Arun Bhunia

List of Publications by Year
in descending order

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231	9,848	31902	51492
papers	citations	53 h-index	86 g-index

241	241	241	8628
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Purification, characterization and antimicrobial spectrum of a bacteriocin produced by Pediococcus acidilactici. Journal of Applied Bacteriology, 1988, 65, 261-268.	1.1	378
2	Bacteria-mediated delivery of nanoparticles and cargo into cells. Nature Nanotechnology, 2007, 2, 441-449.	15.6	305
3	Efficacy of Chlorine Dioxide, Ozone, and Thyme Essential Oil or a Sequential Washing in Killing Escherichia coli O157:H7 on Lettuce and Baby Carrots. LWT - Food Science and Technology, 2002, 35, 720-729.	2.5	299
4	Mode of action of pediocin AcH from Pediococcus acidilactici H on sensitive bacterial strains. Journal of Applied Bacteriology, 1991, 70, 25-33.	1.1	253
5	Direct detection of an antimicrobial peptide ofPediococcus acidilactici in sodium dodecyl sulfate-polyacrylamide gel electrophoresis. Journal of Industrial Microbiology, 1987, 2, 319-322.	0.9	220
6	WST-1-based cell cytotoxicity assay as a substitute for MTT-based assay for rapid detection of toxigenic Bacillus species using CHO cell line. Journal of Microbiological Methods, 2008, 73, 211-215.	0.7	207
7	Listeria Adhesion Protein Induces Intestinal Epithelial Barrier Dysfunction for Bacterial Translocation. Cell Host and Microbe, 2018, 23, 470-484.e7.	5.1	156
8	Mammalian cell-based biosensors for pathogens and toxins. Trends in Biotechnology, 2009, 27, 179-188.	4.9	155
9	Microfluidic Biochip for Impedance Spectroscopy of Biological Species. Biomedical Microdevices, 2001, 3, 201-209.	1.4	146
10	Effect of inoculation and washing methods on the efficacy of different sanitizers against Escherichia coli O157:H7 on lettuce. Food Microbiology, 2002, 19, 183-193.	2.1	146
11	Antibody-aptamer functionalized fibre-optic biosensor for specific detection of Listeria monocytogenes from food. Journal of Applied Microbiology, 2010, 109, 808-817.	1.4	142
12	A microfluidic flow-through device for high throughput electrical lysis of bacterial cells based on continuous dc voltage. Biosensors and Bioelectronics, 2006, 22, 582-588.	5.3	135
13	Label-free detection of multiple bacterial pathogens using light-scattering sensor. Biosensors and Bioelectronics, 2009, 24, 1685-1692.	5.3	134
14	SPR biosensor for the detection of L. monocytogenes using phage-displayed antibody. Biosensors and Bioelectronics, 2007, 23, 248-252.	5.3	129
15	Microscale electronic detection of bacterial metabolism. Sensors and Actuators B: Chemical, 2002, 86, 198-208.	4.0	127
16	Designing carbohydrate nanoparticles for prolonged efficacy of antimicrobial peptide. Journal of Controlled Release, 2011, 150, 150-156.	4.8	126
17	Nucleotide and amino acid sequence of pap-gene (pediocin AcH production) in Pediococcus acidilactici H. Letters in Applied Microbiology, 1992, 15, 45-48.	1.0	125
18	Optical forward-scattering for detection of Listeria monocytogenes and other Listeria species. Biosensors and Bioelectronics, 2007, 22, 1664-1671.	5.3	125

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19	A multifunctional micro-fluidic system for dielectrophoretic concentration coupled with immuno-capture of low numbers of Listeria monocytogenes. Lab on A Chip, 2006, 6, 896.	3.1	119
20	Multiplex fiber optic biosensor for detection of Listeria monocytogenes, Escherichia coli O157:H7 and Salmonella enterica from ready-to-eat meat samples. Food Microbiology, 2013, 33, 166-171.	2.1	114
