

# Rachel N Carmody

## 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.

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	The gut microbiome as a biomarker of differential susceptibility to SARS-CoV-2. <i>Trends in Molecular Medicine</i> , <b>2021</b> , 27, 1115-1134	11.5	5
27	Effects of domestication on the gut microbiota parallel those of human industrialization. <i>ELife</i> , <b>2021</b> , 10,	8.9	14
26	Gut microbiota through an evolutionary lens. <i>Science</i> , <b>2021</b> , 372, 462-463	33.3	5
25	Host-microbial interactions in the metabolism of different dietary fats. <i>Cell Metabolism</i> , <b>2021</b> , 33, 857-872.	24.6	3
24	Age Patterning in Wild Chimpanzee Gut Microbiota Diversity Reveals Differences from Humans in Early Life. <i>Current Biology</i> , <b>2021</b> , 31, 613-620.e3	6.3	11
23	A statistical model for describing and simulating microbial community profiles. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1008913	5	5
22	Gut Microbiota Predicts Healthy Late-Life Aging in Male Mice. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	3
21	The role of the microbiome in the neurobiology of social behaviour. <i>Biological Reviews</i> , <b>2020</b> , 95, 1131-1165	16.5	30
20	Microbial transmission in animal social networks and the social microbiome. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 1020-1035	12.3	47
19	Insights From a Short-Term Protein-Calorie Restriction Exploratory Trial in Elective Carotid Endarterectomy Patients. <i>Vascular and Endovascular Surgery</i> , <b>2019</b> , 53, 470-476	1.4	4
18	Working out the bugs: microbial modulation of athletic performance. <i>Nature Metabolism</i> , <b>2019</b> , 1, 658-659.	1.6	1
17	Cooking shapes the structure and function of the gut microbiome. <i>Nature Microbiology</i> , <b>2019</b> , 4, 2052-2063.	16.6	66
16	Thinking Outside the Cereal Box: Noncarbohydrate Routes for Dietary Manipulation of the Gut Microbiota. <i>Applied and Environmental Microbiology</i> , <b>2019</b> , 85,	4.8	10
15	Grape proanthocyanidin-induced intestinal bloom of <i>Akkermansia muciniphila</i> is dependent on its baseline abundance and precedes activation of host genes related to metabolic health. <i>Journal of Nutritional Biochemistry</i> , <b>2018</b> , 56, 142-151	6.3	41
14	Genetic Evidence of Human Adaptation to a Cooked Diet. <i>Genome Biology and Evolution</i> , <b>2016</b> , 8, 1091-1093	10.3	21
13	The microbial pharmacists within us: a metagenomic view of xenobiotic metabolism. <i>Nature Reviews Microbiology</i> , <b>2016</b> , 14, 273-87	22.2	382
12	The significance of cooking for early hominin scavenging. <i>Journal of Human Evolution</i> , <b>2015</b> , 84, 62-70	3.1	25

11	Dietary Polyphenols Promote Growth of the Gut Bacterium <i>Akkermansia muciniphila</i> and Attenuate High-Fat Diet-Induced Metabolic Syndrome. <i>Diabetes</i> , <b>2015</b> , 64, 2847-58	0.9	393
10	Diet dominates host genotype in shaping the murine gut microbiota. <i>Cell Host and Microbe</i> , <b>2015</b> , 17, 72-84	23.4	658
9	Cooking increases net energy gain from a lipid-rich food. <i>American Journal of Physical Anthropology</i> , <b>2015</b> , 156, 11-8	2.5	31
8	Diet rapidly and reproducibly alters the human gut microbiome. <i>Nature</i> , <b>2014</b> , 505, 559-63	50.4	5264
7	Host-microbial interactions in the metabolism of therapeutic and diet-derived xenobiotics. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 4173-81	15.9	170
6	Gut microbes make for fattier fish. <i>Cell Host and Microbe</i> , <b>2012</b> , 12, 259-61	23.4	14
5	Energetic consequences of thermal and nonthermal food processing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 19199-203	11.5	135
4	Human adaptation to the control of fire. <i>Evolutionary Anthropology</i> , <b>2010</b> , 19, 187-199	4.7	147
3	The energetic significance of cooking. <i>Journal of Human Evolution</i> , <b>2009</b> , 57, 379-91	3.1	255
2	Cooking and grinding reduces the cost of meat digestion. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2007</b> , 148, 651-6	2.6	57
1	Parallel signatures of mammalian domestication and human industrialization in the gut microbiota		2