

# Manuela Pastoriza-Gallego

## List of Publications by Year in descending order

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22  
papers

1,697  
citations

471509

17  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

987  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanopore-Based Protein Identification. <i>Journal of the American Chemical Society</i> , 2022, 144, 2716-2725.	13.7	64
2	Polypeptide analysis for nanopore-based protein identification. <i>Nano Research</i> , 2022, 15, 9831-9842.	10.4	5
3	Pore-forming toxins as tools for polymer analytics: From sizing to sequencing. <i>Methods in Enzymology</i> , 2021, 649, 587-634.	1.0	7
4	Aerolysin, a Powerful Protein Sensor for Fundamental Studies and Development of Upcoming Applications. <i>ACS Sensors</i> , 2019, 4, 530-548.	7.8	47
5	Identification of single amino acid differences in uniformly charged homopolymeric peptides with aerolysin nanopore. <i>Nature Communications</i> , 2018, 9, 966.	12.8	204
6	Dynamics of a polyelectrolyte through aerolysin channel as a function of applied voltage and concentration. <i>European Physical Journal E</i> , 2018, 41, 58.	1.6	1
7	Probing driving forces in aerolysin and $\beta$ -hemolysin biological nanopores: electrophoresis versus electroosmosis. <i>Nanoscale</i> , 2016, 8, 18352-18359.	5.6	78
8	Temperature Effect on Ionic Current and ssDNA Transport through Nanopores. <i>Biophysical Journal</i> , 2015, 109, 1600-1607.	0.5	45
9	Evidence of Unfolded Protein Translocation through a Protein Nanopore. <i>ACS Nano</i> , 2014, 8, 11350-11360.	14.6	74
10	Kinetics of Enzymatic Degradation of High Molecular Weight Polysaccharides through a Nanopore: Experiments and Data-Modeling. <i>Analytical Chemistry</i> , 2013, 85, 8488-8492.	6.5	67
11	Wild Type, Mutant Protein Unfolding and Phase Transition Detected by Single-Nanopore Recording. <i>ACS Chemical Biology</i> , 2012, 7, 652-658.	3.4	119
12	Thermal Unfolding of Proteins Probed at the Single Molecule Level Using Nanopores. <i>Analytical Chemistry</i> , 2012, 84, 4071-4076.	6.5	127
13	Mapping the Conformational Stability of Maltose Binding Protein at the Residue Scale Using Nuclear Magnetic Resonance Hydrogen Exchange Experiments. <i>Biochemistry</i> , 2012, 51, 8919-8930.	2.5	5
14	Sensing Proteins through Nanopores: Fundamental to Applications. <i>ACS Chemical Biology</i> , 2012, 7, 1935-1949.	3.4	164
15	Protein Transport through a Narrow Solid-State Nanopore at High Voltage: Experiments and Theory. <i>ACS Nano</i> , 2012, 6, 6236-6243.	14.6	126
16	Single Molecule Detection of Glycosaminoglycan Hyaluronic Acid Oligosaccharides and Depolymerization Enzyme Activity Using a Protein Nanopore. <i>ACS Nano</i> , 2012, 6, 9672-9678.	14.6	74
17	DNA Unzipping and Protein Unfolding Using Nanopores. <i>Methods in Molecular Biology</i> , 2012, 870, 55-75.	0.9	4
18	Dynamics of Completely Unfolded and Native Proteins through Solid-State Nanopores as a Function of Electric Driving Force. <i>ACS Nano</i> , 2011, 5, 3628-3638.	14.6	175

#	ARTICLE	IF	CITATIONS
19	Dynamics of Unfolded Protein Transport through an Aerolysin Pore. Journal of the American Chemical Society, 2011, 133, 2923-2931.	13.7	204
20	Polyelectrolyte and unfolded protein pore entrance depends on the pore geometry. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1377-1386.	2.6	27
21	Polyelectrolyte Entry and Transport through an Asymmetric $\hat{\pm}$ -Hemolysin Channel. Journal of Physical Chemistry B, 2008, 112, 14687-14691.	2.6	36
22	Urea denaturation of $\hat{\pm}$ -hemolysin pore inserted in planar lipid bilayer detected by single nanopore recording: Loss of structural asymmetry. FEBS Letters, 2007, 581, 3371-3376.	2.8	44