

# Arun Bhunia

## List of Publications by Citations

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217  
papers

7,752  
citations

49  
h-index

78  
g-index

241  
ext. papers

8,748  
ext. citations

5  
avg, IF

6.26  
L-index

#	Paper	IF	Citations
217	Purification, characterization and antimicrobial spectrum of a bacteriocin produced by <i>Pediococcus acidilactici</i> . <i>Journal of Applied Bacteriology</i> , <b>1988</b> , 65, 261-8		312
216	Efficacy of Chlorine Dioxide, Ozone, and Thyme Essential Oil or a Sequential Washing in Killing <i>Escherichia coli</i> O157:H7 on Lettuce and Baby Carrots. <i>LWT - Food Science and Technology</i> , <b>2002</b> , 35, 720-729	5.4	249
215	Bacteria-mediated delivery of nanoparticles and cargo into cells. <i>Nature Nanotechnology</i> , <b>2007</b> , 2, 441-9	28.7	242
214	Mode of action of pediocin ACh from <i>Pediococcus acidilactici</i> H on sensitive bacterial strains. <i>Journal of Applied Bacteriology</i> , <b>1991</b> , 70, 25-33		224
213	Direct detection of an antimicrobial peptide of <i>Pediococcus acidilactici</i> in sodium dodecyl sulfate-polyacrylamide gel electrophoresis. <i>Journal of Industrial Microbiology</i> , <b>1987</b> , 2, 319-322		197
212	WST-1-based cell cytotoxicity assay as a substitute for MTT-based assay for rapid detection of toxigenic <i>Bacillus</i> species using CHO cell line. <i>Journal of Microbiological Methods</i> , <b>2008</b> , 73, 211-5	2.8	178
211	Effect of inoculation and washing methods on the efficacy of different sanitizers against <i>Escherichia coli</i> O157:H7 on lettuce. <i>Food Microbiology</i> , <b>2002</b> , 19, 183-193	6	135
210	Mammalian cell-based biosensors for pathogens and toxins. <i>Trends in Biotechnology</i> , <b>2009</b> , 27, 179-88	15.1	127
209	Microfluidic Biochip for Impedance Spectroscopy of Biological Species. <i>Biomedical Microdevices</i> , <b>2001</b> , 3, 201-209	3.7	122
208	Antibody-aptamer functionalized fibre-optic biosensor for specific detection of <i>Listeria monocytogenes</i> from food. <i>Journal of Applied Microbiology</i> , <b>2010</b> , 109, 808-17	4.7	117
207	A microfluidic flow-through device for high throughput electrical lysis of bacterial cells based on continuous dc voltage. <i>Biosensors and Bioelectronics</i> , <b>2006</b> , 22, 582-8	11.8	117
206	Microscale electronic detection of bacterial metabolism. <i>Sensors and Actuators B: Chemical</i> , <b>2002</b> , 86, 198-208	8.5	114
205	SPR biosensor for the detection of <i>L. monocytogenes</i> using phage-displayed antibody. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 23, 248-52	11.8	113
204	Label-free detection of multiple bacterial pathogens using light-scattering sensor. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 1685-92	11.8	110
203	Designing carbohydrate nanoparticles for prolonged efficacy of antimicrobial peptide. <i>Journal of Controlled Release</i> , <b>2011</b> , 150, 150-6	11.7	108
202	A multifunctional micro-fluidic system for dielectrophoretic concentration coupled with immuno-capture of low numbers of <i>Listeria monocytogenes</i> . <i>Lab on A Chip</i> , <b>2006</b> , 6, 896-905	7.2	107
201	Optical forward-scattering for detection of <i>Listeria monocytogenes</i> and other <i>Listeria</i> species. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 22, 1664-71	11.8	106

