

# Byron F Brehm-Stecher

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,357  
citations

567144

15  
h-index

454834

30  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2166  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Cell Microbiology: Tools, Technologies, and Applications. <i>Microbiology and Molecular Biology Reviews</i> , 2004, 68, 538-559.	2.9	415
2	Sensitization of <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> to Antibiotics by the Sesquiterpenoids Nerolidol, Farnesol, Bisabolol, and Apritone. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 3357-3360.	1.4	244
3	Sample Preparation: The Forgotten Beginning. <i>Journal of Food Protection</i> , 2009, 72, 1774-1789.	0.8	117
4	Antibacterial Soybean Oil-Based Cationic Polyurethane Coatings Prepared from Different Amino Polyols. <i>ChemSusChem</i> , 2012, 5, 2221-2227.	3.6	59
5	Capture, Concentration, and Detection of <i>Salmonella</i> in Foods Using Magnetic Ionic Liquids and Recombinase Polymerase Amplification. <i>Analytical Chemistry</i> , 2019, 91, 1113-1120.	3.2	46
6	Enhanced dark field microscopy for rapid artifact-free detection of nanoparticle binding to <i>Candida albicans</i> cells and hyphae. <i>Biotechnology Journal</i> , 2009, 4, 871-879.	1.8	44
7	Simple Adhesive-Tape-Based Sampling of Tomato Surfaces Combined with Rapid Fluorescence In Situ Hybridization for <i>Salmonella</i> Detection. <i>Applied and Environmental Microbiology</i> , 2009, 75, 1450-1455.	1.4	42
8	Antilisterial Effects of Gravinol-S Grape Seed Extract at Low Levels in Aqueous Media and Its Potential Application as a Produce Wash. <i>Journal of Food Protection</i> , 2010, 73, 266-273.	0.8	42
9	Thermo-Mechanical and Antibacterial Properties of Soybean Oil-Based Cationic Polyurethane Coatings: Effects of Amine Ratio and Degree of Crosslinking. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 1042-1051.	1.7	39
10	Design and Evaluation of 16S rRNA-Targeted Peptide Nucleic Acid Probes for Whole-Cell Detection of Members of the Genus <i>Listeria</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 5451-5457.	1.4	32
11	Combined capillary electrophoresis and DNA-fluorescence <i>in situ</i> hybridization for rapid molecular identification of <i>Salmonella</i> Typhimurium in mixed culture. <i>Electrophoresis</i> , 2008, 29, 2477-2484.	1.3	30
12	Soy Protein Diet, but Not <i>Lactobacillus rhamnosus</i> GG, Decreases Mucin-1, Trefoil Factor-3, and Tumor Necrosis Factor- $\alpha$ in Colon of Dextran Sodium Sulfate-Treated C57BL/6 Mice. <i>Journal of Nutrition</i> , 2011, 141, 1239-1246.	1.3	29
13	Value-Added Production of Nisin from Soy Whey. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 1819-1833.	1.4	28
14	Rapid identification of <i>Candida albicans</i> in blood by combined capillary electrophoresis and fluorescence <i>in situ</i> hybridization. <i>Electrophoresis</i> , 2010, 31, 2849-2853.	1.3	25
15	Flow-through imaging cytometry for characterization of <i>Salmonella</i> subpopulations in alfalfa sprouts, a complex food system. <i>Biotechnology Journal</i> , 2009, 4, 880-887.	1.8	21
16	Investigating the control of <i>Listeria monocytogenes</i> on alternatively-cured frankfurters using natural antimicrobial ingredients or post-lethality interventions. <i>Meat Science</i> , 2014, 97, 568-574.	2.7	16
17	Improved DNA-FISH for cytometric detection of <i>Candida</i> spp. <i>Journal of Applied Microbiology</i> , 2011, 110, 881-892.	1.4	15
18	Evaluation of the Thin Agar Layer Method for the Recovery of Pressure-Injured and Heat-Injured <i>Listeria monocytogenes</i> . <i>Journal of Food Protection</i> , 2014, 77, 828-831.	0.8	14

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19	Rapid Identification of <i>Staphylococcus aureus</i> and Methicillin Resistance by Flow Cytometry Using a Peptide Nucleic Acid Probe. <i>Journal of Clinical Microbiology</i> , 2011, 49, 3383-3385.	1.8	13
20	Ozonation-Based Decolorization of Food Dyes for Recovery of Fruit Leather Wastes. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 8198-8206.	2.4	12
21	Investigating the Control of <i>Listeria monocytogenes</i> on a Ready-to-Eat Ham Product Using Natural Antimicrobial Ingredients and Postlethality Interventions. <i>Foodborne Pathogens and Disease</i> , 2014, 11, 462-467.	0.8	12
22	Combination of Adhesive-tape-based Sampling and Fluorescence <i>in situ</i> Hybridization for Rapid Detection of <i>Salmonella</i> on Fresh Produce. <i>Journal of Visualized Experiments</i> , 2010, , .	0.2	11
23	Design and Evaluation of Peptide Nucleic Acid Probes for Specific Identification of <i>Candida albicans</i> . <i>Journal of Clinical Microbiology</i> , 2015, 53, 511-521.	1.8	10
24	Isolation of Carotenoid Hyperproducing Mutants of <i>Xanthophyllomyces dendrorhous</i> (Phaffia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	0.4	9
25	Methods for Whole Cell Detection of Microorganisms. <i>ACS Symposium Series</i> , 2008, , 29-51.	0.5	8
26	Magnetic ionic liquids: interactions with bacterial cells, behavior in aqueous suspension, and broader applications. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1741-1755.	1.9	6
27	Long-Term Survival Phase Cells of <i>Salmonella</i> Typhimurium ATCC 14028 Have Significantly Greater Resistance to Ultraviolet Radiation in 0.85% Saline and Apple Juice. <i>Foodborne Pathogens and Disease</i> , 2018, 15, 538-543.	0.8	5
28	New Technologies for Imaging and Analysis of Individual Microbial Cells. <i>Principles and Practice</i> , 2007, , 313-343.	0.3	4
29	Effects of Different Nitrite Concentrations from a Vegetable Source with and without High Hydrostatic Pressure on the Recovery of <i>Listeria monocytogenes</i> on Ready-to-Eat Restructured Ham. <i>Journal of Food Protection</i> , 2014, 77, 781-787.	0.8	3
30	Advances in Foodborne Pathogen Analysis. <i>Foods</i> , 2020, 9, 1635.	1.9	3
31	4. <i>Microscopic Methods</i> . , 2015, , .		3
32	Rapid Screening of Natural Plant Extracts with Calcium Diacetate for Differential Effects Against Foodborne Pathogens and a Probiotic Bacterium. <i>Foodborne Pathogens and Disease</i> , 2017, 14, 719-727.	0.8	0
33	Flow cytometry for rapid detection of <i>Salmonella</i> spp. in seed sprouts. <i>ScienceOpen Research</i> , 2014, .	0.6	0
34	Wide-spectrum biomimetic antimicrobial systems. <i>ScienceOpen Research</i> , 2016, .	0.6	0
35	Sodium polyphosphate and polyethylenimine enhance the antimicrobial activities of plant essential oils. <i>ScienceOpen Research</i> , 2016, .	0.6	0