1 and COPD patient outcomes: Pooled analysis of 23 clinical trials in patients with COPD. , 2015, , .		2
27	Relationship Between Change in Trough FEV 1 and COPD Patient Outcomes: Exploring the Pharmacological Class Effect of Bronchodilators. <i>Chest</i> , 2015, 148, 719A.	0.8	0
28	Confidence intervals with maximal average power. <i>Communications in Statistics - Theory and Methods</i> , 2020, , 1-17.	1.0	0
29	Inverse probability of censoring weighting for visual predictive checks of time-to-event models with time-varying covariates. <i>Pharmaceutical Statistics</i> , 2021, 20, 1051-1060.	1.3	0