Volker Knecht

List of Publications by Year
in descending order

12	107	1307594 7	1372567 10
papers	citations	h-index	g-index

12	12	12	175
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiscale Molecular Dynamics Studies Reveal Different Modes of Receptor Clustering by Gb3-Binding Lectins. Journal of Chemical Theory and Computation, 2021, 17, 2488-2501.	5.3	15
2	Binding of SV40â€™s Viral Capsid Protein VP1 to Its Glycosphingolipid Receptor GM1 Induces Negative Membrane Curvature: A Molecular Dynamics Study. Langmuir, 2019, 35, 3534-3544.	3.5	10
3	Structure Formation in Langmuir Peptide Films As Revealed from Coarse-Grained Molecular Dynamics Simulations. Langmuir, 2017, 33, 6492-6502.	3.5	5
4	Thermodynamic Origin of Multilayer Structures in Langmuir Polymer Films. Langmuir, 2017, 33, 11399-11405.	3.5	0
5	Effect of Sodium and Chloride Binding on a Lecithin Bilayer. A Molecular Dynamics Study. Membranes, 2017, 7, 5.	3.0	7
6	Mechanisms for allosteric activation of protease DegS by ligand binding and oligomerization as revealed from molecular dynamics simulations. Proteins: Structure, Function and Bioinformatics, 2016, 84, 1690-1705.	2.6	6
7	Cover Image, Volume 84, Issue 11. Proteins: Structure, Function and Bioinformatics, 2016, 84, C1.	2.6	0
8	Long-Range Conformational Response of a PDZ Domain to Ligand Binding and Release: A Molecular Dynamics Study. Journal of Chemical Theory and Computation, 2016, 12, 870-878.	5.3	23
9	Common Force Field Thermodynamics of Cholesterol. Scientific World Journal, The, 2013, 2013, 1-7.	2.1	1
10	Fusion-Relevant Changes in Lipid Shape of Hydrated Cholesterol Hemisuccinate Induced by pH and Counterion Species. Journal of Physical Chemistry B, 2010, 114, 14941-14946.	2.6	12
11	Î²-Hairpin Folding by a Model Amyloid Peptide in Solution and at an Interface. Journal of Physical Chemistry B, 2008, 112, 9476-9483.	2.6	12
12	Conformational Diversity of the Fibrillogenic Fusion Peptide B18 in Different Environments from Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2007, 111, 4161-4170.	2.6	16