Ki-Baek Jeong

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10273448/publications.pdf

Version: 2024-02-01

14	320	933447 10	1058476 14
papers	citations	h-index	g-index

14	14	14	292
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gold Nanoparticle-Coated Starch Magnetic Beads for the Separation, Concentration, and SERS-Based Detection of E. coli O157:H7. ACS Applied Materials & Interfaces, 2020, 12, 18292-18300.	8.0	80
2	Paper-Based Radial Chromatographic Immunoassay for the Detection of Pathogenic Bacteria in Milk. ACS Applied Materials & Interfaces, 2019, 11, 46472-46478.	8.0	42
3	Surface-Engineered Starch Magnetic Microparticles for Highly Effective Separation of a Broad Range of Bacteria. ACS Sustainable Chemistry and Engineering, 2018, 6, 13524-13531.	6.7	36
4	Paper-based colorimetric detection of pathogenic bacteria in food through magnetic separation and enzyme-mediated signal amplification on paper disc. Analytica Chimica Acta, 2021, 1151, 338252.	5.4	32
5	Biosynthesis of superparamagnetic polymer microbeads via simple precipitation of enzymatically synthesized short-chain amylose. Carbohydrate Polymers, 2018, 181, 818-824.	10.2	28
6	Molecular Rearrangement of Glucans from Natural Starch To Form Size-Controlled Functional Magnetic Polymer Beads. Journal of Agricultural and Food Chemistry, 2018, 66, 6806-6813.	5.2	23
7	Effect of Lecithin on the Spontaneous Crystallization of Enzymatically Synthesized Short-Chain Amylose Molecules into Spherical Microparticles. Polymers, 2019, 11, 264.	4.5	15
8	Modulation of the peroxidase-like activity of iron oxide nanoparticles by surface functionalization with polysaccharides and its application for the detection of glutathione. Carbohydrate Polymers, 2021, 267, 118164.	10.2	13
9	Reduction of DNA Folding by Ionic Liquids and Its Effects on the Analysis of DNAâ€“Protein Interaction Using Solidâ€‐State Nanopore. Small, 2018, 14, e1801375.	10.0	11
10	Alpha-Hederin Nanopore for Single Nucleotide Discrimination. ACS Nano, 2019, 13, 1719-1727.	14.6	11
11	Colorimetric assay for the determination of molecular weight distribution and branching characteristics of starch hydrolysates. Carbohydrate Polymers, 2021, 251, 117046.	10.2	11
12	Single-Molecule Sensing of an Anticancer Therapeutic Proteinâ€“Protein Interaction Using the Chemically Modified OmpG Nanopore. Analytical Chemistry, 2022, 94, 7449-7454.	6.5	11
13	Investigation of membrane condensation induced by CaCO₃ nanoparticles and its effect on membrane protein function. RSC Advances, 2017, 7, 49858-49862.	3.6	4
14	Topological analysis of single-stranded DNA with an alpha-hederin nanopore. Biosensors and Bioelectronics, 2021, 171, 112711.	10.1	3