21	Detection of Low Levels of Listeria monocytogenes Cells by Using a Fiber-Optic Immunosensor. Applied and Environmental Microbiology, 2004, 70, 6138-6146.	1.4	111
22	Biosensors and Bioâ€Based Methods for the Separation and Detection of Foodborne Pathogens. Advances in Food and Nutrition Research, 2008, 54, 1-44.	1.5	107
23	LAP, an alcohol acetaldehyde dehydrogenase enzyme in Listeria, promotes bacterial adhesion to enterocyte-like Caco-2 cells only in pathogenic species. Microbiology (United Kingdom), 2010, 156, 2782-2795.	0.7	100
24	Crossing the Intestinal Barrier via Listeria Adhesion Protein and Internalin A. Trends in Microbiology, 2019, 27, 408-425.	3.5	100
25	A novel and simple cell-based detection system with a collagen-encapsulated B-lymphocyte cell line as a biosensor for rapid detection of pathogens and toxins. Laboratory Investigation, 2008, 88, 196-206.	1.7	99
26	Heat Shock Protein 60 Acts as a Receptor for the Listeria Adhesion Protein in Caco-2 Cells. Infection and Immunity, 2004, 72, 931-936.	1.0	98
27	SEL, a Selective Enrichment Broth for Simultaneous Growth of Salmonella enterica , Escherichia coli O157:H7, and Listeria monocytogenes. Applied and Environmental Microbiology, 2008, 74, 4853-4866.	1.4	97
28	Efficacy of plant essential oils as antimicrobial agents against Listeria monocytogenes in hotdogs. LWT - Food Science and Technology, 2003, 36, 787-794.	2.5	95
29	Listeria monocytogenes Uses Listeria Adhesion Protein (LAP) To Promote Bacterial Transepithelial Translocation and Induces Expression of LAP Receptor Hsp60. Infection and Immunity, 2010, 78, 5062-5073.	1.0	95
30	Rapid pathogen detection by lateral-flow immunochromatographic assay with gold nanoparticle-assisted enzyme signal amplification. International Journal of Food Microbiology, 2015, 206, 60-66.	2.1	95
31	One day to one hour: how quickly can foodborne pathogens be detected?. Future Microbiology, 2014, 9, 935-946.	1.0	94
32	Genetic homogeneity among Listeria monocytogenes strains from infected patients and meat products from two geographic locations determined by phenotyping, ribotyping and PCR analysis of virulence genes. International Journal of Food Microbiology, 2002, 76, 1-10.	2.1	86
33	Expression of LAP, a SecA2-dependent secretory protein, is induced under anaerobic environment. Microbes and Infection, 2009, 11, 859-867.	1.0	86
34	Cell-based biosensor for rapid screening of pathogens and toxins. Biosensors and Bioelectronics, 2010, 26, 99-106.	5.3	86
35	Lactobacillus delbrueckii ssp. bulgaricus B-30892 can inhibit cytotoxic effects and adhesion of pathogenic Clostridium difficile to Caco-2 cells. Gut Pathogens, 2009, 1, 8.	1.6	82
36	Recombinant Probiotic Expressing Listeria Adhesion Protein Attenuates Listeria monocytogenes Virulence In Vitro. PLoS ONE, 2012, 7, e29277.	1.1	82

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37	Composite surface for blocking bacterial adsorption on protein biochips. Biotechnology and Bioengineering, 2003, 81, 618-624.	1.7	81
38	Adhesion, Invasion, and Translocation Characteristics of Listeria monocytogenes Serotypes in Caco-2 Cell and Mouse Models. Applied and Environmental Microbiology, 2003, 69, 3640-3645.	1.4	73
39	Complete Inhibition of Low Levels of Listeria monocytogenes on Refrigerated Chicken Meat with Pediocin AcH Bound to Heat-Killed Pediococcus acidilactici Cells. Journal of Food Protection, 1996, 59, 1187-1192.	0.8	71
