

Aby A Thyparambil

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

395
citations

840776

11
h-index

996975

15
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16
all docs

16
docs citations

16
times ranked

618
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of thermal treatments on the structural change and the hemostatic property of hair extracted proteins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 190, 110951.	5.0	8
2	Site of Tagging Influences the Ochratoxin Recognition by Peptide NFO4: A Molecular Dynamics Study. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 2035-2044.	5.4	3
3	Evaluation of Ochratoxin Recognition by Peptides Using Explicit Solvent Molecular Dynamics. <i>Toxins</i> , 2017, 9, 164.	3.4	6
4	Molecular Modeling and Simulation Tools in the Development of Peptide-Based Biosensors for Mycotoxin Detection: Example of Ochratoxin. <i>Toxins</i> , 2017, 9, 395.	3.4	12
5	Cluster analysis of molecular simulation trajectories for systems where both conformation and orientation of the sampled states are important. <i>Journal of Computational Chemistry</i> , 2016, 37, 1973-1982.	3.3	31
6	Experimental characterization of adsorbed protein orientation, conformation, and bioactivity. <i>Biointerphases</i> , 2015, 10, 019002.	1.6	67
7	Parameterization of an interfacial force field for accurate representation of peptide adsorption free energy on high-density polyethylene. <i>Biointerphases</i> , 2015, 10, 021002.	1.6	11
8	Evaluation of the Effectiveness of Surfactants and Denaturants to Elute and Denature Adsorbed Protein on Different Surface Chemistries. <i>Langmuir</i> , 2015, 31, 11814-11824.	3.5	15
9	Adsorption-Induced Changes in Ribonuclease A Structure and Enzymatic Activity on Solid Surfaces. <i>Langmuir</i> , 2014, 30, 14849-14858.	3.5	21
10	Protein helical structure determination using CD spectroscopy for solutions with strong background absorbance from 190 to 230nm. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 2331-2337.	2.3	94
11	Determination of orientation and adsorption-induced changes in the tertiary structure of proteins on material surfaces by chemical modification and peptide mapping. <i>Acta Biomaterialia</i> , 2014, 10, 2404-2414.	8.3	22
12	Quantification of the influence of protein-protein interactions on adsorbed protein structure and bioactivity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 363-371.	5.0	33
13	Peptideâ€™Surface Adsorption Free Energy Comparing Solution Conditions Ranging from Low to Medium Salt Concentrations. <i>ChemPhysChem</i> , 2012, 13, 3782-3785.	2.1	5
14	Development of a Tuned Interfacial Force Field Parameter Set for the Simulation of Protein Adsorption to Silica Glass. <i>Biointerphases</i> , 2012, 7, 56.	1.6	17
15	Determination of Peptideâ€™Surface Adsorption Free Energy for Material Surfaces Not Conducive to SPR or QCM using AFM. <i>Langmuir</i> , 2012, 28, 5687-5694.	3.5	50
16	Protein Gels from Cobwebs of Spiders for Biomedical Application. , 2008, , .		0