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List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

865
citations

623734

14
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

1293
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzymes on material surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 93, 8-19.	5.0	282
2	Covalent Attachment of Lactase to Low-Density Polyethylene Films. <i>Journal of Food Science</i> , 2007, 72, E036-E041.	3.1	71
3	Covalent Immobilization of Lysozyme on Ethylene Vinyl Alcohol Films for Nonmigrating Antimicrobial Packaging Applications. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 6720-6727.	5.2	71
4	A phage-based assay for the rapid, quantitative, and single CFU visualization of <i>E. coli</i> (ECOR #13) in drinking water. <i>Scientific Reports</i> , 2018, 8, 14630.	3.3	45
5	Reporter bacteriophage T7 _{NLC} utilizes a novel NanoLuc::CBM fusion for the ultrasensitive detection of <i>Escherichia coli</i> in water. <i>Analyst, The</i> , 2018, 143, 4074-4082.	3.5	44
6	Phage based electrochemical detection of <i>Escherichia coli</i> in drinking water using affinity reporter probes. <i>Analyst, The</i> , 2019, 144, 1345-1352.	3.5	43
7	Immobilization and Stabilization of Lipase (CaLB) through Hierarchical Interfacial Assembly. <i>Biomacromolecules</i> , 2014, 15, 3915-3922.	5.4	41
8	PFOA and PFOS levels in microwave paper packaging between 2005 and 2018. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2019, 12, 191-198.	2.8	31
9	Layer by Layer Assembly of a Biocatalytic Packaging Film: Lactase covalently Bound to Low-Density Polyethylene. <i>Journal of Food Science</i> , 2013, 78, E853-60.	3.1	27
10	Biocatalytic polymer nanofibers for stabilization and delivery of enzymes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 110, 16-22.	1.8	25
11	Influence of nanoparticle diameter on conjugated enzyme activity. <i>Food and Bioproducts Processing</i> , 2013, 91, 693-699.	3.6	22
12	Genetic optimization of a bacteriophage-delivered alkaline phosphatase reporter to detect <i>Escherichia coli</i> . <i>Analyst, The</i> , 2016, 141, 5543-5548.	3.5	21
13	Effect of polyethylene glycol tether size and chemistry on the attachment of lactase to polyethylene films. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1203-1210.	2.6	19
14	A Syringe-Based Biosensor to Rapidly Detect Low Levels of <i>Escherichia Coli</i> (ECOR13) in Drinking Water Using Engineered Bacteriophages. <i>Sensors</i> , 2020, 20, 1953.	3.8	16
15	Development and surface characterization of an electrowetting valve for capillary-driven microfluidics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 414, 251-258.	4.7	13
16	Modification of glucose oxidase for the development of biocatalytic solvent inks. <i>Enzyme and Microbial Technology</i> , 2014, 55, 21-25.	3.2	12
17	Colorimetric detection of <i>Escherichia coli</i> using engineered bacteriophage and an affinity reporter system. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7273-7279.	3.7	12
18	Chitosan-tethered microspheres for lactase immobilization. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 78, 78-84.	1.8	10

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19	Strep-tag II fusion technology for the modification and immobilization of lipase B from <i>Candida antarctica</i> (CALB). <i>Journal of Genetic Engineering and Biotechnology</i> , 2017, 15, 359-367.	3.3	10
20	Batch thermosonication for the reduction of plasmin activity in skim milk. <i>Journal of Food Processing and Preservation</i> , 2018, 42, e13616.	2.0	10
21	Oxygen scavenging polymer coating prepared by hydrophobic modification of glucose oxidase. <i>Journal of Coatings Technology Research</i> , 2017, 14, 489-495.	2.5	9
22	Fusion of carbohydrate binding module to mutant alkaline phosphatase for immobilization on cellulose. <i>Biocatalysis and Agricultural Biotechnology</i> , 2018, 13, 265-271.	3.1	8
23	Effect of agitation and added cholesterol esterase on bioaccessibility of phytosterols in a standardized in vitro digestion model. <i>LWT - Food Science and Technology</i> , 2021, 150, 112051.	5.2	8
24	Chemical modification of lactase for immobilization on carboxylic acid-functionalized microspheres. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 446-454.	2.0	7
25	Nonlinear Behavior of Protein and Tannin in Wine Produced by Cofermentation of an Interspecific Hybrid (<i>Vitis</i> spp.) and <i>Vinifera</i> Cultivar. <i>American Journal of Enology and Viticulture</i> , 2020, 71, 26-32.	1.7	5
26	Influence of a hydrocarbon side chain on the performance of <i>Physaria fendleri</i> -Castor oil polyurethane packaging adhesives. <i>Cleaner Engineering and Technology</i> , 2021, 4, 100216.	4.0	2
27	Engineering bacteriophage for a pragmatic low-resource setting bacterial diagnostic platform. <i>Bioengineered</i> , 2016, 7, 132-136.	3.2	1
28	Effect of cleaning and sanitization agents on the surface characteristics of new and extended-wear produce picking bins. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 1681-1687.	3.5	0