40	Effect of sublethal heat stress on Salmonella Typhimurium virulence. Journal of Applied Microbiology, 2011, 110, 813-822.	1.4	71
41	Delivery systems of antimicrobial compounds to food. Trends in Food Science and Technology, 2016, 57, 165-177.	7.8	71
42	Effect of environmental stresses on antibody-based detection of Escherichia coli O157:H7, Salmonella enterica serotype Enteritidis and Listeria monocytogenes. Journal of Applied Microbiology, 2006, 100, 1017-1027.	1.4	70
43	Evanescent Wave Fiber Optic Biosensor for Salmonella Detection in Food. Sensors, 2009, 9, 5810-5824.	2.1	70
44	Targeted Capture of Pathogenic Bacteria Using a Mammalian Cell Receptor Coupled with Dielectrophoresis on a Biochip. Analytical Chemistry, 2009, 81, 3094-3101.	3.2	70
45	Bacterial Biofilms and Their Implications in Pathogenesis and Food Safety. Foods, 2021, 10, 2117.	1.9	69
46	Subtyping of foodborne and environmental isolates of Escherichia coli by multiplex-PCR, rep-PCR, PFGE, ribotyping and AFLP. Journal of Microbiological Methods, 2003, 53, 387-399.	0.7	67
47	Antigenic property of pediocin AcH produced by Pediococcus acidilactici H. Journal of Applied Bacteriology, 1990, 69, 211-215.	1.1	66
48	Sequential disinfection of Escherichia coli O157:H7 inoculated alfalfa seeds before and during sprouting using aqueous chlorine dioxide, ozonated water, and thyme essential oil. LWT - Food Science and Technology, 2003, 36, 235-243.	2.5	65
49	Adhesion characteristics of Listeria adhesion protein (LAP)-expressing Escherichia coli to Caco-2 cells and of recombinant LAP to eukaryotic receptor Hsp60 as examined in a surface plasmon resonance sensor. FEMS Microbiology Letters, 2006, 256, 324-332.	0.7	65
50	Foodborne Microbial Pathogens. Food Science Text Series, 2018, , .	0.3	62
51	Feature extraction from light-scatter patterns of Listeria colonies for identification and classification. Journal of Biomedical Optics, 2006, 11, 034006.	1.4	61
52	Tunicamycin Mediated Inhibition of Wall Teichoic Acid Affects Staphylococcus aureus and Listeria monocytogenes Cell Morphology, Biofilm Formation and Virulence. Frontiers in Microbiology, 2018, 9, 1352.	1.5	60
53	Antibodies to Listeria monocytogenes. Critical Reviews in Microbiology, 1997, 23, 77-107.	2.7	56
54	Antibody Microarray Detection ofEscherichiacoliO157:H7:Â Quantification, Assay Limitations, and Capture Efficiency. Analytical Chemistry, 2006, 78, 6601-6607.	3.2	56

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55	Biophysical modeling of forward scattering from bacterial colonies using scalar diffraction theory. Applied Optics, 2007, 46, 3639.	2.1	55
56	Glucose and Nutrient Concentrations Affect the Expression of a 104-Kilodalton Listeria Adhesion Protein in Listeria monocytogenes. Applied and Environmental Microbiology, 2002, 68, 4876-4883.	1.4	54
57	Bioengineered probiotics, a strategic approach to control enteric infections. Bioengineered, 2013, 4, 379-387.	1.4	54
58	Fiber-Optic Biosensor Employing Alexa-Fluor Conjugated Antibody for Detection of Escherichia coli O157:H7 from Ground Beef in Four Hours. Sensors, 2006, 6, 796-807.	2.1	53
59	Highly specific fiber optic immunosensor coupled with immunomagnetic separation for detection of low levels of Listeria monocytogenes and L. ivanovii. BMC Microbiology, 2012, 12, 275.	1.3	52
60	Deoxynivalenol-mimic nanobody isolated from a naÃ¯ve phage display nanobody library and its application in immunoassay. Analytica Chimica Acta, 2015, 887, 201-208.	2.6	51
61	The Use of a Novel NanoLuc -Based Reporter Phage for the Detection of Escherichia coli O157:H7. Scientific Reports, 2016, 6, 33235.	1.6	50
