Xiaohan Chen

List of Publications by Year
in descending order

20 papers	419 citations	687363 13 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	383 citing authors

#	Article	IF	Citations
1	Nanoparticle-assisted detection of nucleic acids in a polymeric nanopore with a large pore size. Biosensors and Bioelectronics, 2022, 196, 113697.	10.1	14
2	De novo profiling of insect-resistant proteins of rice via nanopore peptide differentiation. Biosensors and Bioelectronics, 2022, 212, 114415.	10.1	3
3	Chemistry solutions to facilitate nanopore detection and analysis. Biosensors and Bioelectronics, 2022, 213, 114448.	10.1	5
4	Analysis with biological nanopore: On-pore, off-pore strategies and application in biological fluids. Talanta, 2021, 223, 121684.	5.5	18
5	Simultaneous detection of multiple proteases using a non-array nanopore platform. Nanoscale, 2021, 13, 13658-13664.	5.6	6
6	Nanopore Stochastic Sensing Based on Non-covalent Interactions. Analytical Chemistry, 2021, 93, 10974-10981.	6.5	9
7	Single-Molecule Study on Interactions between Cyclic Nonribosomal Peptides and Protein Nanopore. ACS Applied Bio Materials, 2020, 3, 554-560.	4.6	8
8	Nanopore Detection of Metal Ions: Current Status and Future Directions. Small Methods, 2020, 4, 2000266.	8.6	48
9	Joint Entropy-Assisted Graphene Oxide-Based Multiplexing Biosensing Platform for Simultaneous Detection of Multiple Proteases. Analytical Chemistry, 2020, 92, 15042-15049.	6.5	18
10	Chemically functionalized conical PET nanopore for protein detection at the single-molecule level. Biosensors and Bioelectronics, 2020, 165, 112289.	10.1	23
11	Rapid and sensitive detection of the activity of ADAM17 using a graphene oxide-based fluorescence sensor. Analyst, The, 2019, 144, 1825-1830.	3.5	10
12	Enzymatic reaction-based nanopore detection of zinc ions. Analyst, The, 2019, 144, 7432-7436.	3.5	15
13	Salt-Mediated Nanopore Detection of ADAM-17. ACS Applied Bio Materials, 2019, 2, 504-509.	4.6	16
14	Computation-Assisted Nanopore Detection of Thorium Ions. Analytical Chemistry, 2018, 90, 5938-5944.	6.5	25
15	Label-Free Detection of DNA Mutations by Nanopore Analysis. ACS Applied Materials & Interfaces, 2018, 10, 11519-11528.	8.0	20
16	Displacement chemistry-based nanopore analysis of nucleic acids in complicated matrices. Chemical Communications, 2018, 54, 13977-13980.	4.1	27
17	Nanopore labelâ€free detection of singleâ€nucleotide deletion in BaxÎ±/BaxÎ”2. Electrophoresis, 2018, 39, 2410-2416.	2.4	9
18	Graphene oxide-based biosensing platform for rapid and sensitive detection of HIV-1 protease. Analytical and Bioanalytical Chemistry, 2018, 410, 6177-6185.	3.7	36

#	Article	IF	Citations
19	Peptide-Mediated Nanopore Detection of Uranyl Ions in Aqueous Media. ACS Sensors, 2017, 2, 703-709.	7.8	50
20	Label-Free Nanopore Single-Molecule Measurement of Trypsin Activity. ACS Sensors, 2016, 1, 607-613.	7.8	59