Bin Wang

List of Publications by Year
in descending order

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22 papers	551 citations	623734 14 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	864 citing authors

#	Article	IF	Citations
1	Label-Free Immunoassay for Multiplex Detections of Foodborne Bacteria in Chicken Carcass Rinse with Surface Plasmon Resonance Imaging. Foodborne Pathogens and Disease, 2021, 18, 202-209.	1.8	6
2	Immunoassay Biosensing of Foodborne Pathogens with Surface Plasmon Resonance Imaging: A Review. Journal of Agricultural and Food Chemistry, 2020, 68, 12927-12939.	5.2	24
3	The molecular basis of interaction domains of full-length PrP with lipid membranes. Nanoscale, 2019, 11, 12087-12091.	5.6	2
4	Single glucose molecule transport process revealed by force tracing and molecular dynamics simulations. Nanoscale Horizons, 2018, 3, 517-524.	8.0	14
5	Label-free biosensing of Salmonella enterica serovars at single-cell level. Journal of Nanobiotechnology, 2017, 15, 40.	9.1	13
6	Effect of the electrostatic surface potential on the oligomerization of full-length human recombinant prion protein at single-molecule level. Journal of Chemical Physics, 2016, 144, 114701.	3.0	6
7	Molecular rectifier composed of DNA with high rectification ratio enabled by intercalation. Nature Chemistry, 2016, 8, 484-490.	13.6	156
8	Nanoscale insights into full-length prion protein aggregation on model lipid membranes. Chemical Communications, 2016, 52, 8533-8536.	4.1	4
9	Surface conformations of an anti-ricin aptamer and its affinity for ricin determined by atomic force microscopy and surface plasmon resonance. Physical Chemistry Chemical Physics, 2015, 17, 307-314.	2.8	16
10	Molecular-level insights of early-stage prion protein aggregation on mica and gold surface determined by AFM imaging and molecular simulation. Colloids and Surfaces B: Biointerfaces, 2015, 135, 371-378.	5.0	24
11	Following the aggregation of human prion protein on Au(111) surface in real-time. Chemical Communications, 2015, 51, 2088-2090.	4.1	17
12	Determining the elastic properties of aptamer-ricin single molecule multiple pathway interactions. Applied Physics Letters, 2014, 104, 193702.	3.3	5
13	Structure determined charge transport in single DNA molecule break junctions. Chemical Science, 2014, 5, 3425-3431.	7.4	27
14	Mapping Single Molecular Binding Kinetics of Carbohydrate-Binding Module with Crystalline Cellulose by Atomic Force Microscopy Recognition Imaging. Journal of Physical Chemistry B, 2014, 118, 6714-6720.	2.6	18
15	Transition model for ricin-aptamer interactions with multiple pathways and energy barriers. Physical Review E, 2014, 89, 022720.	2.1	6
16	Measurements of single molecular affinity interactions between carbohydrate-binding modules and crystalline cellulose fibrils. Physical Chemistry Chemical Physics, 2013, 15, 6508.	2.8	34
17	Structural basis of single molecular heparinâ€“FX06 interaction revealed by SPM measurements and molecular simulations. Chemical Communications, 2012, 48, 12222.	4.1	18
18	Following aptamerâ€“ricin specific binding by single molecule recognition and force spectroscopy measurements. Chemical Communications, 2012, 48, 1644-1646.	4.1	29

#	Article	IF	Citations
19	High-Resolution Single-Molecule Recognition Imaging of the Molecular Details of Ricinâ€“Aptamer Interaction. Journal of Physical Chemistry B, 2012, 116, 5316-5322.	2.6	30
20	A high-throughput perfusion-based micro three-dimensional cell culture platform. , 2011, , .		0
21	Combined use of chiral ionic liquid and cyclodextrin for MEKC: Part I. Simultaneous enantioseparation of anionic profens. Electrophoresis, 2009, 30, 2812-2819.	2.4	64
22	Combined use of chiral ionic liquid and CD for MEKC: Part II. Determination of binding constants. Electrophoresis, 2009, 30, 2820-2828.	2.4	38