62	Electrical characterization of DNA molecules in solution using impedance measurements. Applied Physics Letters, 2008, 92, .	1.5	49
63	Food-Associated Stress Primes Foodborne Pathogens for the Gastrointestinal Phase of Infection. Frontiers in Microbiology, 2018, 9, 1962.	1.5	49
64	Efficacy of High Hydrostatic Pressure Treatment in Reducing Escherichia coli O157 and Listeria monocytogenes in Alfalfa Seeds. Journal of Food Science, 2004, 69, M117.	1.5	48
65	Lightâ€scattering sensor for realâ€time identification of <scp>V</scp>ibrio parahaemolyticus, <scp>V</scp>ibrio vulnificus and <scp>V</scp>ibrio cholerae colonies on solid agar plate. Microbial Biotechnology, 2012, 5, 607-620.	2.0	48
66	Laser Optical Sensor, a Label-Free On-Plate Salmonella enterica Colony Detection Tool. MBio, 2014, 5, e01019-13.	1.8	48
67	Gold Nanostars for the Detection of Foodborne Pathogens via Surface-Enhanced Raman Scattering Combined with Microfluidics. ACS Applied Nano Materials, 2019, 2, 6081-6086.	2.4	47
68	Antibody Immobilization on Waveguides Using aFlowâ€“Through System Shows Improved Listeria monocytogenesDetection in an Automated Fiber Optic Biosensor: RAPTORTM. Sensors, 2006, 6, 808-822.	2.1	46
69	Rapid Sample Processing for Detection of Food-Borne Pathogens via Cross-Flow Microfiltration. Applied and Environmental Microbiology, 2013, 79, 7048-7054.	1.4	46
70	Light Scattering Sensor for Direct Identification of Colonies of Escherichia coli Serogroups O26, O45, O103, O111, O121, O145 and O157. PLoS ONE, 2014, 9, e105272.	1.1	46
71	Receptor-targeted engineered probiotics mitigate lethal Listeria infection. Nature Communications, 2020, 11, 6344.	5.8	45
72	A modified method to directly detect in SDS-PAGE the bacteriocin of Pediococcus acidilactici. Letters in Applied Microbiology, 1992, 15, 5-7.	1.0	44

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73	PCR-based detection in a micro-fabricated platform. Lab on A Chip, 2008, 8, 1130.	3.1	44
74	A six-hour in vitro virulence assay for Listeria monocytogenes using myeloma and hybridoma cells from murine and human sources. Microbial Pathogenesis, 1994, 16, 99-110.	1.3	43
75	Quantification of bacterial cells based on autofluorescence on a microfluidic platform. Journal of Chromatography A, 2008, 1181, 153-158.	1.8	42
76	Salmonella enterica serovar Typhimurium adhesion and cytotoxicity during epithelial cell stress is reduced by Lactobacillus rhamnosus GG. Gut Pathogens, 2009, 1, 14.	1.6	42
77	Nano/Micro and Spectroscopic Approaches to Food Pathogen Detection. Annual Review of Analytical Chemistry, 2014, 7, 65-88.	2.8	42
78	Liposome-Doped Nanocomposites as Artificial-Cell-Based Biosensors: Detection of Listeriolysin O. Biotechnology Progress, 2006, 22, 32-37.	1.3	41
79	Effects of Dielectrophoresis on Growth, Viability and Immuno-reactivity of Listeria monocytogenes. Journal of Biological Engineering, 2008, 2, 6.	2.0	41
80	Antibodies and Immunoassays for Detection of Bacterial Pathogens. , 2008, , 567-602.		40
81	Fiber optic and light scattering sensors: Complimentary approaches to rapid detection of Salmonella enterica in food samples. Food Control, 2016, 61, 135-145.	2.8	40
82	Impact of starch-based emulsions on the antibacterial efficacies of nisin and thymol in cantaloupe juice. Food Chemistry, 2017, 217, 155-162.	4.2	40
83	Biosensor and molecular-based methods for the detection of human coronaviruses: A review. Molecular and Cellular Probes, 2020, 54, 101662.	0.9	40
