

Ki-Baek Jeong

List of Publications by Year in descending order

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14
papers

320
citations

933447

10
h-index

1058476

14
g-index

14
all docs

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docs citations

14
times ranked

292
citing authors

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