

# Kevin D Kohl

## List of Publications by Year in Descending Order

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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.

76 papers	2,613 citations	27 h-index	50 g-index
82 ext. papers	3,791 ext. citations	4.6 avg, IF	5.98 L-index

#	Paper	IF	Citations
76	Plant secondary compound- and antibiotic-induced community disturbances improve the establishment of foreign gut microbiota.. <i>FEMS Microbiology Ecology</i> , <b>2022</b> ,	4.3	1
75	MixS-SA: a MixS extension defining the minimum information standard for sequence data from symbiont-associated micro-organisms. <i>ISME Communications</i> , <b>2022</b> , 2,		1
74	The gut microbiome influences host diet selection behavior.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2117537119	11.5	1
73	Microbiome stability and structure is governed by host phylogeny over diet and geography in woodrats ( spp.). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	7
72	Context-dependent effects of glucocorticoids on the lizard gut microbiome. <i>Molecular Ecology</i> , <b>2021</b> , 31, 185	5.7	1
71	Stabilization and optimization of host-microbe-environment interactions as a potential reason for the behavior of natal philopatry. <i>Animal Microbiome</i> , <b>2021</b> , 3, 26	4.1	1
70	Low activities of digestive enzymes in the guts of herbivorous grouse (Aves: Tetraoninae). <i>Journal of Ornithology</i> , <b>2021</b> , 162, 477-485	1.5	0
69	Abundance and Compositions of B-Vitamin-Producing Microbes in the Mammalian Gut Vary Based on Feeding Strategies. <i>MSystems</i> , <b>2021</b> , e0031321	7.6	1
68	Gut microbiota of invasive bullfrog tadpoles responds more rapidly to temperature than a noninvasive congener. <i>Molecular Ecology</i> , <b>2020</b> , 29, 2449-2462	5.7	5
67	A bird's-eye view of phyllosymbiosis: weak signatures of phyllosymbiosis among all 15 species of cranes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2020</b> , 287, 20192988	4.4	9
66	Two's company, three's a crowd: Exploring how host-parasite-microbiota interactions may influence disease susceptibility and conservation of wildlife. <i>Molecular Ecology</i> , <b>2020</b> , 29, 1402-1405	5.7	3
65	Coprophagy prevention alters microbiome, metabolism, neurochemistry, and cognitive behavior in a small mammal. <i>ISME Journal</i> , <b>2020</b> , 14, 2625-2645	11.9	27
64	Natural diets promote retention of the native gut microbiota in captive rodents. <i>ISME Journal</i> , <b>2020</b> , 14, 67-78	11.9	37
63	Evaluation of non-lethal gut microbiome sampling methods in a passerine bird. <i>Ibis</i> , <b>2020</b> , 162, 911-923	1.9	11
62	Optimal integration between host physiology and functions of the gut microbiome. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2020</b> , 375, 20190594	5.8	5
61	Ecological and evolutionary mechanisms underlying patterns of phyllosymbiosis in host-associated microbial communities. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2020</b> , 375, 20190251	5.8	27
60	Gestation alters the gut microbiota of an oviparous lizard. <i>FEMS Microbiology Ecology</i> , <b>2019</b> , 95,	4.3	10