84	Modern Approaches in Probiotics Research to Control Foodborne Pathogens. Advances in Food and Nutrition Research, 2012, 67, 185-239.	1.5	39
85	Carbohydrate nanoparticleâ€mediated colloidal assembly for prolonged efficacy of bacteriocin against food pathogen. Biotechnology and Bioengineering, 2011, 108, 1529-1536.	1.7	38
86	A Listeria adhesion protein-deficient Listeria monocytogenes strain shows reduced adhesion primarily to intestinal cell lines. Medical Microbiology and Immunology, 2003, 192, 85-91.	2.6	37
87	Characterization and application of a Listeria monocytogenes reactive monoclonal antibody C11E9 in a resonant mirror biosensor. Journal of Immunological Methods, 2003, 281, 119-128.	0.6	37
88	Expression of cellular antigens of Listeria monocytogenes that react with monoclonal antibodies C11E9 and EM-7G1 under acid-, salt- or temperature-induced stress environments. Journal of Applied Microbiology, 2003, 95, 762-772.	1.4	37
89	Selective Enrichment Media Affect the Antibody-Based Detection of Stress-Exposed Listeria monocytogenes due to Differential Expression of Antibody-Reactive Antigens Identified by Protein Sequencing. Journal of Food Protection, 2006, 69, 1879-1886.	0.8	37
90	Discovering the unknown: Detection of emerging pathogens using a labelâ€free lightâ€scattering system. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2010, 77A, 1103-1112.	1.1	37

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91	Methodology for identification of pore forming antimicrobial peptides from soy protein subunits Î²-conglycinin and glycinin. Peptides, 2016, 85, 27-40.	1.2	37
92	Influence of Temperature and Growth Phase on Expression of a 104-Kilodalton Listeria Adhesion Protein in Listeria monocytogenes. Applied and Environmental Microbiology, 1999, 65, 2765-2769.	1.4	37
93	Cytotoxicity Potential and Genotypic Characterization of Escherichia coli Isolates from Environmental and Food Sources. Applied and Environmental Microbiology, 2005, 71, 1890-1898.	1.4	36
94	Rapid Ped-2E9 Cell-Based Cytotoxicity Analysis and Genotyping of Bacillus Species. Journal of Clinical Microbiology, 2005, 43, 5865-5872.	1.8	36
95	N-Terminal Gly224â€“Gly411 Domain in Listeria Adhesion Protein Interacts with Host Receptor Hsp60. PLoS ONE, 2011, 6, e20694.	1.1	36
96	Specific detection of cytopathogenic Listeria monocytogenes using a two-step method of immunoseparation and cytotoxicity analysis. Journal of Microbiological Methods, 2005, 60, 259-268.	0.7	35
97	Modeling light propagation through bacterial colonies and its correlation with forward scattering patterns. Journal of Biomedical Optics, 2010, 15, 045001.	1.4	35
98	Classification of Bacterial Contamination Using Image Processing and Distributed Computing. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 232-239.	3.9	35
99	Differential expression of InlB and ActA in Listeria monocytogenes in selective and nonselective enrichment broths. Journal of Applied Microbiology, 2008, 104, 627-639.	1.4	34
100	Lactate dehydrogenase release assay from Vero cells to distinguish verotoxin producing Escherichia coli from non-verotoxin producing strains. Journal of Microbiological Methods, 2001, 43, 171-181.	0.7	32
101	LIGHT SCATTERING, FIBER OPTIC- AND CELL-BASED SENSORS FOR SENSITIVE DETECTION OF FOODBORNE PATHOGENS. Journal of Rapid Methods and Automation in Microbiology, 2007, 15, 121-145.	0.4	32
102	Characterization of antimicrobial activity against Listeria and cytotoxicity of native melittin and its mutant variants. Colloids and Surfaces B: Biointerfaces, 2016, 143, 194-205.	2.5	31
