

Renata Ivanek

List of Publications by Year in descending order

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85
papers

2,388
citations

172457

29
h-index

233421

45
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88
all docs

88
docs citations

88
times ranked

2540
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk Factors for Microbial Contamination in Fruits and Vegetables at the Preharvest Level: A Systematic Review. <i>Journal of Food Protection</i> , 2012, 75, 2055-2081.	1.7	163
2	Effect of a multi-species synbiotic formulation on fecal bacterial microbiota of healthy cats and dogs as evaluated by pyrosequencing. <i>FEMS Microbiology Ecology</i> , 2011, 78, 542-554.	2.7	116
3	<i>Listeria monocytogenes</i> in Multiple Habitats and Host Populations: Review of Available Data for Mathematical Modeling. <i>Foodborne Pathogens and Disease</i> , 2006, 3, 319-336.	1.8	105
4	Reproduction numbers for infections with free-living pathogens growing in the environment. <i>Journal of Biological Dynamics</i> , 2012, 6, 923-940.	1.7	96
5	Generic <i>Escherichia coli</i> Contamination of Spinach at the Preharvest Stage: Effects of Farm Management and Environmental Factors. <i>Applied and Environmental Microbiology</i> , 2013, 79, 4347-4358.	3.1	93
6	Temperature-Dependent Expression of <i>Listeria monocytogenes</i> Internalin and Internalin-Like Genes Suggests Functional Diversity of These Proteins among the <i>Listeriae</i> . <i>Applied and Environmental Microbiology</i> , 2007, 73, 2806-2814.	3.1	72
7	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
8	<i>Listeria monocytogenes</i> fecal shedding in dairy cattle shows high levels of day-to-day variation and includes outbreaks and sporadic cases of shedding of specific <i>L. monocytogenes</i> subtypes. <i>Preventive Veterinary Medicine</i> , 2007, 80, 287-305.	1.9	68
9	The Cost and Benefit of <i>Listeria Monocytogenes</i> Food Safety Measures. <i>Critical Reviews in Food Science and Nutrition</i> , 2005, 44, 513-523.	10.3	66
10	Estimating the Non-Monetary Burden of Neurocysticercosis in Mexico. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1521.	3.0	61
11	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
12	Complex Interactions Between Weather, and Microbial and Physicochemical Water Quality Impact the Likelihood of Detecting Foodborne Pathogens in Agricultural Water. <i>Frontiers in Microbiology</i> , 2020, 11, 134.	3.5	57
13	Assessment of microbial risk factors and impact of meteorological conditions during production of baby spinach in the Southeast of Spain. <i>Food Microbiology</i> , 2015, 49, 173-181.	4.2	56
14	Modeling of Spatially Referenced Environmental and Meteorological Factors Influencing the Probability of <i>Listeria</i> Species Isolation from Natural Environments. <i>Applied and Environmental Microbiology</i> , 2009, 75, 5893-5909.	3.1	53
15	Modeling the effect of seasonal variation in ambient temperature on the transmission dynamics of a pathogen with a free-living stage: Example of <i>Escherichia coli</i> O157:H7 in a dairy herd. <i>Preventive Veterinary Medicine</i> , 2011, 102, 10-21.	1.9	45
16	New York State dairy farmers' perceptions of antibiotic use and resistance: A qualitative interview study. <i>PLoS ONE</i> , 2020, 15, e0232937.	2.5	42
17	Modeling On-Farm <i>Escherichia coli</i> O157:H7 Population Dynamics. <i>Foodborne Pathogens and Disease</i> , 2009, 6, 461-470.	1.8	39
18	Correlation between <i>E. coli</i> levels and the presence of foodborne pathogens in surface irrigation water: Establishment of a sampling program. <i>Water Research</i> , 2018, 128, 226-233.	11.3	39

