

Abani Kumar Pradhan

List of Publications by Year in descending order

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55
papers

1,557
citations

331670

21
h-index

330143

37
g-index

56
all docs

56
docs citations

56
times ranked

1807
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofilm in milking equipment on a dairy farm as a potential source of bulk tank milk contamination with <i>Listeria monocytogenes</i> . <i>Journal of Dairy Science</i> , 2010, 93, 2792-2802.	3.4	132
2	Prevalence and Risk Factors for <i>Toxoplasma gondii</i> Infection in Meat Animals and Meat Products Destined for Human Consumption. <i>Journal of Food Protection</i> , 2015, 78, 457-476.	1.7	129
3	Molecular Ecology of <i>Listeria monocytogenes</i> : Evidence for a Reservoir in Milking Equipment on a Dairy Farm. <i>Applied and Environmental Microbiology</i> , 2009, 75, 1315-1323.	3.1	73
4	A longitudinal study on the impact of Johne's disease status on milk production in individual cows. <i>Journal of Dairy Science</i> , 2009, 92, 2653-2661.	3.4	72
5	Quantitative Risk Assessment of Listeriosis-Associated Deaths Due to <i>Listeria monocytogenes</i> Contamination of Deli Meats Originating from Manufacture and Retail. <i>Journal of Food Protection</i> , 2010, 73, 620-630.	1.7	71
6	Quantitative Microbial Risk Assessment for <i>Escherichia coli</i> O157:H7 in Fresh-Cut Lettuce. <i>Journal of Food Protection</i> , 2017, 80, 302-311.	1.7	63
7	Quantitative Risk Assessment for <i>Listeria monocytogenes</i> in Selected Categories of Deli Meats: Impact of Lactate and Diacetate on Listeriosis Cases and Deaths. <i>Journal of Food Protection</i> , 2009, 72, 978-989.	1.7	60
8	Effect of Johne's disease status on reproduction and culling in dairy cattle. <i>Journal of Dairy Science</i> , 2010, 93, 3513-3524.	3.4	60
9	Dynamics of endemic infectious diseases of animal and human importance on three dairy herds in the northeastern United States. <i>Journal of Dairy Science</i> , 2009, 92, 1811-1825.	3.4	59
10	Molecular Epidemiology of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> in a Longitudinal Study of Three Dairy Herds. <i>Journal of Clinical Microbiology</i> , 2011, 49, 893-901.	3.9	57
11	Quantitative Risk Assessment of Listeriosis Due to Consumption of Raw Milk. <i>Journal of Food Protection</i> , 2011, 74, 1268-1281.	1.7	51
12	A Systematic Meta-Analysis of <i>Toxoplasma gondii</i> Prevalence in Food Animals in the United States. <i>Foodborne Pathogens and Disease</i> , 2016, 13, 109-118.	1.8	45
13	Environmental contamination with <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> in endemically infected dairy herds. <i>Preventive Veterinary Medicine</i> , 2011, 102, 1-9.	1.9	38
14	A modified Weibull model for growth and survival of <i>Listeria innocua</i> and <i>Salmonella</i> Typhimurium in chicken breasts during refrigerated and frozen storage. <i>Poultry Science</i> , 2012, 91, 1482-1488.	3.4	38
15	Development of growth and survival models for <i>Salmonella</i> and <i>Listeria monocytogenes</i> during non-isothermal time-temperature profiles in leafy greens. <i>Food Control</i> , 2017, 71, 32-41.	5.5	37
16	Increased In Vitro Adherence and On-Farm Persistence of Predominant and Persistent <i>Listeria monocytogenes</i> Strains in the Milking System. <i>Applied and Environmental Microbiology</i> , 2011, 77, 3676-3684.	3.1	33
17	Comparison of Public Health Impact of <i>Listeria monocytogenes</i> Product-to-Product and Environment-to-Product Contamination of Deli Meats at Retail. <i>Journal of Food Protection</i> , 2011, 74, 1860-1868.	1.7	31
18	Identifying and modeling meteorological risk factors associated with pre-harvest contamination of <i>Listeria</i> species in a mixed produce and dairy farm. <i>Food Research International</i> , 2017, 102, 355-363.	6.2	30

