Katherine R Amato

List of Publications by Year
in descending order

71 papers	6,286 citations	126907 33 h-index	106344 65 g-index
75 all docs	75 docs citations	75 times ranked	7064 citing authors

#	Article	IF	Citations
1	Habitat degradation impacts black howler monkey (Alouatta pigra) gastrointestinal microbiomes. ISME Journal, 2013, 7, 1344-1353.	9.8	1,031
2	Impending extinction crisis of the worldâ€™s primates: Why primates matter. Science Advances, 2017, 3, e1600946.	10.3	912
3	Preservation Methods Differ in Fecal Microbiome Stability, Affecting Suitability for Field Studies. MSystems, 2016, 1, .	3.8	367
4	The Effects of Captivity on the Mammalian Gut Microbiome. Integrative and Comparative Biology, 2017, 57, 690-704.	2.0	301
5	The Gut Microbiota Appears to Compensate for Seasonal Diet Variation in the Wild Black Howler Monkey (Alouatta pigra). Microbial Ecology, 2015, 69, 434-443.	2.8	254
6	The human microbiome in evolution. BMC Biology, 2017, 15, 127.	3.8	243
7	Evolutionary trends in host physiology outweigh dietary niche in structuring primate gut microbiomes. ISME Journal, 2019, 13, 576-587.	9.8	236
8	Gut Microbiome of Coexisting BaAka Pygmies and Bantu Reflects Gradients of Traditional Subsistence Patterns. Cell Reports, 2016, 14, 2142-2153.	6.4	231
9	Comparative Analyses of Vertebrate Gut Microbiomes Reveal Convergence between Birds and Bats. MBio, 2020, 11, .	4.1	204
10	Co-evolution in context: The importance of studying gut microbiomes in wild animals. Microbiome Science and Medicine, 2013, 1, .	0.3	138
11	Effect of preservation method on spider monkey (Ateles geoffroyi) fecal microbiota over 8weeks. Journal of Microbiological Methods, 2015, 113, 16-26.	1.6	118
12	Association of Flavonifractor plautii, a Flavonoid-Degrading Bacterium, with the Gut Microbiome of Colorectal Cancer Patients in India. MSystems, 2019, 4, .	3.8	109
13	Variable responses of human and non-human primate gut microbiomes to a Western diet. Microbiome, 2015, 3, 53.	11.1	108
14	Diet Versus Phylogeny: a Comparison of Gut Microbiota in Captive Colobine Monkey Species. Microbial Ecology, 2018, 75, 515-527.	2.8	106
15	Seasonal shifts in the gut microbiome indicate plastic responses to diet in wild geladas. Microbiome, 2021, 9, 26.	11.1	105
16	The role of gut microbes in satisfying the nutritional demands of adult and juvenile wild, black howler monkeys (<scp>A</scp>louatta pigra). American Journal of Physical Anthropology, 2014, 155, 652-664.	2.1	103
17	The gut microbiome of nonhuman primates: Lessons in ecology and evolution. American Journal of Primatology, 2018, 80, e22867.	1.7	100
18	The hygiene hypothesis, the COVID pandemic, and consequences for the human microbiome. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	100

#	Article	IF	Citations
19	Incorporating the gut microbiota into models of human and nonâ€human primate ecology and evolution. American Journal of Physical Anthropology, 2016, 159, 196-215.	2.1	99
20	Host age, social group, and habitat type influence the gut microbiota of wild ringâ€tailed lemurs (Lemur catta). American Journal of Primatology, 2016, 78, 883-892.	1.7	98
21	Phylogenetic and ecological factors impact the gut microbiota of two Neotropical primate species. Oecologia, 2016, 180, 717-733.	2.0	91
22	Patterns of seasonality and group membership characterize the gut microbiota in a longitudinal study of wild Verreaux's sifakas (Propithecus verreauxi). Ecology and Evolution, 2017, 7, 5732-5745.	1.9	90
23	The human gut microbiome and health inequities. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	82
24	Host specificity of the gut microbiome. Nature Reviews Microbiology, 2021, 19, 639-653.	28.6	77
25	Using the gut microbiota as a novel tool for examining colobine primate GI health. Global Ecology and Conservation, 2016, 7, 225-237.	2.1	76
26	Patterns in Gut Microbiota Similarity Associated with Degree of Sociality among Sex Classes of a Neotropical Primate. Microbial Ecology, 2017, 74, 250-258.	2.8	70
27	Social behaviour and gut microbiota in redâ€bellied lemurs (<scp>E</scp>ulemur rubriventer): In search of the role of immunity in the evolution of sociality. Journal of Animal Ecology, 2018, 87, 388-399.	2.8	57
28	Convergence of human and Old World monkey gut microbiomes demonstrates the importance of human ecology over phylogeny. Genome Biology, 2019, 20, 201.	8.8	57
29	The effect of captivity on the primate gut microbiome varies with host dietary niche. American Journal of Primatology, 2019, 81, e23061.	1.7	56
30	Gut microbiota in wild and captive Guizhou snubâ€nosed monkeys, Rhinopithecus brelichi. American Journal of Primatology, 2019, 81, e22989.	1.7	55
31	Analysis of the hydrogenotrophic microbiota of wild and captive black howler monkeys (Alouatta) Tj ETQq1 1 0.784314 rgBT /Over	1.7	47
32	Nutrition and foraging strategies of the black howler monkey (Alouatta pigra) in Palenque National Park, Mexico. American Journal of Primatology, 2014, 76, 774-787.	1.7	45
33	Reproductive hormones mediate changes in the gut microbiome during pregnancy and lactation in Phayreâ€™s leaf monkeys. Scientific Reports, 2020, 10, 9961.	3.3	44
34	Plasticity in the Human Gut Microbiome Defies Evolutionary Constraints. MSphere, 2019, 4, .	2.9	40
35	Influence of fruit and invertebrate consumption on the gut microbiota of wild whiteâ€faced capuchins (Cebus capucinus). American Journal of Physical Anthropology, 2018, 165, 576-588.	2.1	36
36	The microbial reproductive ecology of whiteâ€faced capuchins (Cebus capucinus). American Journal of Primatology, 2018, 80, e22896.	1.7	36