59	Symbiotic microbes and potential pathogens in the intestine of dead southern right whale ( <i>Eubalaena australis</i> ) calves. <i>Anaerobe</i> , <b>2019</b> , 57, 107-114	2.8	5
58	Conservation biology needs a microbial renaissance: a call for the consideration of host-associated microbiota in wildlife management practices. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2019</b> , 286, 20182448	4.4	118
57	Age-related changes in the gut microbiota of wild House Sparrow nestlings. <i>Ibis</i> , <b>2019</b> , 161, 184-191	1.9	19
56	Elements of disturbance that affect epiphyte vitality in a temperate rainforest: an experimental approach. <i>Journal of Plant Ecology</i> , <b>2019</b> , 12, 306-313	1.7	1
55	Parasite microbiome project: Grand challenges. <i>PLoS Pathogens</i> , <b>2019</b> , 15, e1008028	7.6	22
54	Dietary shifts influenced by livestock grazing shape the gut microbiota composition and co-occurrence networks in a local rodent species. <i>Journal of Animal Ecology</i> , <b>2019</b> , 88, 302-314	4.7	22
53	Urea hydrolysis by gut bacteria in a hibernating frog: evidence for urea-nitrogen recycling in Amphibia. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2018</b> , 285,	4.4	22
52	Gut microbial communities of American pikas ( <i>Ochotona princeps</i> ): Evidence for phyllosymbiosis and adaptations to novel diets. <i>Journal of Animal Ecology</i> , <b>2018</b> , 87, 323-330	4.7	54
51	Do host-associated gut microbiota mediate the effect of an herbicide on disease risk in frogs?. <i>Journal of Animal Ecology</i> , <b>2018</b> , 87, 489-499	4.7	27
50	microbial communities: a potential mechanism for the initial acquisition of gut microbiota among oviparous birds and lizards. <i>Biology Letters</i> , <b>2018</b> , 14,	3.6	26
49	Gut microbes limit growth in house sparrow nestlings ( <i>Passer domesticus</i> ) but not through limitations in digestive capacity. <i>Integrative Zoology</i> , <b>2018</b> , 13, 139-151	1.9	26
48	Microbial communities exhibit host species distinguishability and phyllosymbiosis along the length of the gastrointestinal tract. <i>Molecular Ecology</i> , <b>2018</b> , 27, 1874-1883	5.7	41
47	Metagenomic sequencing provides insights into microbial detoxification in the guts of small mammalian herbivores ( <i>Neotoma</i> spp.). <i>FEMS Microbiology Ecology</i> , <b>2018</b> , 94,	4.3	13
46	Environmental temperature alters the digestive performance and gut microbiota of a terrestrial amphibian. <i>Journal of Experimental Biology</i> , <b>2018</b> , 221,	3	48
45	A Microbial Perspective on the Grand Challenges in Comparative Animal Physiology. <i>MSystems</i> , <b>2018</b> , 3,	7.6	4
44	Intestinal Lymphatic Transport: an Overlooked Pathway for Understanding Absorption of Plant Secondary Compounds in Vertebrate Herbivores. <i>Journal of Chemical Ecology</i> , <b>2017</b> , 43, 290-294	2.7	2
43	Patterns of host gene expression associated with harboring a foregut microbial community. <i>BMC Genomics</i> , <b>2017</b> , 18, 697	4.5	3
42	An Introductory "How-to" Guide for Incorporating Microbiome Research into Integrative and Comparative Biology. <i>Integrative and Comparative Biology</i> , <b>2017</b> , 57, 674-681	2.8	19

41	With a Little Help from My Friends: Microbial Partners in Integrative and Comparative Biology-An Introduction to the Symposium. <i>Integrative and Comparative Biology</i> , <b>2017</b> , 57, 669-673	2.8	
40	Early-life disruption of amphibian microbiota decreases later-life resistance to parasites. <i>Nature Communications</i> , <b>2017</b> , 8, 86	17.4	72
39	Beyond Fermentation: Other Important Services Provided to Endothermic Herbivores by their Gut Microbiota. <i>Integrative and Comparative Biology</i> , <b>2017</b> , 57, 723-731	2.8	24
38	Early-Life Diet Affects Host Microbiota and Later-Life Defenses Against Parasites in Frogs. <i>Integrative and Comparative Biology</i> , <b>2017</b> , 57, 732-742	2.8	20
37	Gut microbial ecology of lizards: insights into diversity in the wild, effects of captivity, variation across gut regions and transmission. <i>Molecular Ecology</i> , <b>2017</b> , 26, 1175-1189	5.7	93
36	Modulation of digestive enzyme activities in the avian digestive tract in relation to diet composition and quality. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>2017</b> , 187, 339-351	2.2	12
35	Inoculation of tannin-degrading bacteria into novel hosts increases performance on tannin-rich diets. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 1720-9	5.2	45
34	Effects of Fruit Toxins on Intestinal and Microbial $\alpha$ -Glucosidase Activities of Seed-Predating and Seed-Dispersing Rodents ( <i>Acomys</i> spp.). <i>Physiological and Biochemical Zoology</i> , <b>2016</b> , 89, 198-205	2	6
33	A place for host-microbe symbiosis in the comparative physiologist's toolbox. <i>Journal of Experimental Biology</i> , <b>2016</b> , 219, 3496-3504	3	57
32	Physiological and microbial adjustments to diet quality permit facultative herbivory in an omnivorous lizard. <i>Journal of Experimental Biology</i> , <b>2016</b> , 219, 1903-12	3	26
31	Microbial detoxification in the gut of a specialist avian herbivore, the Greater Sage-Grouse. <i>FEMS Microbiology Letters</i> , <b>2016</b> , 363,	2.9	43
30	Phylosymbiosis: Relationships and Functional Effects of Microbial Communities across Host Evolutionary History. <i>PLoS Biology</i> , <b>2016</b> , 14, e2000225	9.7	250
29	Experimental Evolution on a Wild Mammal Species Results in Modifications of Gut Microbial Communities. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 634	5.7	25
28	The Woodrat Gut Microbiota as an Experimental System for Understanding Microbial Metabolism of Dietary Toxins. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1165	5.7	38
27	Effects of environmental temperature on the gut microbial communities of tadpoles. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 1561-5	5.2	74
26	Monoterpenes as inhibitors of digestive enzymes and counter-adaptations in a specialist avian herbivore. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>2015</b> , 185, 425-34	2.2	23
25	Larval exposure to polychlorinated biphenyl 126 (PCB-126) causes persistent alteration of the amphibian gut microbiota. <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 1113-8	3.8	34
24	Validating the use of trap-collected feces for studying the gut microbiota of a small mammal ( <i>Neotoma lepida</i> ). <i>Journal of Mammalogy</i> , <b>2015</b> , 96, 90-93	1.8	11

