Abdelghani Oukhaled

List of Publications by Year
in descending order

24 papers	1,583 citations	567281 15 h-index	713466 21 g-index
24 all docs	24 docs citations	24 times ranked	1067 citing authors

#	Article	IF	Citations
1	Nanopore-Based Protein Identification. Journal of the American Chemical Society, 2022, 144, 2716-2725.	13.7	64
2	On possible trypsinâ€induced biases in peptides analysis with aerolysin nanopore. Proteomics, 2022, 22, e2100056.	2.2	4
3	Polypeptide analysis for nanopore-based protein identification. Nano Research, 2022, 15, 9831-9842.	10.4	5
4	Pore-forming toxins as tools for polymer analytics: From sizing to sequencing. Methods in Enzymology, 2021, 649, 587-634.	1.0	7
5	Electrical recognition of the twenty proteinogenic amino acids using an aerolysin nanopore. Nature Biotechnology, 2020, 38, 176-181.	17.5	308
6	Interaction of Cucurbituril Molecular Containers with the Aerolysin Nanopore for Molecular Recognition. Biophysical Journal, 2020, 118, 473a-474a.	0.5	0
7	Protein Fingerprinting using the Aerolysin Nanopore. Biophysical Journal, 2020, 118, 475a.	0.5	3
8	Mass-Independent, High-Fidelity Single-Molecule Differentiation using the Aerolysin Protein Pore. Biophysical Journal, 2020, 118, 474a-475a.	0.5	1
9	Identification of single amino acid differences in uniformly charged homopolymeric peptides with aerolysin nanopore. Nature Communications, 2018, 9, 966.	12.8	204
10	High Temperature Extends the Range of Size Discrimination of Nonionic Polymers by a Biological Nanopore. Scientific Reports, 2016, 6, 38675.	3.3	23
11	Probing driving forces in aerolysin and Î±-hemolysin biological nanopores: electrophoresis versus electroosmosis. Nanoscale, 2016, 8, 18352-18359.	5.6	78
12	Electrophoresis and Electroosmosis in Aerolysin and Hemolysin Nanopores. Biophysical Journal, 2016, 110, 76a-77a.	0.5	0
13	Aerolysin Block by Single Polyethylenegycol Oligomers: Mass Sensitivity and Voltage Dependence. Biophysical Journal, 2015, 108, 81a.	0.5	0
14	Dynamics and Energy Contributions for Transport of Pertactin through an Aerolysin Nanopore. Biophysical Journal, 2015, 108, 481a.	0.5	1
15	High-Resolution Size-Discrimination of Single Nonionic Synthetic Polymers with a Highly Charged Biological Nanopore. ACS Nano, 2015, 9, 6443-6449.	14.6	106
16	Dynamics and Energy Contributions for Transport of Unfolded Pertactin through a Protein Nanopore. ACS Nano, 2015, 9, 9050-9061.	14.6	52
17	Electroosmosis through Î±-Hemolysin That Depends on Alkali Cation Type. Journal of Physical Chemistry Letters, 2014, 5, 4362-4367.	4.6	42
18	Focus on Protein Unfolding Through Nanopores. BioNanoScience, 2014, 4, 111-118.	3.5	23

#	Article	IF	Citations
19	Exploration of Neutral Versus Polyelectrolyte Behavior of Poly(ethylene glycol)s in Alkali Ion Solutions using Single-Nanopore Recording. Journal of Physical Chemistry Letters, 2013, 4, 2202-2208.	4.6	49
20	Wild Type, Mutant Protein Unfolding and Phase Transition Detected by Single-Nanopore Recording. ACS Chemical Biology, 2012, 7, 652-658.	3.4	119
21	Sensing Proteins through Nanopores: Fundamental to Applications. ACS Chemical Biology, 2012, 7, 1935-1949.	3.4	164
22	Protein Transport through a Narrow Solid-State Nanopore at High Voltage: Experiments and Theory. ACS Nano, 2012, 6, 6236-6243.	14.6	126
23	Dynamics of Completely Unfolded and Native Proteins through Solid-State Nanopores as a Function of Electric Driving Force. ACS Nano, 2011, 5, 3628-3638.	14.6	175
24	Discrimination of neutral oligosaccharides through a nanopore. Biochemical and Biophysical Research Communications, 2011, 412, 561-564.	2.1	29