

Jennifer L Pechal

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

1,113
citations

18
h-index

33
g-index

45
ext. papers

1,506
ext. citations

3.2
avg. IF

4.61
L-index

#	Paper	IF	Citations
42	Microbial Community Response to a Novel Salmon Resource Subsidy. <i>Frontiers in Ecology and Evolution</i> , 2020 , 7,	3.7	2
41	Evaluating Bioinformatic Pipeline Performance for Forensic Microbiome Analysis. <i>Journal of Forensic Sciences</i> , 2020 , 65, 513-525	1.8	3
40	Adult Blow Fly (Diptera: Calliphoridae) Community Structure Across Urban-Rural Landscapes in Michigan, United States. <i>Journal of Medical Entomology</i> , 2020 , 57, 705-714	2.2	7
39	Dysbiosis in the Dead: Human Postmortem Microbiome Beta-Dispersion as an Indicator of Manner and Cause of Death. <i>Frontiers in Microbiology</i> , 2020 , 11, 555347	5.7	9
38	Total RNA Analysis of Bacterial Community Structural and Functional Shifts Throughout Vertebrate Decomposition. <i>Journal of Forensic Sciences</i> , 2019 , 64, 1707-1719	1.8	6
37	Machine learning performance in a microbial molecular autopsy context: A cross-sectional postmortem human population study. <i>PLoS ONE</i> , 2019 , 14, e0213829	3.7	19
36	Microbial communities of salmon resource subsidies and associated necrophagous consumers during decomposition: Potential of cross-ecosystem microbial dispersal. <i>Food Webs</i> , 2019 , 19, e00114	1.8	5
35	Bacterial Community Succession, Transmigration, and Differential Gene Transcription in a Controlled Vertebrate Decomposition Model. <i>Frontiers in Microbiology</i> , 2019 , 10, 745	5.7	10
34	Initial Evidence of the Relationships between the Human Postmortem Microbiome and Neighborhood Blight and Greening Efforts. <i>Annals of the American Association of Geographers</i> , 2019 , 109, 958-978	2.6	9
33	Detection of critical antibiotic resistance genes through routine microbiome surveillance. <i>PLoS ONE</i> , 2019 , 14, e0213280	3.7	10
32	Towards Quantifying Carrion Biomass in Ecosystems. <i>Trends in Ecology and Evolution</i> , 2019 , 34, 950-961	10.9	35
31	The Need for Alternative Insect Protein in Africa. <i>Annals of the Entomological Society of America</i> , 2019 , 112, 566-575	2	1
30	Necrobiome framework for bridging decomposition ecology of autotrophically and heterotrophically derived organic matter. <i>Ecological Monographs</i> , 2019 , 89, e01331	9	55
29	Nitrate amendment reduces biofilm biomass and shifts microbial communities in remote, oligotrophic ponds. <i>Freshwater Science</i> , 2018 , 37, 251-263	2	6
28	A large-scale survey of the postmortem human microbiome, and its potential to provide insight into the living health condition. <i>Scientific Reports</i> , 2018 , 8, 5724	4.9	57
27	Changes in Larval Mosquito Microbiota Reveal Non-target Effects of Insecticide Treatments in Hurricane-Created Habitats. <i>Microbial Ecology</i> , 2018 , 76, 719-728	4.4	7
26	Interkingdom Community Interactions in Disease Ecology. <i>Advances in Environmental Microbiology</i> , 2018 , 3-38	1.3	1

