

# John P Brooks

## List of Publications by Year in descending order

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95  
papers

1,917  
citations

249298

26  
h-index

340414

39  
g-index

96  
all docs

96  
docs citations

96  
times ranked

2247  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integration of pelleted biosolids with cover crops for improving soil properties. Soil Science Society of America Journal, 2022, 86, 728-741.	1.2	0
2	Electrochemical biofilm control by reconstructing microbial community in agricultural water distribution systems. Journal of Hazardous Materials, 2021, 403, 123616.	6.5	20
3	Soil microbial influences on "One Health", 2021, , 681-700.		0
4	Decomposition of poultry litter organic matter co-applied with industrial and agricultural products/by-products. Journal of Environmental Quality, 2021, 50, 364-374.	1.0	2
5	Co-existing Anammox, Ammonium-Oxidizing, and Nitrite-Oxidizing Bacteria in Biocathode-Biofilms Enable Energy-Efficient Nitrogen Removal in a Bioelectrochemical Desalination Process. ACS Sustainable Chemistry and Engineering, 2021, 9, 4967-4979.	3.2	12
6	Elevated Incidences of Antimicrobial Resistance and Multidrug Resistance in the Maumee River (Ohio), Tj ETQq0 0 Q rrgBT /Overlock 10 T	1.6	4
7	Increased Antimicrobial and Multidrug Resistance Downstream of Wastewater Treatment Plants in an Urban Watershed. Frontiers in Microbiology, 2021, 12, 657353.	1.5	34
8	Diversity of Plasmids and Genes Encoding Resistance to Extended-Spectrum $\beta$ -Lactamase in Escherichia coli from Different Animal Sources. Microorganisms, 2021, 9, 1057.	1.6	5
9	Pelleted biosolids and cover crop effects on major Southern row crops. Journal of Plant Nutrition, 2021, 44, 2677-2690.	0.9	0
10	Management Strategies on an Upland Soil for Improving Soil Properties. Communications in Soil Science and Plant Analysis, 2020, 51, 413-429.	0.6	18
11	Resource recovery from low strength wastewater in a bioelectrochemical desalination process. Engineering in Life Sciences, 2020, 20, 54-66.	2.0	9
12	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.	1.3	0
13	Investigation of Pathogenic Bacterial Transport by Waterbirds: A Case Study of Flooded and Non-Flooded Rice Systems in Mississippi. Water (Switzerland), 2020, 12, 1833.	1.2	0
14	Low external input sustainable agriculture: Winter flooding in rice fields increases bird use, fecal matter and soil health, reducing fertilizer requirements. Agriculture, Ecosystems and Environment, 2020, 300, 106962.	2.5	21
15	Escherichia coli Antimicrobial Resistance Variability in Water Runoff and Soil from a Remnant Native Prairie, an Improved Pasture, and a Cultivated Agricultural Watershed. Water (Switzerland), 2020, 12, 1251.	1.2	7
16	The Occurrence of Antibiotic Resistance Genes in an Urban River in Nepal. Water (Switzerland), 2020, 12, 450.	1.2	16
17	A preliminary investigation of wild pig ( <i>Sus scrofa</i> ) impacts in water quality. Journal of Environmental Quality, 2020, 49, 27-37.	1.0	7
18	Removal of Antibiotic Resistance Genes at Two Conventional Wastewater Treatment Plants of Louisiana, USA. Water (Switzerland), 2020, 12, 1729.	1.2	29

