J J LÃ³pez-Cascales

List of Publications by Year
in descending order

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33	838	430754	477173
papers	citations	18 h-index	29 g-index

33	33	33	1059
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of the gas diffusion layer on the performance of an open cathode polymer electrolyte membrane fuel cell. International Journal of Hydrogen Energy, 2022, 47, 7990-7999.	3.8	13
2	Production of gas diffusion layers with cotton fibers for their use in fuel cells. Scientific Reports, 2022, 12, 4219.	1.6	8
3	Electrodes based on nafion and epoxy-graphene composites for improving the performance and durability of open cathode fuel cells, prepared by electrospray deposition. International Journal of Hydrogen Energy, 2022, 47, 13980-13989.	3.8	2
4	Influence of Lipid Composition on the Insertion Process of Glyphosate into Membranes: A Thermodynamic Study. Journal of Physical Chemistry B, 2021, 125, 184-192.	1.2	2
5	Study of the insertion of a small symmetric star polymer into different phospholipid bilayers. Journal of Molecular Structure, 2020, 1222, 128888.	1.8	0
6	Antibacterial Effect of Chitosanâ€“Gold Nanoparticles and Computational Modeling of the Interaction between Chitosan and a Lipid Bilayer Model. Nanomaterials, 2020, 10, 2340.	1.9	29
7	Mechanical properties of bilayers containing sperm sphingomyelins and ceramides with very long-chain polyunsaturated fatty acids. Chemistry and Physics of Lipids, 2019, 218, 178-186.	1.5	9
8	Molecular dynamics simulations of glyphosate in a DPPC lipid bilayer. Chemistry and Physics of Lipids, 2018, 213, 111-117.	1.5	11
9	Small Cationic Peptides: Influence of Charge on Their Antimicrobial Activity. ACS Omega, 2018, 3, 5390-5398.	1.6	51
10	Thermodynamics and ²Hâ€‰NMR Study on the Insertion of Small Quinones into a Discotic Nematic Lyotropic Liquid Crystal. ChemPhysChem, 2014, 15, 1422-1431.	1.0	11
11	The dynamic action mechanism of small cationic antimicrobial peptides. Physical Chemistry Chemical Physics, 2014, 16, 21694-21705.	1.3	32
12	Effect of lithium on the properties of a liquid crystal formed by sodium dodecylsulphate and decanol in aqueous solution. Journal of Chemical Physics, 2013, 139, 014703.	1.2	10
13	Effect of the interfacial tension and ionic strength on the thermodynamic barrier associated to the benzocaine insertion into a cell membrane. Biophysical Chemistry, 2013, 172, 1-7.	1.5	7
14	Mechanical properties of binary DPPC/DPPS bilayers. RSC Advances, 2012, 2, 11743.	1.7	20
15	Thermodynamic study of benzocaine insertion into different lipid bilayers. Journal of Chemical Physics, 2011, 135, 135103.	1.2	23
16	Binding of glutamate to the umami receptor. Biophysical Chemistry, 2010, 152, 139-144.	1.5	55
17	Methylene Blue Adsorption on a DMPA Lipid Langmuir Monolayer. ChemPhysChem, 2010, 11, 2241-2247.	1.0	10
18	Molecular dynamics simulation of polypyrrole film in an acetonitrile solution. Journal of Electroanalytical Chemistry, 2010, 644, 13-19.	1.9	7

#	Article	IF	Citations
19	Physicochemical study of the acetonitrile insertion into polypyrrole films. Journal of Chemical Physics, 2010, 132, 144702.	1.2	0
20	Study of the effect of Na+ and Ca2+ ion concentration on the structure of an asymmetric DPPC/DPPC+DPPS lipid bilayer by molecular dynamics simulation. Colloids and Surfaces B: Biointerfaces, 2009, 73, 42-50.	2.5	42
21	Study of the Benzocaine Transfer from Aqueous Solution to the Interior of a Biological Membrane. Journal of Physical Chemistry B, 2009, 113, 9988-9994.	1.2	51
22	Effect of Na⁺ and Ca²⁺ Ions on a Lipid Langmuir Monolayer: An Atomistic Description by Molecular Dynamics Simulations. ChemPhysChem, 2008, 9, 2538-2543.	1.0	29
23	A DMPA Langmuir Monolayer Study:â€‰ From Gas to Solid Phase. An Atomistic Description by Molecular Dynamics Simulation. Langmuir, 2008, 24, 1823-1828.	1.6	20
24	Model of an Asymmetric DPPC/DPPS Membrane:Â Effect of Asymmetry on the Lipid Properties. A Molecular Dynamics Simulation Study. Journal of Physical Chemistry B, 2006, 110, 2358-2363.	1.2	51
25	Phase Transition of a DPPC Bilayer Induced by an External Surface Pressure:Â From Bilayer to Monolayer Behavior. A Molecular Dynamics Simulation Study. Langmuir, 2006, 22, 5818-5824.	1.6	21
26	Molecular Dynamics Simulations of the Orientation and Reorientational Dynamics of Water and Polypyrrole Rings as a Function of the Oxidation State of the Polymer. Macromolecular Theory and Simulations, 2005, 14, 40-48.	0.6	13
27	Molecular dynamic simulation of the hydration and diffusion of chloride ions from bulk water to polypyrrole matrix. Journal of Chemical Physics, 2004, 120, 1951-1957.	1.2	53
28	Anaesthetic Mechanism on a Model Biological Membrane:â€‰ A Molecular Dynamics Simulation Study. Journal of Physical Chemistry B, 1998, 102, 625-631.	1.2	30
29	Effect of lithium and sodium ions on a charged membrane of dipalmitoylphosphatidylserine: A study by molecular dynamics simulation. Biochimica Et Biophysica Acta - Biomembranes, 1997, 1330, 145-156.	1.4	28
30	Molecular dynamics simulation of a dye molecule in the interior of a bilayer: 1,6-diphenyl-1,3,5-hexatriene in dipalmitoylphosphatidylcholine. Biophysical Chemistry, 1997, 69, 1-8.	1.5	26
31	Molecular dynamics simulation of a charged biological membrane. Journal of Chemical Physics, 1996, 104, 2713-2720.	1.2	118
32	Molecular Dynamics Simulation of Water between Two Charged Layers of Dipalmitoylphosphatidylserine. The Journal of Physical Chemistry, 1996, 100, 8621-8627.	2.9	46
33	Bead-model calculation of scattering diagrams: Brownian dynamics study of flexibility in immunoglobulin IgG1. Journal of Proteomics, 1993, 26, 261-271.	2.4	10