200	Nucleotide and amino acid sequence of pap-gene (pediocin AcH production) in <i>Pediococcus acidilactici</i> H. <i>Letters in Applied Microbiology</i> , <b>1992</b> , 15, 45-8	2.9	103
199	Multiplex fiber optic biosensor for detection of <i>Listeria monocytogenes</i> , <i>Escherichia coli</i> O157:H7 and <i>Salmonella enterica</i> from ready-to-eat meat samples. <i>Food Microbiology</i> , <b>2013</b> , 33, 166-71	6	95
198	Detection of low levels of <i>Listeria monocytogenes</i> cells by using a fiber-optic immunosensor. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 6138-46	4.8	95
197	Biosensors and bio-based methods for the separation and detection of foodborne pathogens. <i>Advances in Food and Nutrition Research</i> , <b>2008</b> , 54, 1-44	6	89
196	SEL, a selective enrichment broth for simultaneous growth of <i>Salmonella enterica</i> , <i>Escherichia coli</i> O157:H7, and <i>Listeria monocytogenes</i> . <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 4853-66	4.8	85
195	Heat shock protein 60 acts as a receptor for the <i>Listeria</i> adhesion protein in Caco-2 cells. <i>Infection and Immunity</i> , <b>2004</b> , 72, 931-6	3.7	83
194	LAP, an alcohol acetaldehyde dehydrogenase enzyme in <i>Listeria</i> , promotes bacterial adhesion to enterocyte-like Caco-2 cells only in pathogenic species. <i>Microbiology (United Kingdom)</i> , <b>2010</b> , 156, 2782-2795	2.9	82
193	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. <i>Laboratory Investigation</i> , <b>2008</b> , 88, 196-206	5.9	81
192	Rapid pathogen detection by lateral-flow immunochromatographic assay with gold nanoparticle-assisted enzyme signal amplification. <i>International Journal of Food Microbiology</i> , <b>2015</b> , 206, 60-6	5.8	79
191	Efficacy of plant essential oils as antimicrobial agents against <i>Listeria monocytogenes</i> in hotdogs. <i>LWT - Food Science and Technology</i> , <b>2003</b> , 36, 787-794	5.4	77
190	<i>Listeria monocytogenes</i> uses <i>Listeria</i> adhesion protein (LAP) to promote bacterial transepithelial translocation and induces expression of LAP receptor Hsp60. <i>Infection and Immunity</i> , <b>2010</b> , 78, 5062-73	3.7	73
189	<i>Listeria</i> Adhesion Protein Induces Intestinal Epithelial Barrier Dysfunction for Bacterial Translocation. <i>Cell Host and Microbe</i> , <b>2018</b> , 23, 470-484.e7	23.4	72
188	Composite surface for blocking bacterial adsorption on protein biochips. <i>Biotechnology and Bioengineering</i> , <b>2003</b> , 81, 618-24	4.9	72
187	Recombinant probiotic expressing <i>Listeria</i> adhesion protein attenuates <i>Listeria monocytogenes</i> virulence in vitro. <i>PLoS ONE</i> , <b>2012</b> , 7, e29277	3.7	71
186	Cell-based biosensor for rapid screening of pathogens and toxins. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 99-106	11.8	69
185	Genetic homogeneity among <i>Listeria monocytogenes</i> strains from infected patients and meat products from two geographic locations determined by phenotyping, ribotyping and PCR analysis of virulence genes. <i>International Journal of Food Microbiology</i> , <b>2002</b> , 76, 1-10	5.8	68
184	Targeted capture of pathogenic bacteria using a mammalian cell receptor coupled with dielectrophoresis on a biochip. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 3094-101	7.8	67
183	One day to one hour: how quickly can foodborne pathogens be detected?. <i>Future Microbiology</i> , <b>2014</b> , 9, 935-46	2.9	65

