Maurice E Pitesky

List of Publications by Year
in descending order

54 papers	1,388 citations	394421 19 h-index	345221 36 g-index
55 all docs	55 docs citations	55 times ranked	1500 citing authors

#	Article	IF	Citations
1	Multiplexed Liquid Arrays for Simultaneous Detection of Simulants of Biological Warfare Agents. Analytical Chemistry, 2003, 75, 1924-1930.	6.5	154
2	Reagentless Detection and Classification of Individual Bioaerosol Particles in Seconds. Analytical Chemistry, 2004, 76, 373-378.	6.5	150
3	Clearing the Air. Advances in Agronomy, 2009, 103, 1-40.	5.2	108
4	Backyard chickens in the United States: A survey of flock owners. Poultry Science, 2014, 93, 2920-2931.	3.4	80
5	Laser Power Dependence of Mass Spectral Signatures from Individual Bacterial Spores in Bioaerosol Mass Spectrometry. Analytical Chemistry, 2003, 75, 5480-5487.	6.5	72
6	Bioaerosol Mass Spectrometry for Rapid Detection of Individual Airborne Mycobacterium tuberculosis H37Ra Particles. Applied and Environmental Microbiology, 2005, 71, 6086-6095.	3.1	68
7	Understanding Antimicrobial Resistance (AMR) Profiles of Salmonella Biofilm and Planktonic Bacteria Challenged with Disinfectants Commonly Used During Poultry Processing. Foods, 2019, 8, 275.	4.3	51
8	Stable Isotope Labeling of Entire Bacillus atrophaeus Spores and Vegetative Cells Using Bioaerosol Mass Spectrometry. Analytical Chemistry, 2005, 77, 1081-1087.	6.5	49
9	Comprehensive Assignment of Mass Spectral Signatures from IndividualBacillusatrophaeusSpores in Matrix-Free Laser Desorption/Ionization Bioaerosol Mass Spectrometry. Analytical Chemistry, 2005, 77, 3315-3323.	6.5	49
10	Cultivation of black soldier fly larvae on almond byproducts: impacts of aeration and moisture on larvae growth and composition. Journal of the Science of Food and Agriculture, 2018, 98, 5893-5900.	3.5	48
11	Managing high fiber food waste for the cultivation of black soldier fly larvae. Npj Science of Food, 2019, 3, 15.	5.5	44
12	Desorption/Ionization Fluence Thresholds and Improved Mass Spectral Consistency Measured Using a Flattop Laser Profile in the Bioaerosol Mass Spectrometry of SingleBacillusEndospores. Analytical Chemistry, 2005, 77, 7448-7454.	6.5	43
13	Biosecurity Assessment and Seroprevalence of Respiratory Diseases in Backyard Poultry Flocks Located Close to and Far from Commercial Premises. Avian Diseases, 2018, 62, 1-5.	1.0	42
14	Bacillus atrophaeusOuter Spore Coat Assembly and Ultrastructure. Langmuir, 2005, 21, 10710-10716.	3.5	37
15	Susceptibility of Salmonella Biofilm and Planktonic Bacteria to Common Disinfectant Agents Used in Poultry Processing. Journal of Food Protection, 2017, 80, 1072-1079.	1.7	34
16	Toward understanding the ionization of biomarkers from micrometer particles by bio-aerosol mass spectrometry. Journal of the American Society for Mass Spectrometry, 2004, 15, 900-909.	2.8	33
17	Following the biochemical and morphological changes of Bacillus atrophaeus cells during the sporulation process using Bioaerosol Mass Spectrometry. Journal of Microbiological Methods, 2006, 67, 56-63.	1.6	28
18	Drug residues in poultry meat: A literature review of commonly used veterinary antibacterials and anthelmintics used in poultry. Journal of Veterinary Pharmacology and Therapeutics, 2018, 41, 761-789.	1.3	28

