Rachel N Carmody

List of Publications by Year
in descending order

28	11,315	331538 21	526166 27
papers	citations	h-index	g-index

33	33	33	17309
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Diet rapidly and reproducibly alters the human gut microbiome. Nature, 2014, 505, 559-563.	13.7	7,592
2	Diet Dominates Host Genotype in Shaping the Murine Gut Microbiota. Cell Host and Microbe, 2015, 17, 72-84.	5.1	941
3	The microbial pharmacists within us: a metagenomic view of xenobiotic metabolism. Nature Reviews Microbiology, 2016, 14, 273-287.	13.6	552
4	Dietary Polyphenols Promote Growth of the Gut Bacterium Akkermansia muciniphila and Attenuate High-Fat Dietâ€“Induced Metabolic Syndrome. Diabetes, 2015, 64, 2847-2858.	0.3	526
5	The energetic significance of cooking. Journal of Human Evolution, 2009, 57, 379-391.	1.3	326
6	Host-microbial interactions in the metabolism of therapeutic and diet-derived xenobiotics. Journal of Clinical Investigation, 2014, 124, 4173-4181.	3.9	211
7	Human adaptation to the control of fire. Evolutionary Anthropology, 2010, 19, 187-199.	1.7	187
8	Energetic consequences of thermal and nonthermal food processing. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19199-19203.	3.3	166
9	Microbial transmission in animal social networks and the social microbiome. Nature Ecology and Evolution, 2020, 4, 1020-1035.	3.4	122
10	Cooking shapes the structure and function of the gut microbiome. Nature Microbiology, 2019, 4, 2052-2063.	5.9	112
11	Cooking and grinding reduces the cost of meat digestion. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 148, 651-656.	0.8	72
12	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.	1.9	72
13	The role of the microbiome in the neurobiology of social behaviour. Biological Reviews, 2020, 95, 1131-1166.	4.7	72
14	Cooking increases net energy gain from a lipidâ€rich food. American Journal of Physical Anthropology, 2015, 156, 11-18.	2.1	42
15	Effects of domestication on the gut microbiota parallel those of human industrialization. ELife, 2021, 10, .	2.8	42
16	The significance of cooking for early hominin scavenging. Journal of Human Evolution, 2015, 84, 62-70.	1.3	38
17	The gut microbiome as a biomarker of differential susceptibility to SARS-CoV-2. Trends in Molecular Medicine, 2021, 27, 1115-1134.	3.5	37
18	Age Patterning in Wild Chimpanzee Gut Microbiota Diversity Reveals Differences from Humans in Early Life. Current Biology, 2021, 31, 613-620.e3.	1.8	31

#	Article	IF	Citations
19	Genetic Evidence of Human Adaptation to a Cooked Diet. Genome Biology and Evolution, 2016, 8, 1091-1103.	1.1	29
20	Gut microbiota through an evolutionary lens. Science, 2021, 372, 462-463.	6.0	29
21	Host-microbial interactions in the metabolism of different dietary fats. Cell Metabolism, 2021, 33, 857-872.	7.2	29
22	A statistical model for describing and simulating microbial community profiles. PLoS Computational Biology, 2021, 17, e1008913.	1.5	21
23	Gut Microbes Make for Fattier Fish. Cell Host and Microbe, 2012, 12, 259-261.	5.1	18
24	Thinking Outside the Cereal Box: Noncarbohydrate Routes for Dietary Manipulation of the Gut Microbiota. Applied and Environmental Microbiology, 2019, 85, .	1.4	14
25	Insights From a Short-Term Proteinâ€“Calorie Restriction Exploratory Trial in Elective Carotid Endarterectomy Patients. Vascular and Endovascular Surgery, 2019, 53, 470-476.	0.3	11
26	Gut Microbiota Predicts Healthy Late-Life Aging in Male Mice. Nutrients, 2021, 13, 3290.	1.7	10
27	Working out the bugs: microbial modulation of athletic performance. Nature Metabolism, 2019, 1, 658-659.	5.1	2
28	Influences of the Control of Fire on the Energy Value and Composition of the Human Diet. , 0, , .		0