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19	Age-Associated Distribution of Antimicrobial-Resistant <i>Salmonella enterica</i> and <i>Escherichia coli</i> Isolated from Dairy Herds in Pennsylvania, 2013–2015. <i>Foodborne Pathogens and Disease</i> , 2019, 16, 60-67.	1.8	29
20	Transmission of Bacterial Zoonotic Pathogens between Pets and Humans: The Role of Pet Food. <i>Critical Reviews in Food Science and Nutrition</i> , 2016, 56, 364-418.	10.3	28
21	Qualitative Assessment for <i>Toxoplasma gondii</i> Exposure Risk Associated with Meat Products in the United States. <i>Journal of Food Protection</i> , 2015, 78, 2207-2219.	1.7	27
22	A predictive model for assessment of decontamination effects of lactic acid and chitosan used in combination on <i>Vibrio parahaemolyticus</i> in shrimps. <i>International Journal of Food Microbiology</i> , 2013, 167, 124-130.	4.7	21
23	Quantitative assessment of human and pet exposure to <i>Salmonella</i> associated with dry pet foods. <i>International Journal of Food Microbiology</i> , 2016, 216, 79-90.	4.7	21
24	Modeling the long-term kinetics of <i>Salmonella</i> survival on dry pet food. <i>Food Microbiology</i> , 2016, 58, 1-6.	4.2	20
25	Dynamics of <i>Escherichia coli</i> Virulence Factors in Dairy Herds and Farm Environments in a Longitudinal Study in the United States. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4477-4488.	3.1	19
26	Impact of the shedding level on transmission of persistent infections in <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> (MAP). <i>Veterinary Research</i> , 2016, 47, 38.	3.0	19
27	Distribution of <i>Toxoplasma gondii</i> Tissue Cysts in Shoulder Muscles of Naturally Infected Goats and Lambs. <i>Journal of Food Protection</i> , 2020, 83, 1396-1401.	1.7	19
28	Quantifying the risk of human <i>Toxoplasma gondii</i> infection due to consumption of fresh pork in the United States. <i>Food Control</i> , 2017, 73, 1210-1222.	5.5	17
29	Quantifying the Risk of Human <i>Toxoplasma gondii</i> Infection Due to Consumption of Domestically Produced Lamb in the United States. <i>Journal of Food Protection</i> , 2016, 79, 1181-1187.	1.7	16
30	A System Model for Understanding the Role of Animal Feces as a Route of Contamination of Leafy Greens before Harvest. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	15
31	Dynamic Predictive Model for Growth of <i>Bacillus cereus</i> from Spores in Cooked Beans. <i>Journal of Food Protection</i> , 2018, 81, 308-315.	1.7	15
32	Evaluation of meteorological factors associated with pre-harvest contamination risk of generic <i>Escherichia coli</i> in a mixed produce and dairy farm. <i>Food Control</i> , 2018, 85, 135-143.	5.5	15
33	Cost, quality, and safety: A nonlinear programming approach to optimize the temperature during supply chain of leafy greens. <i>LWT - Food Science and Technology</i> , 2016, 73, 412-418.	5.2	14
34	Prevalence and genetic characterization of <i>Toxoplasma gondii</i> in free-range chickens from grocery stores and farms in Maryland, Ohio and Massachusetts, USA. <i>Parasitology Research</i> , 2017, 116, 1591-1595.	1.6	14
35	Machine learning-based predictive modeling to identify genotypic traits associated with <i>Salmonella enterica</i> disease endpoints in isolates from ground chicken. <i>LWT - Food Science and Technology</i> , 2022, 154, 112701.	5.2	14
36	A Predictive Model for the Inactivation of <i>Listeria innocua</i> in Cooked Poultry Products during Postpackage Pasteurization. <i>Journal of Food Protection</i> , 2011, 74, 1261-1267.	1.7	13