103	Monitoring Campylobacter in the poultry production chain â€" From culture to genes and beyond. Journal of Microbiological Methods, 2015, 112, 118-125.	0.7	30
104	On the sensitivity of forward scattering patterns from bacterial colonies to media composition. Journal of Biophotonics, 2011, 4, 236-243.	1.1	29
105	Labelâ€free identification of bacterial microcolonies via elastic scattering. Biotechnology and Bioengineering, 2011, 108, 637-644.	1.7	29
106	Detection of Pyocyanin Using a New Biodegradable SERS Biosensor Fabricated Using Gold Coated Zein Nanostructures Further Decorated with Gold Nanoparticles. Journal of Agricultural and Food Chemistry, 2019, 67, 4603-4610.	2.4	29
107	Secreted Listeria adhesion protein (Lap) influences Lap-mediated Listeria monocytogenes paracellular translocation through epithelial barrier. Gut Pathogens, 2013, 5, 16.	1.6	28
108	Pathogen biofilm formation on cantaloupe surface and its impact on the antibacterial effect of lauroyl arginate ethyl. Food Microbiology, 2017, 64, 139-144.	2.1	28

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109	Mixing dynamics and molecular interactions of HMW glutenins, LMW glutenins, and gliadins analyzed by fluorescent co-localization and protein network quantification. Journal of Cereal Science, 2019, 89, 102792.	1.8	28
110	Conductivity and pH dual detection of growth profile of healthy and stressedListeria monocytogenes. Biotechnology and Bioengineering, 2005, 92, 685-694.	1.7	25
111	Characterization ofListeria monocytogenesisolates of food and human origins from Brazil using molecular typing procedures andin vitrocell culture assays. International Journal of Environmental Health Research, 2010, 20, 43-59.	1.3	25
112	Electrical detection of dsDNA and polymerase chain reaction amplification. Biomedical Microdevices, 2011, 13, 973-982.	1.4	25
113	Simultaneous detection ofSalmonella enterica,Escherichia coliandListeria monocytogenesin food using a light scattering sensor. Journal of Applied Microbiology, 2019, 126, 1496-1507.	1.4	25
114	Analysis of time-resolved scattering from macroscale bacterial colonies. Journal of Biomedical Optics, 2008, 13, 014010.	1.4	24
115	Rapid identification and classification of Campylobacter spp. using laser optical scattering technology. Food Microbiology, 2015, 47, 28-35.	2.1	24
116	Listeria monocytogenes: review of pathogenesis and virulence determinants-targeted immunological assays. Critical Reviews in Microbiology, 2021, 47, 647-666.	2.7	24
117	Fructose 1,6-Bisphosphate Aldolase, a Novel Immunogenic Surface Protein on Listeria Species. PLoS ONE, 2016, 11, e0160544.	1.1	24
118	System automation for a bacterial colony detection and identification instrument via forward scattering. Measurement Science and Technology, 2009, 20, 015802.	1.4	23
119	Label-free, non-invasive light scattering sensor for rapid screening of Bacillus colonies. Journal of Microbiological Methods, 2015, 109, 56-66.	0.7	23
120	Antilisterial and Antibiofilm Activities of Pediocin and LAP Functionalized Gold Nanoparticles. Frontiers in Sustainable Food Systems, 2018, 2, .	1.8	23
121	Mechanistic study of membrane concentration and recovery ofListeria monocytogenes. Biotechnology and Bioengineering, 2005, 89, 263-273.	1.7	22
122	Genetic organization and molecular characterization of secA2 locus in Listeria species. Gene, 2011, 489, 76-85.	1.0	22