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19	Multifactorial Effects of Ambient Temperature, Precipitation, Farm Management, and Environmental Factors Determine the Level of Generic <i>Escherichia coli</i> Contamination on Preharvested Spinach. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2635-2650.	3.1	38
20	Estimating the probability of an extinction or major outbreak for an environmentally transmitted infectious disease. <i>Journal of Biological Dynamics</i> , 2015, 9, 128-155.	1.7	37
21	Survival of <i>Escherichia coli</i> on Lettuce under Field Conditions Encountered in the Northeastern United States. <i>Journal of Food Protection</i> , 2017, 80, 1214-1221.	1.7	37
22	Design Elements of <i>Listeria</i> Environmental Monitoring Programs in Food Processing Facilities: A Scoping Review of Research and Guidance Materials. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2018, 17, 1156-1171.	11.7	35
23	Farm Management, Environment, and Weather Factors Jointly Affect the Probability of Spinach Contamination by Generic <i>Escherichia coli</i> at the Preharvest Stage. <i>Applied and Environmental Microbiology</i> , 2014, 80, 2504-2515.	3.1	34
24	Differential Regulation of <i>Listeria monocytogenes</i> Internalin and Internalin-Like Genes by σ^B and PrfA as Revealed by Subgenomic Microarray Analyses. <i>Foodborne Pathogens and Disease</i> , 2008, 5, 417-435.	1.8	32
25	Phylogenetic characterization of <i>Escherichia coli</i> O157:H7 based on IS629 distribution and Shiga toxin genotype. <i>Microbiology (United Kingdom)</i> , 2014, 160, 502-513.	1.8	32
26	Daily Variability of <i>Listeria</i> Contamination Patterns in a Cold-Smoked Salmon Processing Operation. <i>Journal of Food Protection</i> , 2006, 69, 2123-2133.	1.7	31
27	The effect of heterogeneous infectious period and contagiousness on the dynamics of <i>Salmonella</i> transmission in dairy cattle. <i>Epidemiology and Infection</i> , 2008, 136, 1496-1510.	2.1	31
28	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
29	Interobserver Agreement Using Histological Scoring of the Canine Liver. <i>Journal of Veterinary Internal Medicine</i> , 2017, 31, 778-783.	1.6	31
30	A Mathematical Model for the Transmission of <i>Salmonella</i> Typhimurium within a Grower-Finisher Pig Herd in Great Britain. <i>Journal of Food Protection</i> , 2004, 67, 2403-2409.	1.7	30
31	Mathematical Model of <i>Listeria monocytogenes</i> Cross-Contamination in a Fish Processing Plant. <i>Journal of Food Protection</i> , 2004, 67, 2688-2697.	1.7	30
32	Factors that contribute to persistent <i>Listeria</i> in food processing facilities and relevant interventions: A rapid review. <i>Food Control</i> , 2022, 133, 108579.	5.5	30
33	Quality of Life in Patients with Neurocysticercosis in Mexico. <i>American Journal of Tropical Medicine and Hygiene</i> , 2011, 84, 782-786.	1.4	28
34	Evolution of the Stx2-Encoding Prophage in Persistent Bovine <i>Escherichia coli</i> O157:H7 Strains. <i>Applied and Environmental Microbiology</i> , 2013, 79, 1563-1572.	3.1	28
35	EnABLE: An agent-based model to understand <i>Listeria</i> dynamics in food processing facilities. <i>Scientific Reports</i> , 2019, 9, 495.	3.3	27
36	Public perceptions of antibiotic use on dairy farms in the United States. <i>Journal of Dairy Science</i> , 2021, 104, 2807-2821.	3.4	27

