Sven Jakobtorweihen

List of Publications by Year
in descending order

15 papers	338 citations	840585 11 h-index	996849 15 g-index
15 all docs	15 docs citations	15 times ranked	411 citing authors

#	Article	IF	Citations
1	Shedding light on the puzzle of drug-membrane interactions: Experimental techniques and molecular dynamics simulations. Progress in Lipid Research, 2017, 65, 24-44.	5.3	57
2	Thermodynamic and Transport Properties Modeling of Deep Eutectic Solvents: A Review on g^E-Models, Equations of State, and Molecular Dynamics. Journal of Chemical & Engineering Data, 2020, 65, 943-967.	1.0	52
3	Combination of COSMOmic and molecular dynamics simulations for the calculation of membraneâ€“water partition coefficients. Journal of Computational Chemistry, 2013, 34, 1332-1340.	1.5	50
4	Impact of deep eutectic solvents (DESs) and individual DES components on alcohol dehydrogenase catalysis: connecting experimental data and molecular dynamics simulations. Green Chemistry, 2022, 24, 1120-1131.	4.6	37
5	Modeling Alcohol Dehydrogenase Catalysis in Deep Eutectic Solvent/Water Mixtures. ChemBioChem, 2020, 21, 811-817.	1.3	28
6	Grand canonical molecular dynamics simulations of transport diffusion in geometrically heterogeneous pores. Physical Chemistry Chemical Physics, 2003, 5, 369-375.	1.3	23
7	Comparison and Validation of Force Fields for Deep Eutectic Solvents in Combination with Water and Alcohol Dehydrogenase. Journal of Chemical Theory and Computation, 2021, 17, 5322-5341.	2.3	17
8	Adsorption of Proteins onto Ion-Exchange Chromatographic Media: A Molecular Dynamics Study. Industrial & Engineering Chemistry Research, 2012, 51, 16049-16058.	1.8	16
9	Metronidazole within phosphatidylcholine lipid membranes: New insights to improve the design of imidazole derivatives. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 129, 204-214.	2.0	13
10	Predicting Critical Micelle Concentrations with Molecular Dynamics Simulations and COSMOmic. Chemie-Ingenieur-Technik, 2017, 89, 1288-1296.	0.4	11
11	Unraveling Alcohol Dehydrogenase Catalysis in Organicâ€“Aqueous Biphasic Systems Combining Experiments and Molecular Dynamics Simulations. ACS Catalysis, 2022, 12, 9171-9180.	5.5	11
12	Molecular Dynamics Simulations of a Binary Protein Mixture Adsorption onto Ion-Exchange Adsorbent. Industrial & Engineering Chemistry Research, 2015, 54, 2794-2802.	1.8	8
13	Lessons Learned from the Calculation of One-Dimensional Potentials of Mean Force [Article v1.0]. Living Journal of Computational Molecular Science, 2019, 1, .	2.2	8
14	A novel approach to calculate protein adsorption isotherms by molecular dynamics simulations. Journal of Chromatography A, 2020, 1620, 460940.	1.8	4
15	Interface-Mediated Mechanism of Actionâ€”The Root of the Cytoprotective Effect of Immediate-Release Omeprazole. Journal of Medicinal Chemistry, 2021, 64, 5171-5184.	2.9	3