

Xin Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Detection of Single Molecular DNA Charge Through TFT-Integrated Nanopore Biosensor. , 2022, , .		0
2	Analysis of Single BSA Protein Molecules Using MoS ₂ Nanopores [*] , 2022, , .		0
3	Characterization of ITO-SiNx Nanopores for Single-Biomolecular Sensing. , 2021, , .		2
4	Detection of Single Protein Molecules Using MoS ₂ Nanopores of Various Sizes. , 2021, , .		3
5	Monolithic Integration of Vertical Thin-Film Transistors in Nanopores for Charge Sensing of Single Biomolecules. ACS Nano, 2021, 15, 9882-9889.	14.6	13
6	Dwell time characterization of DNA translocation through ITO-SiNx nanopores. , 2021, , .		0
7	Experimental study of protein translocation through MoS ₂ nanopores. Applied Physics Letters, 2019, 115, .	3.3	18
8	Pressure Modulation of Ion Conductance and Selectivity in Nano-channels with Weakly Overlapping Electrical Double Layers. , 2018, , .		0
9	Effect of Intrachannel Ion Transport on Transient Characteristics of Nanochannels. Journal of Physical Chemistry C, 2018, 122, 19180-19188.	3.1	2
10	Nanopores incorporating ITO electrodes for electrical gating of DNA at different folding states. , 2017, , .		4
11	Transport-Induced Inversion of Screening Ionic Charges in Nanochannels. Journal of Physical Chemistry Letters, 2016, 7, 5235-5241.	4.6	7
12	Numerical simulations of nonlinear current-voltage characteristics of nano-channels: A benchmark study. , 2016, , .		0
13	Suppression of ion conductance by electro-osmotic flow in nano-channels with weakly overlapping electrical double layers. AIP Advances, 2016, 6, 085022.	1.3	5
14	Experimental study of excessively-long translocation time of single DNA through sub-5 nanometer solid-state nanopores. IOP Conference Series: Earth and Environmental Science, 0, 632, 052072.	0.3	2
15	Numerical Study of Single Molecular Charge Sensing by FET-Integrated Nanopore Biosensor. Materials Science Forum, 0, 1058, 99-104.	0.3	0