

John P Brooks

List of Publications by Year in descending order

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95
papers

1,917
citations

218677

26
h-index

302126

39
g-index

96
all docs

96
docs citations

96
times ranked

2034
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibiotic Resistant Bacteria in Municipal Wastes: Is There Reason for Concern?. <i>Environmental Science & Technology</i> , 2018, 52, 3949-3959.	10.0	110
2	Microbial ecology, bacterial pathogens, and antibiotic resistant genes in swine manure wastewater as influenced by three swine management systems. <i>Water Research</i> , 2014, 57, 96-103.	11.3	102
3	A national study on the residential impact of biological aerosols from the land application of biosolids. <i>Journal of Applied Microbiology</i> , 2005, 99, 310-322.	3.1	90
4	Occurrence of antibiotic-resistant bacteria and endotoxin associated with the land application of biosolids. <i>Canadian Journal of Microbiology</i> , 2007, 53, 616-622.	1.7	80
5	Estimation of bioaerosol risk of infection to residents adjacent to a land applied biosolids site using an empirically derived transport model. <i>Journal of Applied Microbiology</i> , 2005, 98, 397-405.	3.1	77
6	Land Application of Manure and Class B Biosolids: An Occupational and Public Quantitative Microbial Risk Assessment. <i>Journal of Environmental Quality</i> , 2012, 41, 2009-2023.	2.0	65
7	Microbial and antibiotic resistant constituents associated with biological aerosols and poultry litter within a commercial poultry house. <i>Science of the Total Environment</i> , 2010, 408, 4770-4777.	8.0	64
8	Evaluation of anammox biocathode in microbial desalination and wastewater treatment. <i>Chemical Engineering Journal</i> , 2018, 342, 410-419.	12.7	62
9	Pathogens in Biosolids. <i>Advances in Agronomy</i> , 2006, 90, 1-41.	5.2	56
10	Bacterial populations within copper mine tailings: long-term effects of amendment with Class A biosolids. <i>Journal of Applied Microbiology</i> , 2012, 113, 569-577.	3.1	46
11	Rainfall Simulation in Greenhouse Microcosms to Assess Bacterial-Associated Runoff from Land-Applied Poultry Litter. <i>Journal of Environmental Quality</i> , 2009, 38, 218-229.	2.0	45
12	Bioaerosol Emission Rate and Plume Characteristics during Land Application of Liquid Class B Biosolids. <i>Environmental Science & Technology</i> , 2005, 39, 1584-1590.	10.0	39
13	Estimated Occupational Risk from Bioaerosols Generated during Land Application of Class B Biosolids. <i>Journal of Environmental Quality</i> , 2008, 37, 2311-2321.	2.0	38
14	Enhancing Management of Fall-Applied Poultry Litter with Cover Crop and Subsurface Band Placement in No-Till Cotton. <i>Agronomy Journal</i> , 2015, 107, 449-458.	1.8	38
15	Long-Term Effects of Land Application of Class B Biosolids on the Soil Microbial Populations, Pathogens, and Activity. <i>Journal of Environmental Quality</i> , 2010, 39, 402-408.	2.0	34
16	Bioelectricity production in photosynthetic microbial desalination cells under different flow configurations. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 58, 131-139.	5.8	34
17	Increased Antimicrobial and Multidrug Resistance Downstream of Wastewater Treatment Plants in an Urban Watershed. <i>Frontiers in Microbiology</i> , 2021, 12, 657353.	3.5	34
18	Pathogens and Indicators in United States Class B Biosolids: National and Historic Distributions. <i>Journal of Environmental Quality</i> , 2010, 39, 2185-2190.	2.0	32