23	Do wild carnivores forage for prey or for nutrients? Evidence for nutrient-specific foraging in vertebrate predators. <i>BioEssays</i> , <b>2015</b> , 37, 701-9	4.1	57
22	Evolutionary irony: evidence that defensive plant spines act as a proximate cue to attract a mammalian herbivore. <i>Oikos</i> , <b>2015</b> , 124, 835-841	4	9
21	Intestinal lactase activity in southern right whale calves ( <i>Eubalaena australis</i> ). <i>Marine Mammal Science</i> , <b>2015</b> , 31, 398-403	1.9	
20	Clonality and Dynamics of Leaf Abscission of Gambel Oaks at Small Spatial Scales in Utah. <i>Forest Science</i> , <b>2015</b> , 61, 829-833	1.4	
19	Using the Specialization Framework to Determine Degree of Dietary Specialization in a Herbivorous Woodrat. <i>Journal of Chemical Ecology</i> , <b>2015</b> , 41, 1059-68	2.7	8
18	Wild-caught rodents retain a majority of their natural gut microbiota upon entrance into captivity. <i>Environmental Microbiology Reports</i> , <b>2014</b> , 6, 191-5	3.7	71
17	Gut microbes of mammalian herbivores facilitate intake of plant toxins. <i>Ecology Letters</i> , <b>2014</b> , 17, 1238-46	4.6	171
16	Captivity results in disparate loss of gut microbial diversity in closely related hosts <b>2014</b> , 2, cou009		88
15	Unique and shared responses of the gut microbiota to prolonged fasting: a comparative study across five classes of vertebrate hosts. <i>FEMS Microbiology Ecology</i> , <b>2014</b> , 90, 883-94	4.3	134
14	Herbivorous rodents ( <i>Neotoma</i> spp.) harbour abundant and active foregut microbiota. <i>Environmental Microbiology</i> , <b>2014</b> , 16, 2869-78	5.2	54
13	The gastrointestinal tract of the white-throated Woodrat ( <i>Neotoma albigula</i> ) harbors distinct consortia of oxalate-degrading bacteria. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 1595-601	4.8	53
12	Activity of intestinal carbohydrases responds to multiple dietary signals in nestling house sparrows. <i>Journal of Experimental Biology</i> , <b>2013</b> , 216, 3981-7	3	8
11	Effect of age and diet composition on activity of pancreatic enzymes in birds. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>2013</b> , 183, 685-97	2.2	10
10	Physiological and behavioural effects of fruit toxins on seed-predating versus seed-dispersing congeneric rodents. <i>Journal of Experimental Biology</i> , <b>2013</b> , 216, 3667-73	3	9
9	Effects of anatomy and diet on gastrointestinal pH in rodents. <i>Journal of Experimental Zoology</i> , <b>2013</b> , 319, 225-9		15
8	Restructuring of the amphibian gut microbiota through metamorphosis. <i>Environmental Microbiology Reports</i> , <b>2013</b> , 5, 899-903	3.7	87
7	Experience matters: prior exposure to plant toxins enhances diversity of gut microbes in herbivores. <i>Ecology Letters</i> , <b>2012</b> , 15, 1008-15	10	74
6	Diversity and function of the avian gut microbiota. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>2012</b> , 182, 591-602	2.2	154

5	Diversity and novelty of the gut microbial community of an herbivorous rodent ( <i>Neotoma bryanti</i> ). <i>Symbiosis</i> , <b>2011</b> , 54, 47-54	3	29
4	Induced and constitutive responses of digestive enzymes to plant toxins in an herbivorous mammal. <i>Journal of Experimental Biology</i> , <b>2011</b> , 214, 4133-40	3	6
3	Fully reversible phenotypic plasticity of digestive physiology in young house sparrows: lack of long-term effect of early diet composition. <i>Journal of Experimental Biology</i> , <b>2011</b> , 214, 2755-60	3	19
2	Pancreatic and intestinal carbohydrases are matched to dietary starch level in wild passerine birds. <i>Physiological and Biochemical Zoology</i> , <b>2011</b> , 84, 195-203	2	24
1	Developmental adjustments of house sparrow ( <i>Passer domesticus</i> ) nestlings to diet composition. <i>Journal of Experimental Biology</i> , <b>2009</b> , 212, 1284-93	3	44