182	Lactobacillus delbrueckii ssp. bulgaricus B-30892 can inhibit cytotoxic effects and adhesion of pathogenic Clostridium difficile to Caco-2 cells. <i>Gut Pathogens</i> , <b>2009</b> , 1, 8	5.4	65
181	Expression of LAP, a SecA2-dependent secretory protein, is induced under anaerobic environment. <i>Microbes and Infection</i> , <b>2009</b> , 11, 859-67	9.3	65
180	Complete Inhibition of Low Levels of Listeria monocytogenes on Refrigerated Chicken Meat with Pediocin AcH Bound to Heat-Killed Pediococcus acidilactici Cells. <i>Journal of Food Protection</i> , <b>1996</b> , 59, 1187-1192	2.5	61
179	Delivery systems of antimicrobial compounds to food. <i>Trends in Food Science and Technology</i> , <b>2016</b> , 57, 165-177	15.3	61
178	Effect of environmental stresses on antibody-based detection of Escherichia coli O157:H7, Salmonella enterica serotype Enteritidis and Listeria monocytogenes. <i>Journal of Applied Microbiology</i> , <b>2006</b> , 100, 1017-27	4.7	59
177	Subtyping of foodborne and environmental isolates of Escherichia coli by multiplex-PCR, rep-PCR, PFGE, ribotyping and AFLP. <i>Journal of Microbiological Methods</i> , <b>2003</b> , 53, 387-99	2.8	59
176	Effect of sublethal heat stress on Salmonella Typhimurium virulence. <i>Journal of Applied Microbiology</i> , <b>2011</b> , 110, 813-22	4.7	58
175	Evanescent wave fiber optic biosensor for salmonella detection in food. <i>Sensors</i> , <b>2009</b> , 9, 5810-24	3.8	57
174	Adhesion, invasion, and translocation characteristics of Listeria monocytogenes serotypes in Caco-2 cell and mouse models. <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 3640-5	4.8	57
173	Crossing the Intestinal Barrier via Listeria Adhesion Protein and Internalin A. <i>Trends in Microbiology</i> , <b>2019</b> , 27, 408-425	12.4	57
172	Sequential disinfection of Escherichia coli O157:H7 inoculated alfalfa seeds before and during sprouting using aqueous chlorine dioxide, ozonated water, and thyme essential oil. <i>LWT - Food Science and Technology</i> , <b>2003</b> , 36, 235-243	5.4	56
171	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. <i>FEMS Microbiology Letters</i> , <b>2006</b> , 256, 324-32	2.9	55
170	Antibody microarray detection of Escherichia coli O157:H7: Quantification, assay limitations, and capture efficiency. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 6601-7	7.8	51
169	Antigenic property of pediocin AcH produced by Pediococcus acidilactici H. <i>Journal of Applied Bacteriology</i> , <b>1990</b> , 69, 211-5		50
168	Feature extraction from light-scatter patterns of Listeria colonies for identification and classification. <i>Journal of Biomedical Optics</i> , <b>2006</b> , 11, 34006	3.5	49
167	Antibodies to Listeria monocytogenes. <i>Critical Reviews in Microbiology</i> , <b>1997</b> , 23, 77-107	7.8	48
166	Fiber-Optic Biosensor Employing Alexa-Fluor Conjugated Antibody for Detection of Escherichia coli O157:H7 from Ground Beef in Four Hours. <i>Sensors</i> , <b>2006</b> , 6, 796-807	3.8	47
165	Biophysical modeling of forward scattering from bacterial colonies using scalar diffraction theory. <i>Applied Optics</i> , <b>2007</b> , 46, 3639-48	1.7	46

164	Glucose and nutrient concentrations affect the expression of a 104-kilodalton <i>Listeria</i> adhesion protein in <i>Listeria monocytogenes</i> . <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 4876-83	4.8	43
163	The Use of a Novel NanoLuc -Based Reporter Phage for the Detection of <i>Escherichia coli</i> O157:H7. <i>Scientific Reports</i> , <b>2016</b> , 6, 33235	4.9	42
162	Light-scattering sensor for real-time identification of <i>Vibrio parahaemolyticus</i> , <i>Vibrio vulnificus</i> and <i>Vibrio cholerae</i> colonies on solid agar plate. <i>Microbial Biotechnology</i> , <b>2012</b> , 5, 607-20	6.3	42
161	Rapid sample processing for detection of food-borne pathogens via cross-flow microfiltration. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 7048-54	4.8	42
160	Efficacy of High Hydrostatic Pressure Treatment in Reducing <i>Escherichia coli</i> O157 and <i>Listeria monocytogenes</i> in Alfalfa Seeds. <i>Journal of Food Science</i> , <b>2006</b> , 69, M117-M120	3.4	42
159	Bioengineered probiotics, a strategic approach to control enteric infections. <i>Bioengineered</i> , <b>2013</b> , 4, 379-87	3.7	41
158	Light scattering sensor for direct identification of colonies of <i>Escherichia coli</i> serogroups O26, O45, O103, O111, O121, O145 and O157. <i>PLoS ONE</i> , <b>2014</b> , 9, e105272	3.7	40
157	Electrical characterization of DNA molecules in solution using impedance measurements. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 143902	3.4	40
156	Deoxynivalenol-mimic nanobody isolated from a naïve phage display nanobody library and its application in immunoassay. <i>Analytica Chimica Acta</i> , <b>2015</b> , 887, 201-208	6.6	39
155	Foodborne Microbial Pathogens. <i>Food Science Text Series</i> , <b>2018</b> ,	2	39
154	Laser optical sensor, a label-free on-plate <i>Salmonella enterica</i> colony detection tool. <i>MBio</i> , <b>2014</b> , 5, e01018-13	4.8	38
153	Highly specific fiber optic immunosensor coupled with immunomagnetic separation for detection of low levels of <i>Listeria monocytogenes</i> and <i>L. ivanovii</i> . <i>BMC Microbiology</i> , <b>2012</b> , 12, 275	4.5	38
152	Nano/micro and spectroscopic approaches to food pathogen detection. <i>Annual Review of Analytical Chemistry</i> , <b>2014</b> , 7, 65-88	12.5	37
151	Tunicamycin Mediated Inhibition of Wall Teichoic Acid Affects and Cell Morphology, Biofilm Formation and Virulence. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1352	5.7	36
150	Selective enrichment media affect the antibody-based detection of stress-exposed <i>Listeria monocytogenes</i> due to differential expression of antibody-reactive antigens identified by protein sequencing. <i>Journal of Food Protection</i> , <b>2006</b> , 69, 1879-86	2.5	36
149	A modified method to directly detect in SDS-PAGE the bacteriocin of <i>Pediococcus acidilactici</i> . <i>Letters in Applied Microbiology</i> , <b>1992</b> , 15, 5-7	2.9	36
148	Fundamental Food Microbiology		36
147	PCR-based detection in a micro-fabricated platform. <i>Lab on A Chip</i> , <b>2008</b> , 8, 1130-6	7.2	35