#	Article	IF	Citations
37	Biodiversity of protists and nematodes in the wild nonhuman primate gut. ISME Journal, 2020, 14, 609-622.	9.8	32
38	Effects of field conditions on fecal microbiota. Journal of Microbiological Methods, 2016, 130, 180-188.	1.6	28
39	An introduction to microbiome analysis for human biology applications. American Journal of Human Biology, 2017, 29, e22931.	1.6	22
40	Predigestion as an Evolutionary Impetus for Human Use of Fermented Food. Current Anthropology, 2021, 62, S207-S219.	1.6	22
41	Shifting Climates, Foods, and Diseases: The Human Microbiome through Evolution. BioEssays, 2019, 41, e1900034.	2.5	21
42	Leveraging non-human primates for exploring the social transmission of microbes. Current Opinion in Microbiology, 2019, 50, 8-14.	5.1	18
43	Infant Skin Bacterial Communities Vary by Skin Site and Infant Age across Populations in Mexico and the United States. MSystems, 2020, 5, .	3.8	16
44	Fermented food consumption in wild nonhuman primates and its ecological drivers. American Journal of Physical Anthropology, 2021, 175, 513-530.	2.1	16
45	Captivity Is Associated With Gut Mycobiome Composition in Tibetan Macaques (Macaca thibetana). Frontiers in Microbiology, 2021, 12, 665853.	3.5	16
46	Gut microbiome, diet, and conservation of endangered langurs in Sri Lanka. Biotropica, 2020, 52, 981-990.	1.6	14
47	The Internal, External and Extended Microbiomes of Hominins. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	14
48	A Comparison of Scan and Focal Sampling for the Description of Wild Primate Activity, Diet and Intragroup Spatial Relationships. Folia Primatologica, 2013, 84, 87-101.	0.7	13
49	A multi-disciplinary comparison of great ape gut microbiota in a central African forest and European zoo. Scientific Reports, 2020, 10, 19107.	3.3	13
50	Butyrate Production Pathway Abundances Are Similar in Human and Nonhuman Primate Gut Microbiomes. Molecular Biology and Evolution, 2022, 39, .	8.9	13
51	Multidisciplinarity in Microbiome Research: A Challenge and Opportunity to Rethink Causation, Variability, and Scale. BioEssays, 2019, 41, e1900007.	2.5	12
52	Assessing the comparability of different DNA extraction and amplification methods in gut microbial community profiling. Access Microbiology, 2019, 1, e000060.	0.5	10
53	The Howler Monkey as a Model for Exploring Host-Gut Microbiota Interactions in Primates. , 2015, , 229-258.		8
54	Metabolomic data suggest regulation of black howler monkey (Alouatta pigra) diet composition at the molecular level. American Journal of Primatology, 2017, 79, 1-10.	1.7	8

#	Article	IF	Citations
55	Comparing different sample collection and storage methods for fieldâ€based skin microbiome research. American Journal of Human Biology, 2022, 34, e23584.	1.6	8
56	The relationship between pinworm (Trypanoxyuris) infection and gut bacteria in wild black howler monkeys (Alouatta pigra). American Journal of Primatology, 2021, 83, e23330.	1.7	7
57	Specialised digestive adaptations within the hindgut of a colobine monkey. Innovation(China), 2022, 3, 100207.	9.1	6
58	The chemical landscape of tropical mammals in the Anthropocene. Biological Conservation, 2022, 269, 109522.	4.1	6
59	The gut microbiome as an indicator of habitat disturbance in a Critically Endangered lemur. Bmc Ecology and Evolution, 2021, 21, 222.	1.6	6
60	Host genetics influence the gut microbiome. Science, 2021, 373, 159-160.	12.6	5
61	Relationships Between Migration and Microbiome Composition and Diversity in Urban Canada Geese. Frontiers in Ecology and Evolution, 2022, 10, .	2.2	5
62	Missing Links: the Role of Primates in Understanding the Human Microbiome. MSystems, 2019, 4, .	3.8	4
63	The faecal metabolome of black howler monkeys (Alouatta pigra) varies in response to seasonal dietary changes. Molecular Ecology, 2022, 31, 4146-4161.	3.9	4
64	Effects of anthropogenic habitat disturbance and Giardia duodenalis infection on a sentinel species' gut bacteria. Ecology and Evolution, 2021, 11, 45-57.	1.9	3
65	Assessing the Influence of Environmental Sources on the Gut Mycobiome of Tibetan Macaques. Frontiers in Microbiology, 2021, 12, 730477.	3.5	3
66	Phylosymbiosis, diet and gut microbiome-associated metabolic disease. Evolution, Medicine and Public Health, 2020, 2020, 100-101.	2.5	1
67	Platyrrhine Diet. , 2018, , 1-6.		1
68	Environmental Stress and the Primate Microbiome: Glucocorticoids Contribute to Structure Gut Bacterial Communities of Black Howler Monkeys in Anthropogenically Disturbed Forest Fragments. Frontiers in Ecology and Evolution, 0, 10, .	2.2	1
69	Moving forward with the primate microbiome: Introduction to a special issue of the American Journal of Primatology. American Journal of Primatology, 2019, 81, e23060.	1.7	0
70	The Vervet Microbiome. , 2019, , 71-78.		0
71	Platyrrhine Diet. , 2022, , 5362-5367.		0