Guillaume Lamour

List of Publications by Year
in descending order

24 papers	1,061 citations	567281 15 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	2059 citing authors

#	Article	IF	Citations
1	Contact Angle Measurements Using a Simplified Experimental Setup. Journal of Chemical Education, 2010, 87, 1403-1407.	2.3	202
2	Promiscuity as a functional trait: intrinsically disordered regions as central players of interactomes. Biochemical Journal, 2013, 454, 361-369.	3.7	156
3	Changes in Structural-Mechanical Properties and Degradability of Collagen during Aging-associated Modifications. Journal of Biological Chemistry, 2015, 290, 23291-23306.	3.4	81
4	Effects of Cysteine Proteases on the Structural and Mechanical Properties of Collagen Fibers. Journal of Biological Chemistry, 2013, 288, 5940-5950.	3.4	80
5	Easyworm: an open-source software tool to determine the mechanical properties of worm-like chains. Source Code for Biology and Medicine, 2014, 9, 16.	1.7	73
6	The Prion Protein Ligand, Stress-Inducible Phosphoprotein 1, Regulates Amyloid-Î² Oligomer Toxicity. Journal of Neuroscience, 2013, 33, 16552-16564.	3.6	70
7	High Intrinsic Mechanical Flexibility of Mouse Prion Nanofibrils Revealed by Measurements of Axial and Radial Youngâ€™s Moduli. ACS Nano, 2014, 8, 3851-3861.	14.6	51
8	Self-assembly of aramid amphiphiles into ultra-stable nanoribbons and aligned nanoribbon threads. Nature Nanotechnology, 2021, 16, 447-454.	31.5	49
9	Mechanically Tightening a Protein Slipknot into a Trefoil Knot. Journal of the American Chemical Society, 2014, 136, 11946-11955.	13.7	48
10	Neuronal adhesion and differentiation driven by nanoscale surface free-energy gradients. Biomaterials, 2010, 31, 3762-3771.	11.4	42
11	Mapping the Broad Structural and Mechanical Properties of Amyloid Fibrils. Biophysical Journal, 2017, 112, 584-594.	0.5	40
12	The Molecular Mechanism Underlying Mechanical Anisotropy of the Protein GB1. Biophysical Journal, 2012, 103, 2361-2368.	0.5	32
13	Influence of surface energy distribution on neuritogenesis. Colloids and Surfaces B: Biointerfaces, 2009, 72, 208-218.	5.0	27
14	A Rational Structured Epitope Defines a Distinct Subclass of Toxic Amyloid-beta Oligomers. ACS Chemical Neuroscience, 2018, 9, 1591-1606.	3.5	21
15	Chemical, physical and morphological properties of bacterial biofilms affect survival of encased Campylobacter jejuni F38011 under aerobic stress. International Journal of Food Microbiology, 2016, 238, 172-182.	4.7	17
16	Construction and Characterization of Kilobasepair Densely Labeled Peptide-DNA. Biomacromolecules, 2014, 15, 4065-4072.	5.4	16
17	Morphological Transitions of a Photoswitchable Aramid Amphiphile Nanostructure. Nano Letters, 2021, 21, 2912-2918.	9.1	13
18	Mechanical Anisotropy in GNNQQNY Amyloid Crystals. Journal of Physical Chemistry Letters, 2018, 9, 4901-4909.	4.6	7

#	Article	IF	Citations
19	Inverse Correlation between Amyloid Stiffness and Size. Journal of the American Chemical Society, 2019, 141, 58-61.	13.7	7
20	Mapping and Modeling the Nanomechanics of Bare and Protein-Coated Lipid Nanotubes. Physical Review X, 2020, 10, .	8.9	7
21	Interplay between longâ€•and shortâ€range interactions drives neuritogenesis on stiff surfaces. Journal of Biomedical Materials Research - Part A, 2011, 99A, 598-606.	4.0	6
22	Domain-selective thermal decomposition within supramolecular nanoribbons. Nature Communications, 2021, 12, 7340.	12.8	6
23	Long-Time Scale Fluctuations of Human Prion Protein Determined by Restrained MD Simulations. Biochemistry, 2011, 50, 10192-10194.	2.5	5
24	Substrateâ€induced PC12 Cell Differentiation Without Filopodial, Lamellipodial Activity or NGF Stimulationa. Macromolecular Bioscience, 2015, 15, 364-371.	4.1	5