Citation Report
List of articles citing

Identification of amino acids with sensitive nanoporous MoS2: towards machine learning-based predicti

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#	Paper	IF	Citations
36	Single-Molecule Dynamics and Discrimination between Hydrophilic and Hydrophobic Amino Acids in Peptides, through Controllable, Stepwise Translocation across Nanopores. *Polymers*, **2018**, 10,	4.5	7
35	Colloquium: Ionic phenomena in nanoscale pores through 2D materials. *Reviews of Modern Physics*, **2019**, 91,	40.5	35
34	Can One Define the Conductance of Amino Acids?. *Biomolecules*, **2019**, 9,	5.9	13
33	Insights into protein sequencing with an Hemolysin nanopore by atomistic simulations. *Scientific Reports*, **2019**, 9, 6440	4.9	28
32	Molecular Dynamics Investigation of Polylysine Peptide Translocation through MoS Nanopores. *Journal of Physical Chemistry B*, **2019**, 123, 2342-2353	3.4	11
31	FraC nanopores with adjustable diameter identify the mass of opposite-charge peptides with 44 dalton resolution. *Nature Communications*, **2019**, 10, 835	17.4	74
30	Controlled Focused Ion Beam Milling of Composite Solid State Nanopore Arrays for Molecule Sensing. *Micromachines*, **2019**, 10,	3.3	7
29	Translocation through a narrow pore under a pulling force. *Scientific Reports*, **2019**, 9, 17885	4.9	6
28	Nanoparticle-assisted polymer translocation through a nanopore. *Polymer*, **2020**, 204, 122847	3.9	2
27	N-Terminal Derivatization-Assisted Identification of Individual Amino Acids Using a Biological Nanopore Sensor. *ACS Sensors*, **2020**, 5, 1707-1716	9.2	7
26	Why is Single-Layer MoS2 a More Energy Efficient Membrane for Water Desalination?. *ACS Energy Letters*, **2020**, 5, 2217-2222	20.1	26
25	Molecular Transport across the Ionic Liquid-Aqueous Electrolyte Interface in a MoS Nanopore. *ACS Applied Materials & Interfaces*, **2020**, 12, 26624-26634	9.5	11
24	Solid-State Nanopore Platform Integrated with Machine Learning for Digital Diagnosis of Virus Infection. *Analytical Chemistry*, **2021**, 93, 215-227	7.8	18
23	Adaptive nanopores: A bioinspired label-free approach for protein sequencing and identification. *Nano Research*, **2021**, 14, 328-333	10	5
22	Velocity control of protein translocation through a nanopore by tuning the fraction of benzenoid residues. *Nanoscale*, **2021**, 13, 15352-15361	7.7	3
21	Machine learning and chemometrics for electrochemical sensors: moving forward to the future of analytical chemistry. *Analyst, The*, **2021**, 146, 6351-6364	5	3
20	Simultaneous Sensing of Force and Current Signals to Recognize Proteinogenic Amino Acids at a Single-Molecule Level. *Journal of Physical Chemistry Letters*, **2021**, 12, 793-799	6.4	3

19	A short review on Molybdenum disulfide (MoS2) applications and challenges. **2021**,		
18	A Review on MoS2 Properties, Synthesis, Sensing Applications and Challenges. *Crystals*, **2021**, 11, 355	2.3	26
17	DNA Detection with Single-Layer TiC MXene Nanopore. *ACS Nano*, **2021**, 15, 4861-4869	16.7	11
16	Dynamic and weak electric double layers in ultrathin nanopores. *Journal of Chemical Physics*, **2021**, 154, 134703	3.9	3
15	Titanium Carbide MXene for Water Desalination: A Molecular Dynamics Study. *ACS Applied Nano Materials*, **2021**, 4, 6145-6151	5.6	10
14	Machine learning for biochemical engineering: A review. *Biochemical Engineering Journal*, **2021**, 172, 108054	4.2	14
13	A Guide to Signal Processing Algorithms for Nanopore Sensors. *ACS Sensors*, **2021**, 6, 3536-3555	9.2	10
12	Micro- and Nanopore Technologies for Single-Cell Analysis. **2022**, 343-373		
11	INSTRUCTION TOOLS FOR SIGNAL PROCESSING AND MACHINE LEARNING FOR ION-CHANNEL SENSORS. *International Journal of Virtual and Personal Learning Environments*, **2022**, 12, 0-0	0.8	
10	Micro- and Nanopore Technologies for Single-Cell Analysis. **2020**, 1-31		
9	Machine Learning Assisted Simultaneous Structural Profiling of Differently Charged Proteins in a Porin A (MspA) Electroosmotic Trap.. *Journal of the American Chemical Society*, **2022**, 144, 757-768	16.4	2
8	Pushing the limits of nanopore transport performance by polymer functionalization.. *Chemical Communications*, **2022**,	5.8	5
7	Challenges in Protein Sequencing Using 2-D MoS$$_2$$ Nanopores. *Nanostructure Science and Technology*, **2022**, 343-366	0.9	
6	Extended DeepILST for Various Thermodynamic States and Applications in Coarse-Graining.. *Journal of Physical Chemistry A*, **2022**,	2.8	1
5	Tailoring Nanoporous Graphene via Machine Learning: Predicting Probabilities and Formation Times of Arbitrary Nanopore Shapes. *Journal of Chemical Physics*,	3.9	0
4	Machine Learning Prediction of the Transmission Function for Protein Sequencing with Graphene Nanoslit.		0
3	When bioprocess engineering meets machine learning: A survey from the perspective of automated bioprocess development. **2023**, 190, 108764		0
2	Machine Learning Aided Interpretable Approach for Single Nucleotide-Based DNA Sequencing using a Model Nanopore. **2022**, 13, 11818-11830		0

1 Material processing, performance and reliability of MoS2 field effect transistor (FET) technology- A critical review. **2023**, 160, 107397 0