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37	Model or meal? Farm animal populations as models for infectious diseases of humans. <i>Nature Reviews Microbiology</i> , 2010, 8, 139-148.	28.6	25
38	A high-throughput open-array qPCR gene panel to identify, virulotype, and subtype O157 and non-O157 enterohemorrhagic <i>Escherichia coli</i> . <i>Molecular and Cellular Probes</i> , 2011, 25, 222-230.	2.1	25
39	<i>Salmonella</i> Fecal Shedding and Immune Responses are Dose- and Serotype- Dependent in Pigs. <i>PLoS ONE</i> , 2012, 7, e34660.	2.5	24
40	Spatio-temporal epidemiology of <i>Tritrichomonas foetus</i> infection in Texas bulls based on state-wide diagnostic laboratory data. <i>Veterinary Parasitology</i> , 2012, 186, 450-455.	1.8	22
41	Identifying Areas of High Risk of Human Exposure to <i>Coccidioidomycosis</i> in Texas Using Serology Data from Dogs. <i>Zoonoses and Public Health</i> , 2013, 60, 174-181.	2.2	21
42	The prevalence of <i>Escherichia coli</i> O157:H7 fecal shedding in feedlot pens is affected by the water-to-cattle ratio: A randomized controlled trial. <i>PLoS ONE</i> , 2018, 13, e0192149.	2.5	20
43	Assessment of the Variation Associated with Repeated Measurement of Gastrointestinal Transit Times and Assessment of the Effect of Oral Ranitidine on Gastrointestinal Transit Times Using a Wireless Motility Capsule System in Dogs. <i>Veterinary Medicine International</i> , 2012, 2012, 1-8.	1.5	19
44	Survey of perceptions and attitudes of an international group of veterinarians regarding antibiotic use and resistance on dairy cattle farms. <i>Preventive Veterinary Medicine</i> , 2021, 188, 105253.	1.9	19
45	Markov chain approach to analyze the dynamics of pathogen fecal shedding—Example of <i>Listeria monocytogenes</i> shedding in a herd of dairy cattle. <i>Journal of Theoretical Biology</i> , 2007, 245, 44-58.	1.7	18
46	The risk and control of <i>Salmonella</i> outbreaks in calf-raising operations: a mathematical modeling approach. <i>Veterinary Research</i> , 2008, 39, 61.	3.0	17
47	Differences in Colonization and Shedding Patterns after Oral Challenge of Cattle with Three <i>Escherichia coli</i> O157:H7 Strains. <i>Applied and Environmental Microbiology</i> , 2012, 78, 8045-8055.	3.1	17
48	Effect of Weather on the Die-Off of <i>Escherichia coli</i> and Attenuated <i>Salmonella enterica</i> Serovar Typhimurium on Preharvest Leafy Greens following Irrigation with Contaminated Water. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	17
49	Effectiveness of environmental decontamination as an infection control measure. <i>Epidemiology and Infection</i> , 2012, 140, 542-553.	2.1	16
50	A stochastic model for transmission, extinction and outbreak of <i>Escherichia coli</i> O157:H7 in cattle as affected by ambient temperature and cleaning practices. <i>Journal of Mathematical Biology</i> , 2014, 69, 501-532.	1.9	16
51	An Assessment of Listeriosis Risk Associated with a Contaminated Production Lot of Frozen Vegetables Consumed Under Alternative Consumer Handling Scenarios. <i>Journal of Food Protection</i> , 2019, 82, 2174-2193.	1.7	13
52	New York State dairy veterinarians' perceptions of antibiotic use and resistance: A qualitative interview study. <i>Preventive Veterinary Medicine</i> , 2021, 194, 105428.	1.9	13
53	The strain-specific dynamics of <i>Escherichia coli</i> O157:H7 faecal shedding in cattle post inoculation. <i>Journal of Biological Dynamics</i> , 2012, 6, 1052-1066.	1.7	12
54	Re-emergence of Pigeon Fever (<i>Corynebacterium pseudotuberculosis</i>) Infection in Texas Horses: Epidemiologic Investigation of Laboratory-Diagnosed Cases. <i>Journal of Equine Veterinary Science</i> , 2014, 34, 281-287.	0.9	12