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19	Age Chronosequence Effects on Restoration Quality of Reclaimed Coal Mine Soils in Mississippi Agroecosystems. <i>Soil Science</i> , 2013, 178, 335-343.	0.9	32
20	Characterization of Selected Nutrients and Bacteria from Anaerobic Swine Manure Lagoons on Sow, Nursery, and Finisher Farms in the Mid-South USA. <i>Journal of Environmental Quality</i> , 2009, 38, 2422-2430.	2.0	31
21	The measurement of aerosolized endotoxin from land application of Class B biosolids in Southeast Arizona. <i>Canadian Journal of Microbiology</i> , 2006, 52, 150-156.	1.7	30
22	Sustainability of Land Application of Class B Biosolids. <i>Journal of Environmental Quality</i> , 2008, 37, S58-67.	2.0	30
23	Temporal flux and spatial dynamics of nutrients, fecal indicators, and zoonotic pathogens in anaerobic swine manure lagoon water. <i>Water Research</i> , 2012, 46, 4949-4960.	11.3	30
24	Salmonella enterica Serovar Kentucky Flagella Are Required for Broiler Skin Adhesion and Caco-2 Cell Invasion. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	30
25	Removal of Antibiotic Resistance Genes at Two Conventional Wastewater Treatment Plants of Louisiana, USA. <i>Water (Switzerland)</i> , 2020, 12, 1729.	2.7	29
26	Investigation of denitrifying microbial communities within an agricultural drainage system fitted with low-grade weirs. <i>Water Research</i> , 2015, 87, 193-201.	11.3	27
27	Environmental risk of chlorine-controlled clogging in drip irrigation system using reclaimed water: the perspective of soil health. <i>Journal of Cleaner Production</i> , 2019, 232, 1452-1464.	9.3	27
28	Removal of fecal indicator bacteria and antibiotic resistant genes in constructed wetlands. <i>Environmental Science and Pollution Research</i> , 2019, 26, 10188-10197.	5.3	27
29	Evidence for the Absence of <i>Staphylococcus aureus</i> in Land Applied Biosolids. <i>Environmental Science & Technology</i> , 2003, 37, 4027-4030.	10.0	24
30	Spatial Contrasts of Seasonal and Intraflock Broiler Litter Trace Gas Emissions, Physical and Chemical Properties. <i>Journal of Environmental Quality</i> , 2011, 40, 176-187.	2.0	24
31	Exposure and risk assessment of Salmonella in recycled residuals. <i>Water Science and Technology</i> , 2008, 57, 1061-1065.	2.5	22
32	Cultivation and qPCR Detection of Pathogenic and Antibiotic-Resistant Bacterial Establishment in Naive Broiler Houses. <i>Journal of Environmental Quality</i> , 2016, 45, 958-966.	2.0	22
33	Decay rates of zoonotic pathogens and viral surrogates in soils amended with biosolids and manures and comparison of qPCR and culture derived rates. <i>Science of the Total Environment</i> , 2016, 573, 671-679.	8.0	22
34	Low external input sustainable agriculture: Winter flooding in rice fields increases bird use, fecal matter and soil health, reducing fertilizer requirements. <i>Agriculture, Ecosystems and Environment</i> , 2020, 300, 106962.	5.3	21
35	Antibiotic Resistant Bacterial Profiles of Anaerobic Swine Lagoon Effluent. <i>Journal of Environmental Quality</i> , 2009, 38, 2431-2437.	2.0	20
36	Electrochemical biofilm control by reconstructing microbial community in agricultural water distribution systems. <i>Journal of Hazardous Materials</i> , 2021, 403, 123616.	12.4	20

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37	Influence of long-term land application of Class B biosolids on soil bacterial diversity. <i>Journal of Applied Microbiology</i> , 2010, 109, 698-706.	3.1	19
38	Poultry Litter and Cover Crop Integration into No-Till Cotton on Upland Soil. <i>Agronomy Journal</i> , 2019, 111, 2097-2107.	1.8	19
39	Runoff Quality from No-Till Cotton Fertilized with Broiler Litter in Subsurface Bands. <i>Journal of Environmental Quality</i> , 2013, 42, 284-291.	2.0	18
40	Management Strategies on an Upland Soil for Improving Soil Properties. <i>Communications in Soil Science and Plant Analysis</i> , 2020, 51, 413-429.	1.4	18
41	Spatial and temporal analysis of microbial populations in production broiler house litter in the southeastern United States. <i>Journal of Applied Poultry Research</i> , 2013, 22, 759-770.	1.2	17
42	Effects of Subsurface Banding and Broadcast of Poultry Litter and Cover Crop on Soil Microbial Populations. <i>Journal of Environmental Quality</i> , 2018, 47, 427-435.	2.0	17
43	Method of Soil Sampling following Subsurface Banding of Solid Manures. <i>Agronomy Journal</i> , 2013, 105, 519-526.	1.8	16
44	The Occurrence of Antibiotic Resistance Genes in an Urban River in Nepal. <i>Water (Switzerland)</i> , 2020, 12, 450.	2.7	16
45	The effect of poultry manure application rate and AlCl ₃ treatment on bacterial fecal indicators in runoff. <i>Journal of Water and Health</i> , 2012, 10, 619-628.	2.6	14
46	Broiler litter ammonia emissions near sidewalls, feeders, and waterers. <i>Poultry Science</i> , 2013, 92, 1693-1698.	3.4	14
47	The influence of chlorination timing and concentration on microbial communities in labyrinth channels: implications for biofilm removal. <i>Biofouling</i> , 2019, 35, 401-415.	2.2	12
48	Co-existing Anammox, Ammonium-Oxidizing, and Nitrite-Oxidizing Bacteria in Biocathode-Biofilms Enable Energy-Efficient Nitrogen Removal in a Bioelectrochemical Desalination Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 4967-4979.	6.7	12
49	Diversity of aerosolized bacteria during land application of biosolids. <i>Journal of Applied Microbiology</i> , 2007, 103, 1779-1790.	3.1	11
50	Identification of <i>Salmonella enterica</i> serovar Kentucky genes involved in attachment to chicken skin. <i>BMC Microbiology</i> , 2016, 16, 168.	3.3	11
51	Bacterial Community Structure Recovery in Reclaimed Coal Mined Soil under Two Vegetative Regimes. <i>Journal of Environmental Quality</i> , 2019, 48, 1029-1037.	2.0	11
52	Comparison of Selected Nutrients and Bacteria from Common Contiguous Soils Inside and Outside Swine Lagoon Effluent Spray Fields after Long-Term Use. <i>Journal of Environmental Quality</i> , 2010, 39, 1829-1840.	2.0	10
53	Effect of Surface Incorporation of Broiler Litter Applied to No-Till Cotton on Runoff Quality. <i>Journal of Environmental Quality</i> , 2011, 40, 566-574.	2.0	10
54	Corn and soybean grain yield responses to soil amendments and cover crop in upland soils. <i>Journal of Plant Nutrition</i> , 2019, 42, 2484-2497.	1.9	10

