Martina Pannuzzo

List of Publications by Year
in descending order

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35 papers	798 citations	623574 14 h-index	526166 27 g-index
37 all docs	37 docs citations	37 times ranked	1058 citing authors

#	Article	IF	Citations
1	Cytosolic delivery of nucleic acids: The case of ionizable lipid nanoparticles. Bioengineering and Translational Medicine, 2021, 6, e10213.	3.9	142
2	Î±-Helical Structures Drive Early Stages of Self-Assembly of Amyloidogenic Amyloid Polypeptide Aggregate Formation in Membranes. Scientific Reports, 2013, 3, 2781.	1.6	91
3	Overcoming Nanoparticle-Mediated Complement Activation by Surface PEG Pairing. Nano Letters, 2020, 20, 4312-4321.	4.5	70
4	Analytical model and multiscale simulations of AÎ² peptide aggregation in lipid membranes: towards a unifying description of conformational transitions, oligomerization and membrane damage. Physical Chemistry Chemical Physics, 2013, 15, 8940.	1.3	45
5	Lipid-assisted protein transport: A diffusion-reaction model supported by kinetic experiments and molecular dynamics simulations. Journal of Chemical Physics, 2016, 144, 184901.	1.2	45
6	Simulation of polyethylene glycol and calcium-mediated membrane fusion. Journal of Chemical Physics, 2014, 140, 124905.	1.2	44
7	The role of scaffold reshaping and disassembly in dynamin driven membrane fission. ELife, 2018, 7, .	2.8	42
8	Symmetry-breaking transitions in the early steps of protein self-assembly. European Biophysics Journal, 2020, 49, 175-191.	1.2	28
9	Engineering shape-defined PLGA microPlates for the sustained release of anti-inflammatory molecules. Journal of Controlled Release, 2020, 319, 201-212.	4.8	27
10	The role of the Cys2-Cys7 disulfide bridge in the early steps of Islet amyloid polypeptide aggregation: A molecular dynamics study. Chemical Physics Letters, 2008, 463, 396-399.	1.2	21
11	Predicting the Miscibility and Rigidity of Poly(lactic-co-glycolic acid)/Polyethylene Glycol Blends via Molecular Dynamics Simulations. Macromolecules, 2020, 53, 3643-3654.	2.2	21
12	Management of osteoarthritis: From drug molecules to nano/<scp>micromedicines</scp>. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1780.	3.3	18
13	Energetic View on Membrane Pore Formation. Biophysical Journal, 2014, 106, 1-2.	0.2	16
14	Trapping of Sodium Dodecyl Sulfate at the Airâ€“Water Interface of Oscillating Bubbles. Langmuir, 2015, 31, 6277-6281.	1.6	16
15	Peptide-induced membrane curvature in edge-stabilized open bilayers: A theoretical and molecular dynamics study. Journal of Chemical Physics, 2014, 141, 024901.	1.2	15
16	Phase Transition of Glycolipid Membranes Studied by Coarse-Grained Simulations. Langmuir, 2015, 31, 9379-9387.	1.6	15
17	Betaâ€amyloid pore linked to controlled calcium influx into the cell: A new paradigm for Alzheimer's Disease. Alzheimer's and Dementia, 2022, 18, 191-196.	0.4	15
18	A unifying framework for amyloid-mediated membrane damage: The lipid-chaperone hypothesis. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2022, 1870, 140767.	1.1	15

#	Article	IF	Citations
19	Out of Equilibrium Divergence of Dissipation in an Oscillating Bubble Coated by Surfactants. Langmuir, 2014, 30, 477-487.	1.6	14
20	On the physiological/pathological link between AÎ² peptide, cholesterol, calcium ions and membrane deformation: A molecular dynamics study. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1380-1389.	1.4	14
21	The thermodynamics of simple biomembrane mimetic systems. Journal of Pharmacy and Bioallied Sciences, 2011, 3, 15.	0.2	13
22	Hydrodynamic-induced enantiomeric enrichment of self-assemblies: Role of the solid-liquid interface in chiral nucleation and seeding. Journal of Chemical Physics, 2012, 137, 134902.	1.2	10
23	Nucleation theory with delayed interactions: An application to the early stages of the receptor-mediated adhesion/fusion kinetics of lipid vesicles. Journal of Chemical Physics, 2010, 132, 045103.	1.2	8
24	Combined depletion and electrostatic forces in polymer-induced membrane adhesion: A theoretical model. Journal of Chemical Physics, 2012, 136, 055101.	1.2	8
25	Zoledronate derivatives as potential inhibitors of uridine diphosphateâ€galactose ceramide galactosyltransferase 8: A combined molecular docking and dynamic study. Journal of Neuroscience Research, 2016, 94, 1318-1326.	1.3	6
26	Responsive behavior of a branched-chain polymer network: a molecular dynamics study. Soft Matter, 2018, 14, 6485-6495.	1.2	6
27	Protein Adsorption at the Airâ€“Water Interface by a Charge Sensing Interferometric Technique. Langmuir, 2019, 35, 16087-16100.	1.6	6
28	Transient Step-Like Kinetics of Enzyme Reaction on Fragmented-Condensed Substrates. Journal of Physical Chemistry B, 2012, 116, 9570-9579.	1.2	5
29	Hydrodynamic Enhancement of the Diffusion Rate in the Region between Two Fluctuating Membranes in Close Opposition: A Theoretical and Computational Study. Journal of Physical Chemistry B, 2014, 118, 8662-8672.	1.2	5
30	Adhesion Kinetics between a Membrane and a Flat Substrate. An Ideal Upper Bound to the Spreading Rate of an Adhesive Patch. Journal of Physical Chemistry B, 2010, 114, 15495-15505.	1.2	4
31	Anomalous viscosity effect in the early stages of the ion-assisted adhesion/fusion event between lipid bilayers: A theoretical and computational study. Journal of Chemical Physics, 2013, 138, 234901.	1.2	3
32	Differential scanning calorimetry (DSC): theoretical fundamentals. , 2013, , 127-168.		3
33	Oscillations of Bubble Shape Cause Anomalous Surfactant Diffusion: Experiments, Theory, and Simulations. Langmuir, 2016, 32, 8574-8582.	1.6	3
34	Capture rate and efficiency of an oscillating non-ideal trap interacting with a sea of random diffusing particles. A non-equilibrium Fokkerâ€“Planck picture. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 241-245.	0.9	2
35	Helical Inclusions in Phospholipid Membranes: Lipid Adaptation and Chiral Order. Journal of Physical Chemistry Letters, 2019, 10, 5629-5633.	2.1	2