

# Buck S Samuel

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

8,561  
citations

687363

13  
h-index

839539

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

11997  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interleukin-1 $\beta$ secretion induced by mucosa-associated gut commensal bacteria promotes intestinal barrier repair. <i>Gut Microbes</i> , 2022, 14, 2014772.	9.8	23
2	Population scale nucleic acid delivery to <i>Caenorhabditis elegans</i> via electroporation. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	4
3	Natural genetic variation drives microbiome selection in the <i>Caenorhabditis elegans</i> gut. <i>Current Biology</i> , 2021, 31, 2603-2618.e9.	3.9	48
4	Skin-penetrating nematodes exhibit life-stage-specific interactions with host-associated and environmental bacteria. <i>BMC Biology</i> , 2021, 19, 221.	3.8	5
5	Modulation of sensory perception by hydrogen peroxide enables <i>Caenorhabditis elegans</i> to find a niche that provides both food and protection from hydrogen peroxide. <i>PLoS Pathogens</i> , 2021, 17, e1010112.	4.7	7
6	CeMbio - The <i>Caenorhabditis elegans</i> Microbiome Resource. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 3025-3039.	1.8	96
7	High-Throughput Assessment of Changes in the <i>Caenorhabditis elegans</i> Gut Microbiome. <i>Methods in Molecular Biology</i> , 2020, 2144, 131-144.	0.9	2
8	The Devil Is in the Microbial Genetic Details. <i>Molecular Cell</i> , 2019, 74, 1108-1109.	9.7	0
9	<i>Caenorhabditis elegans</i> as a Model for Microbiome Research. <i>Frontiers in Microbiology</i> , 2017, 8, 485.	3.5	177
10	<i>Escherichia coli</i> DNA ligase B may mitigate damage from oxidative stress. <i>PLoS ONE</i> , 2017, 12, e0180800.	2.5	4
11	Influence of maternal breast milk ingestion on acquisition of the intestinal microbiome in preterm infants. <i>Microbiome</i> , 2016, 4, 68.	11.1	155
12	<i>Caenorhabditis elegans</i> responses to bacteria from its natural habitats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3941-9.	7.1	317
13	Associations with rhizosphere bacteria can confer an adaptive advantage to plants. <i>Nature Plants</i> , 2015, 1, .	9.3	345
14	<i>Caenorhabditis elegans</i> pathways that surveil and defend mitochondria. <i>Nature</i> , 2014, 508, 406-410.	27.8	260
15	Effects of the gut microbiota on host adiposity are modulated by the short-chain fatty-acid binding G protein-coupled receptor, Gpr41. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16767-16772.	7.1	1,279
16	Genomic and metabolic adaptations of <i>Methanobrevibacter smithii</i> to the human gut. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10643-10648.	7.1	451
17	Metagenomic Analysis of the Human Distal Gut Microbiome. <i>Science</i> , 2006, 312, 1355-1359.	12.6	3,964
18	A humanized gnotobiotic mouse model of host-archaeal-bacterial mutualism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10011-10016.	7.1	584

#	ARTICLE	IF	CITATIONS
19	From The Cover: Gnotobiotic zebrafish reveal evolutionarily conserved responses to the gut microbiota. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4596-4601.	7.1	840