123	Streptomycin Induced Stress Response in Salmonella enterica Serovar Typhimurium Shows Distinct Colony Scatter Signature. PLoS ONE, 2015, 10, e0135035.	1.1	22
124	Effects of Arabinoxylans on Activation of Murine Macrophages and Growth Performance of Broiler Chicks. Cereal Chemistry, 2004, 81, 511-514.	1.1	21
125	Human heat-shock protein 60 receptor-coated paramagnetic beads show improved capture of Listeria monocytogenes in the presence of other Listeria in food. Journal of Applied Microbiology, 2011, 111, 93-104.	1.4	21
126	Pathogen enrichment device (PED) enables one-step growth, enrichment and separation of pathogen from food matrices for detection using bioanalytical platforms. Journal of Microbiological Methods, 2015, 117, 64-73.	0.7	21

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127	Effect of physicochemical properties of peptides from soy protein on their antimicrobial activity. Peptides, 2017, 94, 10-18.	1.2	21
128	Biofilm-isolated Listeria monocytogenes exhibits reduced systemic dissemination at the early (12â€“24â€‰h) stage of infection in a mouse model. Npj Biofilms and Microbiomes, 2021, 7, 18.	2.9	21
129	Unstable Expression and Thermal Instability of a Species-Specific Cell Surface Epitope Associated with a 66-Kilodalton Antigen Recognized by Monoclonal Antibody EM-7G1 within Serotypes of Listeria monocytogenes Grown in Nonselective and Selective Broths. Applied and Environmental Microbiology, 1998, 64, 3070-3074.	1.4	21
130	Analysis of environmental Escherichia coli isolates for virulence genes using the TaqManR PCR system. Journal of Applied Microbiology, 2003, 95, 612-620.	1.4	19
131	Hybridoma Ped-2E9 cells cultured under modified conditions can sensitively detect Listeria monocytogenes and Bacillus cereus. Applied Microbiology and Biotechnology, 2007, 73, 1423-1434.	1.7	19
132	Probing the distribution of gliadin proteins in dough and baked bread using conjugated quantum dots as a labeling tool. Journal of Cereal Science, 2015, 63, 41-48.	1.8	19
133	Lysozyme for capture of microorganisms on protein biochips. Enzyme and Microbial Technology, 2003, 33, 958-966.	1.6	18
134	Development of a rapid 1-h fluorescence-based cytotoxicity assay for Listeria species. Journal of Microbiological Methods, 2003, 55, 35-40.	0.7	18
135	Optimization of a rapid dot-blot immunoassay for detection of Salmonella enterica serovar Enteritidis in poultry products and environmental samples. Food Microbiology, 2004, 21, 761-769.	2.1	18
136	Effect of immobilization on the antimicrobial activity of a cysteine-terminated antimicrobial Peptide Cecropin P1 tethered to silica nanoparticle against E. coli O157:H7 EDL933. Colloids and Surfaces B: Biointerfaces, 2017, 156, 305-312.	2.5	18
137	Biofilm of Escherichia coli O157:H7 on cantaloupe surface is resistant to lauroyl arginate ethyl and sodium hypochlorite. International Journal of Food Microbiology, 2017, 260, 11-16.	2.1	18
138	Conjugation of Specifically Developed Antibodies for High- and Low-Molecular-Weight Glutenins with Fluorescent Quantum Dots as a Tool for Their Detection in Wheat Flour Dough. Journal of Agricultural and Food Chemistry, 2018, 66, 4259-4266.	2.4	18
139	Three Dimensional Vero Cell-Platform for Rapid and Sensitive Screening of Shiga-Toxin Producing Escherichia coli. Frontiers in Microbiology, 2019, 10, 949.	1.5	18
140	Current State of Development of Biosensors and Their Application in Foodborne Pathogen Detection. Journal of Food Protection, 2021, 84, 1213-1227.	0.8	18