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55	Cross-sectional Serosurvey of Avian Influenza Antibodies Presence in Domestic Ducks of Kathmandu, Nepal. <i>Zoonoses and Public Health</i> , 2014, 61, 442-448.	2.2	12
56	Understanding the role of cleaning in the control of <i>Salmonella Typhimurium</i> in grower-finisher pigs: a modelling approach. <i>Epidemiology and Infection</i> , 2014, 142, 1034-1049.	2.1	12
57	Transmission of <i>Escherichia coli</i> O157:H7 in cattle is influenced by the level of environmental contamination. <i>Epidemiology and Infection</i> , 2015, 143, 274-287.	2.1	12
58	Formation of <i>Escherichia coli</i> O157:H7 Persister Cells in the Lettuce Phyllosphere and Application of Differential Equation Models To Predict Their Prevalence on Lettuce Plants in the Field. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	12
59	Consumer perceptions of antimicrobial use in animal husbandry: A scoping review. <i>PLoS ONE</i> , 2021, 16, e0261010.	2.5	12
60	Putative precipitating factors for hepatic encephalopathy in dogs: 118 cases (1991-2014). <i>Journal of the American Veterinary Medical Association</i> , 2015, 247, 176-183.	0.5	11
61	Development of a LAMP assay for rapid detection of different intimin variants of attaching and effacing microbial pathogens. <i>Journal of Medical Microbiology</i> , 2013, 62, 1665-1672.	1.8	10
62	Exploratory spatial analysis of Lyme disease in Texas - what can we learn from the reported cases?. <i>BMC Public Health</i> , 2015, 15, 924.	2.9	10
63	Foal-Level Risk Factors Associated With Development of <i>Rhodococcus equi</i> Pneumonia at a Quarter Horse Breeding Farm. <i>Journal of Equine Veterinary Science</i> , 2019, 72, 89-96.	0.9	9
64	Interacting Effects of Newcastle Disease Transmission and Illegal Trade on a Wild Population of White-Winged Parakeets in Peru: A Modeling Approach. <i>PLoS ONE</i> , 2016, 11, e0147517.	2.5	8
65	Culicoides specific IgG3/5 antibodies predicted Culicoides hypersensitivity in a group imported Icelandic horses. <i>BMC Veterinary Research</i> , 2020, 16, 283.	1.9	8
66	Cost-benefit analysis of avian influenza control in Nepal. <i>OIE Revue Scientifique Et Technique</i> , 2015, 34, 813-827.	1.2	8
67	Environmental surveillance and adverse neonatal health outcomes in foals born near unconventional natural gas development activity. <i>Science of the Total Environment</i> , 2020, 731, 138497.	8.0	7
68	Editorial perspective: Viruses in wastewater: Wading into the knowns and unknowns. <i>Environmental Research</i> , 2021, 196, 110255.	7.5	7
69	In Silico Models for Design and Optimization of Science-Based <i>Listeria</i> Environmental Monitoring Programs in Fresh-Cut Produce Facilities. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0079921.	3.1	7
70	Using agent-based modeling to compare corrective actions for <i>Listeria</i> contamination in produce packinghouses. <i>PLoS ONE</i> , 2022, 17, e0265251.	2.5	6
71	Fecal shedding of, antimicrobial resistance in, and serologic response to <i>Salmonella Typhimurium</i> in dairy calves. <i>Journal of the American Veterinary Medical Association</i> , 2009, 235, 739-748.	0.5	5
72	From the bench to modeling - RO at the interface between empirical and theoretical approaches in epidemiology of environmentally transmitted infectious diseases. <i>Preventive Veterinary Medicine</i> , 2015, 118, 196-206.	1.9	5

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73	How does public perception of antibiotic use on dairy farms contribute to self-reported purchasing of organic?. <i>Journal of Food Science</i> , 2021, 86, 2045-2060.	3.1	5
74	Public health impact of foodborne exposure to naturally occurring virulence-attenuated <i>Listeria monocytogenes</i> : inference from mouse and mathematical models. <i>Interface Focus</i> , 2020, 10, 20190046.	3.0	4
75	Comparison of different biomass methodologies to adjust sales data on veterinary antimicrobials in the USA. <i>Journal of Antimicrobial Chemotherapy</i> , 2022, 77, 827-842.	3.0	4
76	Extreme value theory in analysis of differential expression in microarrays where either only up- or down-regulated genes are relevant or expected. <i>Genetical Research</i> , 2008, 90, 347-361.	0.9	3
77	How University Researchers Can Contribute to Farm-to-Table Risk Assessments: <i>Listeria monocytogenes</i> as an Example. <i>Foodborne Pathogens and Disease</i> , 2007, 4, 527-537.	1.8	2
78	Gene markers of generic <i>Escherichia coli</i> associated with colonization and persistence of <i>Escherichia coli</i> O157 in cattle. <i>Preventive Veterinary Medicine</i> , 2014, 117, 140-148.	1.9	2
79	Optimal levels of inputs to control <i>Listeria monocytogenes</i> contamination at a smoked fish plant. <i>Agribusiness</i> , 2007, 23, 229-244.	3.4	1
80	Understanding the effects of intermittent shedding on the transmission of infectious diseases: example of salmonellosis in pigs. <i>Journal of Biological Dynamics</i> , 2017, 11, 436-460.	1.7	1
81	Geographical Information Systems: A Tool to Map and Analyze Disease Spread. <i>Online Journal of Public Health Informatics</i> , 2013, 5, .	0.7	1
82	The distribution of drinking water-to-cattle ratios in the summer across four feedlots in the Texas High Plains. <i>Agricultural Sciences</i> , 2013, 04, 282-286.	0.3	1
83	Growth and survival of aerobic and Gram-negative bacteria on fresh spinach in a Chinese supply chain from harvest through distribution and refrigerated storage. <i>International Journal of Food Microbiology</i> , 2022, 370, 109639.	4.7	1
84	The effect of neonatal dysphagia on subsequent racing performance in Standardbred horses. <i>Equine Veterinary Journal</i> , 2021, 53, 481-487.	1.7	0
85	Predictors of Willingness to Reduce Carbon Footprint and Effects of Survey Question Phrasing. <i>Journal of Student Research</i> , 2020, 9, .	0.1	0