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19	Lignite Coal and Biochar Reduce Ammonia Emissions from Broiler Litter. <i>International Journal of Poultry Science</i> , 2020, 19, 137-141.	0.6	3
20	Bacterial Community Structure Recovery in Reclaimed Coal Mined Soil under Two Vegetative Regimes. <i>Journal of Environmental Quality</i> , 2019, 48, 1029-1037.	1.0	11
21	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.	0.9	10
22	The influence of chlorination timing and concentration on microbial communities in labyrinth channels: implications for biofilm removal. <i>Biofouling</i> , 2019, 35, 401-415.	0.8	12
23	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.	4.6	27
24	Removal of fecal indicator bacteria and antibiotic resistant genes in constructed wetlands. <i>Environmental Science and Pollution Research</i> , 2019, 26, 10188-10197.	2.7	27
25	Poultry Litter and Cover Crop Integration into No-till Cotton on Upland Soil. <i>Agronomy Journal</i> , 2019, 111, 2097-2107.	0.9	19
26	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.	0.6	0
27	Evaluation of anammox biocathode in microbial desalination and wastewater treatment. <i>Chemical Engineering Journal</i> , 2018, 342, 410-419.	6.6	62
28	Antibiotic Resistant Bacteria in Municipal Wastes: Is There Reason for Concern?. <i>Environmental Science &amp; Technology</i> , 2018, 52, 3949-3959.	4.6	110
29	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.	1.1	8
30	Bioelectricity production in photosynthetic microbial desalination cells under different flow configurations. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 58, 131-139.	2.9	34
31	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.	1.0	17
32	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
33	Effects of Low-Grade Weirs on Soil Microbial Communities in Agricultural Drainage Ditches. <i>Journal of Environmental Quality</i> , 2018, 47, 1155-1162.	1.0	1
34	Mineral Composition of Litter in Commercial Broiler Houses. <i>International Journal of Poultry Science</i> , 2018, 17, 85-91.	0.6	1
35	Application of a micro-aerosolized disinfectant to clear <i>Mycoplasma gallisepticum</i> from contaminated facilities. <i>Journal of Applied Poultry Research</i> , 2017, 26, 416-420.	0.6	0
36	Supplemental invasion of <i>Salmonella</i> from the perspective of <i>Salmonella enterica</i> serovars Kentucky and Typhimurium. <i>BMC Microbiology</i> , 2017, 17, 88.	1.3	2

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37	Salmonella enterica Serovar Kentucky Flagella Are Required for Broiler Skin Adhesion and Caco-2 Cell Invasion. Applied and Environmental Microbiology, 2017, 83, .	1.4	30
38	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.	1.0	1
39	Within-House Spatial Distribution of Fecal Indicator Bacteria in Poultry Litter. Journal of Environmental Quality, 2017, 46, 1003-1009.	1.0	6
40	Implications of Intensive Spatial Sampling of Broiler Litter: Characteristics and Gaseous Emissions. International Journal of Poultry Science, 2017, 16, 60-68.	0.6	2
41	Identification of Salmonella enterica serovar Kentucky genes involved in attachment to chicken skin. BMC Microbiology, 2016, 16, 168.	1.3	11
42	Cultivation and qPCR Detection of Pathogenic and Antibiotic-Resistant Bacterial Establishment in Naive Broiler Houses. Journal of Environmental Quality, 2016, 45, 958-966.	1.0	22
43	Improving estimates of N and P loads in irrigation water from swine manure lagoons. Irrigation Science, 2016, 34, 245-260.	1.3	1
44	Decay rates of zoonotic pathogens and viral surrogates in soils amended with biosolids and manures and comparison of qPCR and culture derived rates. Science of the Total Environment, 2016, 573, 671-679.	3.9	22
45	Mid-Flock and Post-Harvest Spatial Characterization of Broiler Litter Gas Flux and Nutrients. International Journal of Poultry Science, 2016, 15, 175-181.	0.6	1
46	Soil Sampling for Microbial Analyses. , 2015, , 2.6.3-1-2.6.3-11.		0
47	Investigation of denitrifying microbial communities within an agricultural drainage system fitted with low-grade weirs. Water Research, 2015, 87, 193-201.	5.3	27
48	Enhancing Management of Fall-Applied Poultry Litter with Cover Crop and Subsurface Band Placement in No-Till Cotton. Agronomy Journal, 2015, 107, 449-458.	0.9	38
49	Nucleic Acid-Based Methods of Analysis. , 2015, , 271-305.		0
50	Land Application of Organic Residuals. , 2015, , 607-621.		1
51	Bioinformation and -Omic Approaches for Characterization of Environmental Microorganisms. , 2015, , 483-505.		4
52	Assessing Climate Variability Impact on Thermotolerant Coliform Bacteria in Surface Water. Human and Ecological Risk Assessment (HERA), 2015, 21, 691-706.	1.7	5
53	Pathogen re-colonization of in-house composted and noncomposted broiler litter. Journal of Applied Poultry Research, 2015, 24, 157-167.	0.6	9
54	Using broiler litter and swine manure lagoon effluent in sawdust-based swine mortality composts: Effects on nutrients, bacteria, and gaseous emissions. Science of the Total Environment, 2015, 532, 265-280.	3.9	8