25	The Dynamic Maggot Mass Microbiome. <i>Annals of the Entomological Society of America</i> , 2017 , 110, 45-53	23
24	Frozen: Thawing and Its Effect on the Postmortem Microbiome in Two Pediatric Cases. <i>Journal of Forensic Sciences</i> , 2017 , 62, 1399-1405	1.8 19
23	Approaches and considerations for forensic microbiology decomposition research 2017 , 56-71	1
22	Sampling methods and data generation 2017 , 72-93	1
21	Temporal and Spatial Impact of Human Cadaver Decomposition on Soil Bacterial and Arthropod Community Structure and Function. <i>Frontiers in Microbiology</i> , 2017 , 8, 2616	5.7 34
20	The potential use of cuticular hydrocarbons and multivariate analysis to age empty puparial cases of <i>Calliphora vicina</i> and <i>Lucilia sericata</i> . <i>Scientific Reports</i> , 2017 , 7, 1933	4.9 14
19	Necrophilous Insect Dynamics at Small Vertebrate Carrion in a Temperate Eucalypt Woodland. <i>Journal of Medical Entomology</i> , 2017 , 54, 964-973	2.2 12
18	Heterotrophic Bacteria Production and Microbial Community Assessment 2017 , 161-176	1
17	Post-Colonization Interval Estimates Using Multi-Species Calliphoridae Larval Masses and Spatially Distinct Temperature Data Sets: A Case Study. <i>Insects</i> , 2017 , 8,	2.8 11
16	Microbial Signatures of Cadaver Gravesoil During Decomposition. <i>Microbial Ecology</i> , 2016 , 71, 524-9	4.4 55
15	Microbial Biofilm Community Variation in Flowing Habitats: Potential Utility as Bioindicators of Postmortem Submersion Intervals. <i>Microorganisms</i> , 2016 , 4,	4.9 22
14	Microbial ecology of the salmon necrobiome: evidence salmon carrion decomposition influences aquatic and terrestrial insect microbiomes. <i>Environmental Microbiology</i> , 2016 , 18, 1511-22	5.2 43
13	Fluorescently labeled bacteria provide insight on post-mortem microbial transmigration. <i>Forensic Science International</i> , 2016 , 264, 63-9	2.6 35
12	Field Documentation of Unusual Post-Mortem Arthropod Activity on Human Remains. <i>Journal of Medical Entomology</i> , 2015 , 52, 105-8	2.2 7
11	The Potential of High-throughput Metagenomic Sequencing of Aquatic Bacterial Communities to Estimate the Postmortem Submersion Interval. <i>Journal of Forensic Sciences</i> , 2015 , 60, 1500-10	1.8 49
10	Hydrocarbon profiles throughout adult Calliphoridae aging: A promising tool for forensic entomology. <i>Forensic Science International</i> , 2014 , 245, 65-71	2.6 19
9	Delayed insect access alters carrion decomposition and necrophagous insect community assembly. <i>Ecosphere</i> , 2014 , 5, art45	3.1 55
8	The potential use of bacterial community succession in forensics as described by high throughput metagenomic sequencing. <i>International Journal of Legal Medicine</i> , 2014 , 128, 193-205	3.1 190

7	Seasonal necrophagous insect community assembly during vertebrate carrion decomposition. <i>Journal of Medical Entomology</i> , 2013 , 50, 440-50	2.2	91
6	Microbial community functional change during vertebrate carrion decomposition. <i>PLoS ONE</i> , 2013 , 8, e79035	3.7	104
5	Interkingdom responses of flies to bacteria mediated by fly physiology and bacterial quorum sensing. <i>Animal Behaviour</i> , 2012 , 84, 1449-1456	2.8	64
4	Rehydration of forensically important larval Diptera specimens. <i>Journal of Medical Entomology</i> , 2011 , 48, 118-25	2.2	7
3	Merope tuber Newman (Mecoptera: Meropidae) Collected in Association with Carrion in Greene County, Ohio, USA: An Infrequent Collection of an Elusive Species. <i>American Midland Naturalist</i> , 2011 , 166, 453-457	0.7	8
2	Genetic Analysis of <i>Periplaneta americana</i> (Blattodea: Blattellidae) in Central Texas Using the ITS1 Region. <i>Journal of Agricultural and Urban Entomology</i> , 2008 , 25, 179-191	1.5	2
1	Epidemiology and Spatial Relationships of Bacteria Associated with <i>Periplaneta americana</i> (Blattodea: Blattellidae) in Central Texas. <i>Journal of Agricultural and Urban Entomology</i> , 2007 , 24, 205-216	1.5	3