141	Reactivities of Genus-Specific Monoclonal Antibody EM-6E11 against Listeria Species and Serotypes of Listeria monocytogenes Grown in Nonselective and Selective Enrichment Broth Media. Journal of Food Protection, 1998, 61, 1195-1198.	0.8	17
142	Novel PCR Assays Complement Laser Biosensor-Based Method and Facilitate Listeria Species Detection from Food. Sensors, 2015, 15, 22672-22691.	2.1	17
143	Virulence Gene-Associated Mutant Bacterial Colonies Generate Differentiating Two-Dimensional Laser Scatter Fingerprints. Applied and Environmental Microbiology, 2016, 82, 3256-3268.	1.4	17
144	Cold Denaturation of Proteins: Where Bioinformatics Meets Thermodynamics to Offer a Mechanistic Understanding: Pea Protein As a Case Study. Journal of Agricultural and Food Chemistry, 2021, 69, 6339-6350.	2.4	17

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145	Micro-assembly of functionalized particulate monolayer on C18-derivatized SiO2 surfaces. Biotechnology and Bioengineering, 2003, 83, 416-427.	1.7	16
146	Performance evaluation of a low conductive growth medium (LCGM) for growth of healthy and stressed Listeria monocytogenes and other common bacterial species. International Journal of Food Microbiology, 2006, 111, 12-20.	2.1	16
147	Mammalian Cell-Based Sensor System. , 2010, 117, 21-55.		15
148	Mixed culture enrichment of Escherichia coli O157:H7, Listeria monocytogenes, Salmonella enterica, and Yersinia enterocolitica. Food Control, 2012, 26, 269-273.	2.8	15
149	Laser-induced speckle scatter patterns in Bacillus colonies. Frontiers in Microbiology, 2014, 5, 537.	1.5	15
150	Antibody- and nucleic acidâ€“based lateral flow immunoassay for Listeria monocytogenes detection. Analytical and Bioanalytical Chemistry, 2021, 413, 4161-4180.	1.9	15
151	Validation of Bioinformatic Modeling for the Zeta Potential of Vicilin, Legumin, and Commercial Pea Protein Isolate. Food Biophysics, 2021, 16, 474-483.	1.4	15
152	Development of a multispectral lightâ€scatter sensor for bacterial colonies. Journal of Biophotonics, 2017, 10, 634-644.	1.1	14
153	Lactobacillus casei expressing Internalins A and B reduces Listeria monocytogenes interaction with Caco2 cells inVitro. Microbial Biotechnology, 2019, 12, 715-729.	2.0	14
154	Determination of bacteriocin-encoding plasmids of Pediococcus acidilactici strains by Southern hybridization. Letters in Applied Microbiology, 1994, 18, 168-170.	1.0	13
155	IMMUNOLOGICAL AND CYTOPATHOGENIC PROPERTIES OF LISTERIA MONOCYTOGENES ISOLATED FROM NATURALLY CONTAMINATED MEATS. Journal of Food Safety, 1999, 19, 195-207.	1.1	13
156	Characterization of surface proteins of Cronobacter muytjensii using monoclonal antibodies and MALDI-TOF Mass spectrometry. BMC Microbiology, 2011, 11, 148.	1.3	13
157	Development of an integrated optical analyzer for characterization of growth dynamics of bacterial colonies. Journal of Biophotonics, 2013, 6, 929-937.	1.1	13
158	Animal-Use Antibiotics Induce Cross-Resistance in Bacterial Pathogens to Human Therapeutic Antibiotics. Current Microbiology, 2019, 76, 1112-1117.	1.0	13
159	Effects of fulvic acid size on microcystin-LR photodegradation and detoxification in the chlorine/UV process. Water Research, 2021, 193, 116893.	5.3	13
160	Optical immunosensors for detection of Listeria monocytogenes and Salmonella enteritidis from food. , 2004, , .		12
161	The 2-Cys Peroxiredoxin-Deficient Listeria monocytogenes Displays Impaired Growth and Survival in the Presence of Hydrogen Peroxide In Vitro But Not in Mouse Organs. Current Microbiology, 2007, 54, 382-387.	1.0	12
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