Rachel N Carmody

List of Publications by Citations

28 papers	7,799 citations	16 h-index	33 g-index
33 ext. papers	9,957 ext. citations	12.3 avg, IF	5.89 L-index

#	Paper	IF	Citations
28	Diet rapidly and reproducibly alters the human gut microbiome. *Nature*, **2014**, 505, 559-63	50.4	5264
27	Diet dominates host genotype in shaping the murine gut microbiota. *Cell Host and Microbe*, **2015**, 17, 72-84	23.4	658
26	Dietary Polyphenols Promote Growth of the Gut Bacterium Akkermansia muciniphila and Attenuate High-Fat Diet-Induced Metabolic Syndrome. *Diabetes*, **2015**, 64, 2847-58	0.9	393
25	The microbial pharmacists within us: a metagenomic view of xenobiotic metabolism. *Nature Reviews Microbiology*, **2016**, 14, 273-87	22.2	382
24	The energetic significance of cooking. *Journal of Human Evolution*, **2009**, 57, 379-91	3.1	255
23	Host-microbial interactions in the metabolism of therapeutic and diet-derived xenobiotics. *Journal of Clinical Investigation*, **2014**, 124, 4173-81	15.9	170
22	Human adaptation to the control of fire. *Evolutionary Anthropology*, **2010**, 19, 187-199	4.7	147
21	Energetic consequences of thermal and nonthermal food processing. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 19199-203	11.5	135
20	Cooking shapes the structure and function of the gut microbiome. *Nature Microbiology*, **2019**, 4, 2052-2063	26.6	66
19	Cooking and grinding reduces the cost of meat digestion. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2007**, 148, 651-6	2.6	57
18	Microbial transmission in animal social networks and the social microbiome. *Nature Ecology and Evolution*, **2020**, 4, 1020-1035	12.3	47
17	Grape proanthocyanidin-induced intestinal bloom of Akkermansia muciniphila is dependent on its baseline abundance and precedes activation of host genes related to metabolic health. *Journal of Nutritional Biochemistry*, **2018**, 56, 142-151	6.3	41
16	Cooking increases net energy gain from a lipid-rich food. *American Journal of Physical Anthropology*, **2015**, 156, 11-8	2.5	31
15	The role of the microbiome in the neurobiology of social behaviour. *Biological Reviews*, **2020**, 95, 1131-1166	13.5	30
14	The significance of cooking for early hominin scavenging. *Journal of Human Evolution*, **2015**, 84, 62-70	3.1	25
13	Genetic Evidence of Human Adaptation to a Cooked Diet. *Genome Biology and Evolution*, **2016**, 8, 1091-1103	3.9	21
12	Gut microbes make for fattier fish. *Cell Host and Microbe*, **2012**, 12, 259-61	23.4	14

List of Publications

11	Effects of domestication on the gut microbiota parallel those of human industrialization. *ELife*, **2021**, 10,	8.9	14
10	Age Patterning in Wild Chimpanzee Gut Microbiota Diversity Reveals Differences from Humans in Early Life. *Current Biology*, **2021**, 31, 613-620.e3	6.3	11
9	Thinking Outside the Cereal Box: Noncarbohydrate Routes for Dietary Manipulation of the Gut Microbiota. *Applied and Environmental Microbiology*, **2019**, 85,	4.8	10
8	The gut microbiome as a biomarker of differential susceptibility to SARS-CoV-2. *Trends in Molecular Medicine*, **2021**, 27, 1115-1134	11.5	5
7	Gut microbiota through an evolutionary lens. *Science*, **2021**, 372, 462-463	33.3	5
6	A statistical model for describing and simulating microbial community profiles. *PLoS Computational Biology*, **2021**, 17, e1008913	5	5
5	Insights From a Short-Term Protein-Calorie Restriction Exploratory Trial in Elective Carotid Endarterectomy Patients. *Vascular and Endovascular Surgery*, **2019**, 53, 470-476	1.4	4
4	Host-microbial interactions in the metabolism of different dietary fats. *Cell Metabolism*, **2021**, 33, 857-872	24.6	3
3	Gut Microbiota Predicts Healthy Late-Life Aging in Male Mice. *Nutrients*, **2021**, 13,	6.7	3
2	Parallel signatures of mammalian domestication and human industrialization in the gut microbiota		2
1	Working out the bugs: microbial modulation of athletic performance. *Nature Metabolism*, **2019**, 1, 658-659	14.6	1