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37	Predictive models for the effect of environmental factors on the abundance of <i>Vibrio parahaemolyticus</i> in oyster farms in Taiwan using extreme gradient boosting. <i>Food Control</i> , 2021, 130, 108353.	5.5	13
38	Pathogen Kinetics and Heat and Mass Transfer-Based Predictive Model for <i>Listeria innocua</i> in Irregular-Shaped Poultry Products during Thermal Processing. <i>Journal of Food Protection</i> , 2007, 70, 607-615.	1.7	12
39	Development of Dose-Response Models to Predict the Relationship for Human <i>Toxoplasma gondii</i> Infection Associated with Meat Consumption. <i>Risk Analysis</i> , 2016, 36, 926-938.	2.7	11
40	Quantitative microbial risk assessment for <i>Salmonella</i> : Inclusion of whole genome sequencing and genomic epidemiological studies, and advances in the bioinformatics pipeline. <i>Journal of Agriculture and Food Research</i> , 2020, 2, 100045.	2.5	11
41	A Machine Learning Model for Food Source Attribution of <i>Listeria monocytogenes</i> . <i>Pathogens</i> , 2022, 11, 691.	2.8	11
42	Exploring the predictive capability of advanced machine learning in identifying severe disease phenotype in <i>Salmonella enterica</i> . <i>Food Research International</i> , 2022, 151, 110817.	6.2	10
43	Prediction of <i>Escherichia coli</i> O157:H7, <i>Salmonella</i> , and <i>Listeria monocytogenes</i> Growth in Leafy Greens without Temperature Control. <i>Journal of Food Protection</i> , 2017, 80, 68-73.	1.7	9
44	Low prevalence of viable <i>Toxoplasma gondii</i> in fresh, unfrozen, American pasture-raised pork and lamb from retail meat stores in the United States. <i>Food Control</i> , 2020, 109, 106961.	5.5	8
45	Evaluation and meta-analysis of test accuracy of direct PCR and bioassay methods for detecting <i>Toxoplasma gondii</i> in meat samples. <i>LWT - Food Science and Technology</i> , 2020, 131, 109666.	5.2	8
46	Evaluating uncertainty and variability associated with <i>Toxoplasma gondii</i> survival during cooking and low temperature storage of fresh cut meats. <i>International Journal of Food Microbiology</i> , 2021, 341, 109031.	4.7	7
47	Ethical, legal, social, and economic (ELSE) implications of artificial intelligence at a global level: a scientometrics approach. <i>AI and Ethics</i> , 2022, 2, 667-682.	6.8	7
48	Modeling the effects of infection status and hygiene practices on <i>Mycobacterium avium</i> subspecies paratuberculosis contamination in bulk tank milk. <i>Food Control</i> , 2019, 104, 367-376.	5.5	6
49	Elucidating Transmission Patterns of Endemic <i>Mycobacterium avium</i> subsp. paratuberculosis Using Molecular Epidemiology. <i>Veterinary Sciences</i> , 2019, 6, 32.	1.7	6
50	Prediction of <i>Listeria innocua</i> survival in fully cooked chicken breast products during postpackage thermal treatment. <i>Poultry Science</i> , 2013, 92, 827-835.	3.4	4
51	Predictive Microbiology and Microbial Risk Assessment. , 2019, , 989-1006.		4
52	Evaluation of public health risk for <i>Escherichia coli</i> O157:H7 in cilantro. <i>Food Research International</i> , 2020, 136, 109545.	6.2	4
53	Effect of cultivars and irrigation waters on persistence of indicator bacteria on lettuce grown in high tunnel. <i>Journal of Food Safety</i> , 2020, 40, e12795.	2.3	4
54	Foodborne Disease Outbreaks Associated With Organic Foods: Animal and Plant Products. , 2019, , 135-150.		2

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55	Development of a novel machine learning-based weighted modeling approach to incorporate <i>Salmonella enterica</i> heterogeneity on a genetic scale in a dose-response modeling framework. Risk Analysis, 2022, , .	2.7	1