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55	Effects of Bedding Materials in Applied Poultry Litter and Immobilizing Agents on Runoff Water, Soil Properties, and Bermudagrass Growth. <i>Journal of Environmental Quality</i> , 2014, 43, 290-296.	2.0	9
56	Ammonia and Nitrous Oxide Emissions from a Commercial Broiler House. <i>Journal of Environmental Quality</i> , 2014, 43, 1119-1124.	2.0	9
57	Pathogen re-colonization of in-house composted and noncomposted broiler litter. <i>Journal of Applied Poultry Research</i> , 2015, 24, 157-167.	1.2	9
58	Resource recovery from low strength wastewater in a bioelectrochemical desalination process. <i>Engineering in Life Sciences</i> , 2020, 20, 54-66.	3.6	9
59	Recovery of <i>Salmonella</i> from Bermudagrass Exposed to Simulated Wastewater. <i>Journal of Environmental Quality</i> , 2009, 38, 337-342.	2.0	8
60	Evaluating Spatial and Temporal Variability of Fecal Coliform Bacteria Loads at the Pelahatchie Watershed in Mississippi. <i>Human and Ecological Risk Assessment (HERA)</i> , 2014, 20, 1023-1041.	3.4	8
61	Using broiler litter and swine manure lagoon effluent in sawdust-based swine mortality composts: Effects on nutrients, bacteria, and gaseous emissions. <i>Science of the Total Environment</i> , 2015, 532, 265-280.	8.0	8
62	Effect of Manure Application Rate and Rainfall Timing on the Leaching of Antibiotic-Resistant Bacteria and Their Associated Genes. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	8
63	Nutrients and Bacteria in Common Contiguous Mississippi Soils with and without Broiler Litter Fertilization. <i>Journal of Environmental Quality</i> , 2011, 40, 1322-1331.	2.0	7
64	<i>Escherichia coli</i> Antimicrobial Resistance Variability in Water Runoff and Soil from a Remnant Native Prairie, an Improved Pasture, and a Cultivated Agricultural Watershed. <i>Water (Switzerland)</i> , 2020, 12, 1251.	2.7	7
65	A preliminary investigation of wild pig (<i>Sus scrofa</i>) impacts in water quality. <i>Journal of Environmental Quality</i> , 2020, 49, 27-37.	2.0	7
66	Within-House Spatial Distribution of Fecal Indicator Bacteria in Poultry Litter. <i>Journal of Environmental Quality</i> , 2017, 46, 1003-1009.	2.0	6
67	Assessing Climate Variability Impact on Thermotolerant Coliform Bacteria in Surface Water. <i>Human and Ecological Risk Assessment (HERA)</i> , 2015, 21, 691-706.	3.4	5
68	Diversity of Plasmids and Genes Encoding Resistance to Extended-Spectrum β -Lactamase in <i>Escherichia coli</i> from Different Animal Sources. <i>Microorganisms</i> , 2021, 9, 1057.	3.6	5
69	EPA Worst Case Water Microcosms for Testing Phage Biocontrol of <i>Salmonella</i> . <i>Journal of Environmental Quality</i> , 2008, 37, 266-271.	2.0	4
70	A new sampler for stratified lagoon chemical and microbiological assessments. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 4097-4110.	2.7	4
71	Bioinformation and β -Omic Approaches for Characterization of Environmental Microorganisms. , 2015, , 483-505.		4
72	Effects on Selected Soil Properties of Subsurface Banding and Surface Broadcasting Pelletized Poultry Litter on Cotton. <i>Soil Science</i> , 2018, 183, 112-120.	0.9	4