146	Quantification of bacterial cells based on autofluorescence on a microfluidic platform. <i>Journal of Chromatography A</i> , <b>2008</b> , 1181, 153-8	4.5	35
145	Liposome-doped nanocomposites as artificial-cell-based biosensors: detection of listeriolysin O. <i>Biotechnology Progress</i> , <b>2006</b> , 22, 32-7	2.8	35
144	Antibody Immobilization on Waveguides Using a Flow-through System Shows Improved Listeria monocytogenes Detection in an Automated Fiber Optic Biosensor: RAPTORTM. <i>Sensors</i> , <b>2006</b> , 6, 808-822	3.8	35
143	Salmonella enterica serovar Typhimurium adhesion and cytotoxicity during epithelial cell stress is reduced by Lactobacillus rhamnosus GG. <i>Gut Pathogens</i> , <b>2009</b> , 1, 14	5.4	34
142	Effects of Dielectrophoresis on Growth, Viability and Immuno-reactivity of Listeria monocytogenes. <i>Journal of Biological Engineering</i> , <b>2008</b> , 2, 6	6.3	34
141	Carbohydrate nanoparticle-mediated colloidal assembly for prolonged efficacy of bacteriocin against food pathogen. <i>Biotechnology and Bioengineering</i> , <b>2011</b> , 108, 1529-36	4.9	33
140	Specific detection of cytopathogenic Listeria monocytogenes using a two-step method of immunoseparation and cytotoxicity analysis. <i>Journal of Microbiological Methods</i> , <b>2005</b> , 60, 259-68	2.8	33
139	Characterization and application of a Listeria monocytogenes reactive monoclonal antibody C11E9 in a resonant mirror biosensor. <i>Journal of Immunological Methods</i> , <b>2003</b> , 281, 119-28	2.5	33
138	Expression of cellular antigens of Listeria monocytogenes that react with monoclonal antibodies C11E9 and EM-7G1 under acid-, salt- or temperature-induced stress environments. <i>Journal of Applied Microbiology</i> , <b>2003</b> , 95, 762-72	4.7	33
137	A six-hour in vitro virulence assay for Listeria monocytogenes using myeloma and hybridoma cells from murine and human sources. <i>Microbial Pathogenesis</i> , <b>1994</b> , 16, 99-110	3.8	33
136	Impact of starch-based emulsions on the antibacterial efficacies of nisin and thymol in cantaloupe juice. <i>Food Chemistry</i> , <b>2017</b> , 217, 155-162	8.5	32
135	A Listeria adhesion protein-deficient Listeria monocytogenes strain shows reduced adhesion primarily to intestinal cell lines. <i>Medical Microbiology and Immunology</i> , <b>2003</b> , 192, 85-91	4	32
134	Influence of temperature and growth phase on expression of a 104-kilodalton Listeria adhesion protein in Listeria monocytogenes. <i>Applied and Environmental Microbiology</i> , <b>1999</b> , 65, 2765-9	4.8	32
133	Gold Nanostars for the Detection of Foodborne Pathogens via Surface-Enhanced Raman Scattering Combined with Microfluidics. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 6081-6086	5.6	31
132	Differential expression of InlB and ActA in Listeria monocytogenes in selective and nonselective enrichment broths. <i>Journal of Applied Microbiology</i> , <b>2008</b> , 104, 627-39	4.7	31
131	LIGHT SCATTERING, FIBER OPTIC- AND CELL-BASED SENSORS FOR SENSITIVE DETECTION OF FOODBORNE PATHOGENS. <i>Journal of Rapid Methods and Automation in Microbiology</i> , <b>2007</b> , 15, 121-145		31
130	Classification of bacterial contamination using image processing and distributed computing. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2013</b> , 17, 232-9	7.2	29
129	Cytotoxicity potential and genotypic characterization of Escherichia coli isolates from environmental and food sources. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 1890-8	4.8	29