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55	In vitro Prebiotic Bacterial Growth Properties of Xylooligosaccharides Produced by Autohydrolysis of Corn Fiber. <i>International Journal of Poultry Science</i> , 2015, 14, 305-311.	0.6	4
56	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.	1.0	9
57	Ammonia and Nitrous Oxide Emissions from a Commercial Broiler House. <i>Journal of Environmental Quality</i> , 2014, 43, 1119-1124.	1.0	9
58	A new sampler for stratified lagoon chemical and microbiological assessments. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 4097-4110.	1.3	4
59	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.	1.7	8
60	Bioaerosol Contamination of Produce. , 2014, , 107-121.		1
61	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.	5.3	102
62	Broiler litter ammonia emissions near sidewalls, feeders, and waterers. <i>Poultry Science</i> , 2013, 92, 1693-1698.	1.5	14
63	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.	0.6	17
64	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
65	Runoff Quality from No-Till Cotton Fertilized with Broiler Litter in Subsurface Bands. <i>Journal of Environmental Quality</i> , 2013, 42, 284-291.	1.0	18
66	Method of Soil Sampling following Subsurface Banding of Solid Manures. <i>Agronomy Journal</i> , 2013, 105, 519-526.	0.9	16
67	The effect of poultry manure application rate and AlCl <sub>3</sub> treatment on bacterial fecal indicators in runoff. <i>Journal of Water and Health</i> , 2012, 10, 619-628.	1.1	14
68	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.	5.3	30
69	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.	1.0	65
70	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.	1.4	46
71	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.	1.0	24
72	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.	1.0	10

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73	Nutrients and Bacteria in Common Contiguous Mississippi Soils with and without Broiler Litter Fertilization. <i>Journal of Environmental Quality</i> , 2011, 40, 1322-1331.	1.0	7
74	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.	3.9	64
75	Influence of long-term land application of Class B biosolids on soil bacterial diversity. <i>Journal of Applied Microbiology</i> , 2010, 109, 698-706.	1.4	19
76	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.	1.0	34
77	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.	1.0	10
78	Pathogens and Indicators in United States Class B Biosolids: National and Historic Distributions. <i>Journal of Environmental Quality</i> , 2010, 39, 2185-2190.	1.0	32
79	Recovery of <i>Salmonella</i> from Bermudagrass Exposed to Simulated Wastewater. <i>Journal of Environmental Quality</i> , 2009, 38, 337-342.	1.0	8
80	Antibiotic Resistant Bacterial Profiles of Anaerobic Swine Lagoon Effluent. <i>Journal of Environmental Quality</i> , 2009, 38, 2431-2437.	1.0	20
81	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.	1.0	31
82	Rainfall Simulation in Greenhouse Microcosms to Assess Bacteria-Associated Runoff from Land-Applied Poultry Litter. <i>Journal of Environmental Quality</i> , 2009, 38, 218-229.	1.0	45
83	EPA Worst Case Water Microcosms for Testing Phage Biocontrol of <i>Salmonella</i> . <i>Journal of Environmental Quality</i> , 2008, 37, 266-271.	1.0	4
84	Exposure and risk assessment of Salmonella in recycled residuals. <i>Water Science and Technology</i> , 2008, 57, 1061-1065.	1.2	22
85	Sustainability of Land Application of Class B Biosolids. <i>Journal of Environmental Quality</i> , 2008, 37, 558-67.	1.0	30
86	Estimated Occupational Risk from Bioaerosols Generated during Land Application of Class B Biosolids. <i>Journal of Environmental Quality</i> , 2008, 37, 2311-2321.	1.0	38
87	Occurrence of antibiotic-resistant bacteria and endotoxin associated with the land application of biosolids. <i>Canadian Journal of Microbiology</i> , 2007, 53, 616-622.	0.8	80
88	Diversity of aerosolized bacteria during land application of biosolids. <i>Journal of Applied Microbiology</i> , 2007, 103, 1779-1790.	1.4	11
89	Pathogens in Biosolids. <i>Advances in Agronomy</i> , 2006, 90, 1-41.	2.4	56
90	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.	0.8	30

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91	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.	1.4	77
92	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.	1.4	90
93	Bioaerosol Emission Rate and Plume Characteristics during Land Application of Liquid Class B Biosolids. <i>Environmental Science &amp; Technology</i> , 2005, 39, 1584-1590.	4.6	39
94	Evidence for the Absence of <i>Staphylococcus aureus</i> in Land Applied Biosolids. <i>Environmental Science &amp; Technology</i> , 2003, 37, 4027-4030.	4.6	24
95	Response to Comment on "Evidence for the Absence of <i>Staphylococcus aureus</i> in Land Applied Biosolids". <i>Environmental Science &amp; Technology</i> , 2003, 37, 5836-5836.	4.6	2