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19	Surveillance of Salmonella Enteritidis in Layer Houses: A Retrospective Comparison of the Food and Drug Administration's Egg Safety Rule (2010â€“2011) and the California Egg Quality Assurance Program (2007â€“2011). Avian Diseases, 2013, 57, 51-56.	1.0	20
20	Overview of Quantitative Methodologies to Understand Antimicrobial Resistance via Minimum Inhibitory Concentration. Animals, 2020, 10, 1405.	2.3	19
21	Marek's Disease in Backyard Chickens, A Study of Pathologic Findings and Viral Loads in Tumorous and Nontumorous Birds. Avian Diseases, 2016, 60, 826-836.	1.0	16
22	Descriptive survey and Salmonella surveillance of pastured poultry layer farms in California. Poultry Science, 2017, 96, 957-965.	3.4	16
23	Operational challenges and opportunities in pastured poultry operations in the United States. Poultry Science, 2017, 96, 1648-1650.	3.4	13
24	Thermal Inactivation of Escherichia coli and Salmonella Typhimurium in Poultry Carcass and Litter at Thermophilic Temperatures. Journal of Applied Poultry Research, 2019, 28, 307-317.	1.2	13
25	Pathways for avian influenza virus spread: GPS reveals wild waterfowl in commercial livestock facilities and connectivity with the natural wetland landscape. Transboundary and Emerging Diseases, 2022, 69, 2898-2912.	3.0	12
26	A cooperative approach to animal disease response activities: Analytical hierarchy process (AHP) and vvIBD in California poultry. Preventive Veterinary Medicine, 2015, 121, 123-131.	1.9	11
27	Characterization of an Outbreak of Infectious Coryza (Avibacterium paragallinarum) in Commercial Chickens in Central California. Avian Diseases, 2019, 63, 486.	1.0	11
28	Single-Particle Aerosol Mass Spectrometry (SPAMS) for High-Throughput and Rapid Analysis of Biological Aerosols and Single Cells. ACS Symposium Series, 2011, , 161-196.	0.5	10
29	Adaptation of Agricultural and Food Systems to a Changing Climate and Increasing Urbanization. Current Sustainable/Renewable Energy Reports, 2014, 1, 43-50.	2.6	10
30	Variability Assessment of California Infectious Bronchitis Virus Variants. Avian Diseases, 2016, 60, 424-429.	1.0	10
31	Historical, Spatial, Temporal, and Time-Space Epidemiology of Very Virulent Infectious Bursal Disease in California: A Retrospective Study 2008â€“2011. Avian Diseases, 2013, 57, 76-82.	1.0	9
32	Spatial and Temporal Epidemiology of Infectious Laryngotracheitis in Central California: 2000â€“2012. Avian Diseases, 2014, 58, 558-565.	1.0	9
33	Transcriptome Analysis of Salmonella Heidelberg after Exposure to Cetylpyridinium Chloride, Acidified Calcium Hypochlorite, and Peroxyacetic Acid. Journal of Food Protection, 2019, 82, 109-119.	1.7	9
34	Assessing Salmonella typhimurium persistence in poultry carcasses under multiple thermal conditions consistent with composting and wet rendering. Poultry Science, 2016, 95, 705-714.	3.4	8
35	Antimicrobial Resistance Profiles of Non-typhoidal Salmonella From Retail Meat Products in California, 2018. Frontiers in Microbiology, 2022, 13, 835699.	3.5	8
36	Validation of Single and Pooled Manure Drag Swabs for the Detection ofSalmonellaSerovar Enteritidis in Commercial Poultry Houses. Avian Diseases, 2015, 59, 548-553.	1.0	7

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37	Non-DNA Methods for Biological Signatures. , 2005, , 251-294.		6
38	A Serosurvey of Greater Sage-Grouse (Centrocercus urophasianus) in Nevada, USA. Journal of Wildlife Diseases, 2017, 53, 136-139.	0.8	6
39	Using Multinomial and Space-Time Permutation Models to Understand the Epidemiology of Infectious Bronchitis in California Between 2008 and 2012. Avian Diseases, 2018, 62, 226-232.	1.0	6
40	Gastrointestinal impactions in backyard poultry. Journal of Veterinary Diagnostic Investigation, 2019, 31, 368-370.	1.1	6
41	Improving Biosecurity Procedures to Minimize the Risk of Spreading Pathogenic Infections Agents After Carcass Recycling. Frontiers in Microbiology, 2020, 11, 623.	3.5	6
42	A comparison of amplification methods to detect Avian Influenza viruses in California wetlands targeted via remote sensing of waterfowl. Transboundary and Emerging Diseases, 2021, 68, 98-109.	3.0	6
43	Data challenges and practical aspects of machine learning-based statistical methods for the analyses of poultry data to improve food safety and production efficiency. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , .	1.0	5
44	Serologic Surveillance of Wild and Pen-reared Ring-necked Pheasants (Phasianus colchicus) as a Method of Understanding Disease Reservoirs. Journal of Wildlife Diseases, 2018, 54, 414-418.	0.8	3
45	Health surveillance of a potential bridge host: Pathogen exposure risks posed to avian populations augmented with captiveâ€bred pheasants. Transboundary and Emerging Diseases, 2022, 69, 1095-1107.	3.0	3
46	Assessing Backyard Poultry versus Small Animal Knowledge of Veterinary Students regarding Husbandry, Prescription Drug Use, and Antimicrobial Resistance. Journal of Veterinary Medical Education, 2022, 49, 531-536.	0.6	3
47	Evaluation of protection induced by Riemerella anatipestifer-E. coli O78 bacterin in white pekin ducks. Journal of Applied Poultry Research, 2016, 25, 232-238.	1.2	2
48	Feeding and lighting practices on small-scale extensive pastured poultry commercial farms in the United States. Poultry Science, 2019, 98, 785-788.	3.4	2
49	Web crawling of social media and related web platforms to analyze backyard poultry owners responses to the 2018â€“2020 Newcastle Disease (ND) outbreak in Southern California. Transboundary and Emerging Diseases, 2022, 69, 2963-2970.	3.0	2
50	Using social network analysis to characterize the collaboration network of backyard poultry trainers in ackCalifornia. Preventive Veterinary Medicine, 2018, 158, 129-136.	1.9	1
51	Using the California Waterfowl Tracker to Assess Proximity of Waterfowl to Commercial Poultry in the Central Valley of California. Avian Diseases, 2021, 65, 483-492.	1.0	1
52	Assessing a pilot co-operative-based workshop-subsidy model toward improving small-scale chicken production in peri-urban Nepal. Translational Animal Science, 2022, 6, .	1.1	1
53	A retrospective study to identify concomitant pathogens in Mycoplasma gallisepticum positive commercial turkeys and the development of a predictive model of Mycoplasma gallisepticum serologic status in California (2008â€“2019). Journal of Applied Poultry Research, 2021, 30, 100177.	1.2	0
54	Regional effects of climate change on California animal agriculture and options for farmers to respond through husbandry adaptation and greenhouse gas mitigation.. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , 1-8.	1.0	0