Seonghoon Kim

List of Publications by Year
in descending order

15 papers	**1,319** citations	840119 **11** h-index	996533 **15** g-index
16 all docs	**16** docs citations	**16** times ranked	**1829** citing authors

#	Article	IF	Citations
1	Influences of *Vibrio cholerae* Lipid A Types on LPS Bilayer Properties. Journal of Physical Chemistry B, 2021, 125, 2105-2112.	1.2	10
2	CHARMM-GUI Polymer Builder for Modeling and Simulation of Synthetic Polymers. Journal of Chemical Theory and Computation, 2021, 17, 2431-2443.	2.3	58
3	Conformationally flexible core-bearing detergents with a hydrophobic or hydrophilic pendant: Effect of pendant polarity on detergent conformation and membrane protein stability. Acta Biomaterialia, 2021, 128, 393-407.	4.1	15
4	CHARMM-GUI Free Energy Calculator for Practical Ligand Binding Free Energy Simulations with AMBER. Journal of Chemical Information and Modeling, 2021, 61, 4145-4151.	2.5	24
5	CHARMM-GUI Membrane Builder for Lipid Nanoparticles with Ionizable Cationic Lipids and PEGylated Lipids. Journal of Chemical Information and Modeling, 2021, 61, 5192-5202.	2.5	25
6	CHARMM-GUI Supports Hydrogen Mass Repartitioning and Different Protonation States of Phosphates in Lipopolysaccharides. Journal of Chemical Information and Modeling, 2021, 61, 831-839.	2.5	59
7	Systematic Assessment of Accessibility to the Surface of *Staphylococcus aureus*. ACS Chemical Biology, 2021, 16, 2527-2536.	1.6	15
8	CHARMM-GUI Free Energy Calculator for Absolute and Relative Ligand Solvation and Binding Free Energy Simulations. Journal of Chemical Theory and Computation, 2020, 16, 7207-7218.	2.3	57
9	Broadening Activity of Polymyxin by Quaternary Ammonium Grafting. ACS Infectious Diseases, 2020, 6, 1427-1435.	1.8	9
10	CHARMM-GUI *Membrane Builder* for Complex Biological Membrane Simulations with Glycolipids and Lipoglycans. Journal of Chemical Theory and Computation, 2019, 15, 775-786.	2.3	388
11	Insight into Elongation Stages of Peptidoglycan Processing in Bacterial Cytoplasmic Membranes. Scientific Reports, 2018, 8, 17704.	1.6	6
12	Synthetic Immunotherapeutics against Gram-negative Pathogens. Cell Chemical Biology, 2018, 25, 1185-1194.e5.	2.5	29
13	CHARMM-GUI ligand reader and modeler for CHARMM force field generation of small molecules. Journal of Computational Chemistry, 2017, 38, 1879-1886.	1.5	311
14	CHARMM‑GUI 10 years for biomolecular modeling and simulation. Journal of Computational Chemistry, 2017, 38, 1114-1124.	1.5	224
15	Bilayer Properties of Lipid A from Various Gram-Negative Bacteria. Biophysical Journal, 2016, 111, 1750-1760.	0.2	88