128	Modern approaches in probiotics research to control foodborne pathogens. <i>Advances in Food and Nutrition Research</i> , <b>2012</b> , 67, 185-239	6	28
127	Antibodies and Immunoassays for Detection of Bacterial Pathogens <b>2008</b> , 567-602		28
126	Discovering the unknown: detection of emerging pathogens using a label-free light-scattering system. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2010</b> , 77, 1103-1126	4.6	27
125	N-terminal Gly(224)-Gly(411) domain in Listeria adhesion protein interacts with host receptor Hsp60. <i>PLoS ONE</i> , <b>2011</b> , 6, e20694	3.7	27
124	Modeling light propagation through bacterial colonies and its correlation with forward scattering patterns. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 045001	3.5	26
123	Food-Associated Stress Primes Foodborne Pathogens for the Gastrointestinal Phase of Infection. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1962	5.7	25
122	Monitoring Campylobacter in the poultry production chain from culture to genes and beyond. <i>Journal of Microbiological Methods</i> , <b>2015</b> , 112, 118-25	2.8	24
121	Characterization of antimicrobial activity against Listeria and cytotoxicity of native melittin and its mutant variants. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 143, 194-205	6	24
120	On the sensitivity of forward scattering patterns from bacterial colonies to media composition. <i>Journal of Biophotonics</i> , <b>2011</b> , 4, 236-43	3.1	24
119	Rapid Ped-2E9 cell-based cytotoxicity analysis and genotyping of Bacillus species. <i>Journal of Clinical Microbiology</i> , <b>2005</b> , 43, 5865-72	9.7	24
118	Lactate dehydrogenase release assay from Vero cells to distinguish verotoxin producing Escherichia coli from non-verotoxin producing strains. <i>Journal of Microbiological Methods</i> , <b>2001</b> , 43, 171-81	3.8	24
117	Fiber optic and light scattering sensors: Complimentary approaches to rapid detection of Salmonella enterica in food samples. <i>Food Control</i> , <b>2016</b> , 61, 135-145	6.2	23
116	Conductivity and pH dual detection of growth profile of healthy and stressed Listeria monocytogenes. <i>Biotechnology and Bioengineering</i> , <b>2005</b> , 92, 685-94	4.9	23
115	Secreted Listeria adhesion protein (Lap) influences Lap-mediated Listeria monocytogenes paracellular translocation through epithelial barrier. <i>Gut Pathogens</i> , <b>2013</b> , 5, 16	5.4	22
114	Biosensor and molecular-based methods for the detection of human coronaviruses: A review. <i>Molecular and Cellular Probes</i> , <b>2020</b> , 54, 101662	3.3	22
113	Rapid identification and classification of Campylobacter spp. using laser optical scattering technology. <i>Food Microbiology</i> , <b>2015</b> , 47, 28-35	6	21
112	Label-free identification of bacterial microcolonies via elastic scattering. <i>Biotechnology and Bioengineering</i> , <b>2011</b> , 108, 637-44	4.9	21
111	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. <i>Applied and Environmental Microbiology</i> , <b>1998</b> , 64, 3070-4	4.8	21