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73	Elevated Incidences of Antimicrobial Resistance and Multidrug Resistance in the Maumee River (Ohio,) Tj ETQq1 1 0,784314 rgBT /Over 3.6	3.6	4
74	In vitro Prebiotic Bacterial Growth Properties of Xylooligosaccharides Produced by Autohydrolysis of Corn Fiber. International Journal of Poultry Science, 2015, 14, 305-311.	0.1	4
75	Lignite Coal and Biochar Reduce Ammonia Emissions from Broiler Litter. International Journal of Poultry Science, 2020, 19, 137-141.	0.1	3
76	Response to Comment on "Evidence for the Absence of Staphylococcus aureus in Land Applied Biosolids". Environmental Science & Technology, 2003, 37, 5836-5836.	10.0	2
77	Supplemental invasion of Salmonella from the perspective of Salmonella enterica serovars Kentucky and Typhimurium. BMC Microbiology, 2017, 17, 88.	3.3	2
78	Decomposition of poultry litter organic matter co-applied with industrial and agricultural products/by-products. Journal of Environmental Quality, 2021, 50, 364-374.	2.0	2
79	Implications of Intensive Spatial Sampling of Broiler Litter: Characteristics and Gaseous Emissions. International Journal of Poultry Science, 2017, 16, 60-68.	0.1	2
80	Bioaerosol Contamination of Produce. , 2014, , 107-121.		1
81	Land Application of Organic Residuals. , 2015, , 607-621.		1
82	Improving estimates of N and P loads in irrigation water from swine manure lagoons. Irrigation Science, 2016, 34, 245-260.	2.8	1
83	Broiler Litter – Industrial By-Products Reduce Nutrients and Microbial Losses in Surface Runoff When Applied to Forages. Journal of Environmental Quality, 2017, 46, 339-347.	2.0	1
84	Effects of Low-Grade Weirs on Soil Microbial Communities in Agricultural Drainage Ditches. Journal of Environmental Quality, 2018, 47, 1155-1162.	2.0	1
85	Mid-Flock and Post-Harvest Spatial Characterization of Broiler Litter Gas Flux and Nutrients. International Journal of Poultry Science, 2016, 15, 175-181.	0.1	1
86	Mineral Composition of Litter in Commercial Broiler Houses. International Journal of Poultry Science, 2018, 17, 85-91.	0.1	1
87	Soil Sampling for Microbial Analyses. , 2015, , 2.6.3-1-2.6.3-11.		0
88	Nucleic Acid-Based Methods of Analysis. , 2015, , 271-305.		0
89	Application of a micro-aerosolized disinfectant to clear Mycoplasma gallisepticum from contaminated facilities. Journal of Applied Poultry Research, 2017, 26, 416-420.	1.2	0
90	Investigating the role of organic carbon amendments and microbial denitrification gene abundance in nitrogen removal from experimental agricultural drainage ditches with low-grade weirs. Water Environment Research, 2020, 92, 899-910.	2.7	0

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91	Investigation of Pathogenic Bacterial Transport by Waterbirds: A Case Study of Flooded and Non-Flooded Rice Systems in Mississippi. <i>Water (Switzerland)</i> , 2020, 12, 1833.	2.7	0
92	Soil microbial influences on "One Health", 2021, , 681-700.		0
93	Pelleted biosolids and cover crop effects on major Southern row crops. <i>Journal of Plant Nutrition</i> , 2021, 44, 2677-2690.	1.9	0
94	Integration of pelleted biosolids with cover crops for improving soil properties. <i>Soil Science Society of America Journal</i> , 2022, 86, 728-741.	2.2	0
95	Cholesterol, Yield, Tibia and Clavicle Ash of Broilers fed High Available Phosphorus Corn and/or Phytase with/without Alum Litter Treatment. <i>International Journal of Poultry Science</i> , 2019, 18, 349-352.	0.1	0