110	Mixing dynamics and molecular interactions of HMW glutenins, LMW glutenins, and gliadins analyzed by fluorescent co-localization and protein network quantification. <i>Journal of Cereal Science</i> , <b>2019</b> , 89, 102792	3.8	20
109	Methodology for identification of pore forming antimicrobial peptides from soy protein subunits $\beta$ -conglycinin and glycinin. <i>Peptides</i> , <b>2016</b> , 85, 27-40	3.8	20
108	Characterization of <i>Listeria monocytogenes</i> isolates of food and human origins from Brazil using molecular typing procedures and in vitro cell culture assays. <i>International Journal of Environmental Health Research</i> , <b>2010</b> , 20, 43-59	3.6	20
107	Receptor-targeted engineered probiotics mitigate lethal <i>Listeria</i> infection. <i>Nature Communications</i> , <b>2020</b> , 11, 6344	17.4	19
106	System automation for a bacterial colony detection and identification instrument via forward scattering. <i>Measurement Science and Technology</i> , <b>2009</b> , 20, 015802	2	19
105	Analysis of time-resolved scattering from macroscale bacterial colonies. <i>Journal of Biomedical Optics</i> , <b>2008</b> , 13, 014010	3.5	19
104	Analysis of environmental <i>Escherichia coli</i> isolates for virulence genes using the TaqMan PCR system. <i>Journal of Applied Microbiology</i> , <b>2003</b> , 95, 612-20	4.7	19
103	Mechanistic study of membrane concentration and recovery of <i>Listeria monocytogenes</i> . <i>Biotechnology and Bioengineering</i> , <b>2005</b> , 89, 263-73	4.9	19
102	Bacterial Biofilms and Their Implications in Pathogenesis and Food Safety. <i>Foods</i> , <b>2021</b> , 10,	4.9	19
101	Detection of Pyocyanin Using a New Biodegradable SERS Biosensor Fabricated Using Gold Coated Zein Nanostructures Further Decorated with Gold Nanoparticles. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 4603-4610	5.7	18
100	Genetic organization and molecular characterization of secA2 locus in <i>Listeria</i> species. <i>Gene</i> , <b>2011</b> , 489, 76-85	3.8	18
99	Human heat-shock protein 60 receptor-coated paramagnetic beads show improved capture of <i>Listeria monocytogenes</i> in the presence of other <i>Listeria</i> in food. <i>Journal of Applied Microbiology</i> , <b>2011</b> , 111, 93-104	4.7	18
98	Antilisterial and Antibiofilm Activities of Pediocin and LAP Functionalized Gold Nanoparticles. <i>Frontiers in Sustainable Food Systems</i> , <b>2018</b> , 2,	4.8	18
97	Label-free, non-invasive light scattering sensor for rapid screening of <i>Bacillus</i> colonies. <i>Journal of Microbiological Methods</i> , <b>2015</b> , 109, 56-66	2.8	17
96	Development of a rapid 1-h fluorescence-based cytotoxicity assay for <i>Listeria</i> species. <i>Journal of Microbiological Methods</i> , <b>2003</b> , 55, 35-40	2.8	17
95	Reactivities of genus-specific monoclonal antibody EM-6E11 against <i>Listeria</i> species and serotypes of <i>Listeria monocytogenes</i> grown in nonselective and selective enrichment broth media. <i>Journal of Food Protection</i> , <b>1998</b> , 61, 1195-8	2.5	17
94	Pathogen enrichment device (PED) enables one-step growth, enrichment and separation of pathogen from food matrices for detection using bioanalytical platforms. <i>Journal of Microbiological Methods</i> , <b>2015</b> , 117, 64-73	2.8	16
93	Electrical detection of dsDNA and polymerase chain reaction amplification. <i>Biomedical Microdevices</i> , <b>2011</b> , 13, 973-82	3.7	16



92	Performance evaluation of a low conductive growth medium (LCGM) for growth of healthy and stressed <i>Listeria monocytogenes</i> and other common bacterial species. <i>International Journal of Food Microbiology</i> , <b>2006</b> , 111, 12-20	5.8	16
91	Lysozyme for capture of microorganisms on protein biochips. <i>Enzyme and Microbial Technology</i> , <b>2003</b> , 33, 958-966	3.8	16
90	Simultaneous detection of <i>Salmonella enterica</i> , <i>Escherichia coli</i> and <i>Listeria monocytogenes</i> in food using a light scattering sensor. <i>Journal of Applied Microbiology</i> , <b>2019</b> , 126, 1496-1507	4.7	16
89	Pathogen biofilm formation on cantaloupe surface and its impact on the antibacterial effect of lauroyl arginate ethyl. <i>Food Microbiology</i> , <b>2017</b> , 64, 139-144	6	15
88	Probing the distribution of gliadin proteins in dough and baked bread using conjugated quantum dots as a labeling tool. <i>Journal of Cereal Science</i> , <b>2015</b> , 63, 41-48	3.8	15
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