

# Andrei L Osterman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4220593/publications.pdf>

Version: 2024-02-01

48  
papers

15,460  
citations

185998

28  
h-index

243296

44  
g-index

50  
all docs

50  
docs citations

50  
times ranked

20521  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Bifidobacterium infantis</i> treatment promotes weight gain in Bangladeshi infants with severe acute malnutrition. <i>Science Translational Medicine</i> , 2022, 14, eabk1107.	5.8	61
2	Reduced AIBP expression in bronchial epithelial cells of asthmatic patients: Potential therapeutic target. <i>Clinical and Experimental Allergy</i> , 2022, 52, 979-984.	1.4	0
3	Products of gut microbial Toll/interleukin-1 receptor domain NADase activities in gnotobiotic mice and Bangladeshi children with malnutrition. <i>Cell Reports</i> , 2022, 39, 110738.	2.9	13
4	Microbial liberation of N-methylserotonin from orange fiber in gnotobiotic mice and humans. <i>Cell</i> , 2022, 185, 2495-2509.e11.	13.5	26
5	A deimmunized and pharmacologically optimized Toll-like receptor 5 agonist for therapeutic applications. <i>Communications Biology</i> , 2021, 4, 466.	2.0	12
6	Experimental evolution in morbidostat reveals converging genomic trajectories on the path to triclosan resistance. <i>Microbial Genomics</i> , 2021, 7, .	1.0	13
7	Binary Metabolic Phenotypes and Phenotype Diversity Metrics for the Functional Characterization of Microbial Communities. <i>Frontiers in Microbiology</i> , 2021, 12, 653314.	1.5	5
8	The deacylase SIRT5 supports melanoma viability by influencing chromatin dynamics. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	23
9	Evaluating microbiome-directed fibre snacks in gnotobiotic mice and humans. <i>Nature</i> , 2021, 595, 91-95.	13.7	70
10	Shared and Unique Evolutionary Trajectories to Ciprofloxacin Resistance in Gram-Negative Bacterial Pathogens. <i>MBio</i> , 2021, 12, e0098721.	1.8	11
11	Lineage-Restricted Regulation of SCD and Fatty Acid Saturation by MITF Controls Melanoma Phenotypic Plasticity. <i>Molecular Cell</i> , 2020, 77, 120-137.e9.	4.5	87
12	Duodenal Microbiota in Stunted Undernourished Children with Enteropathy. <i>New England Journal of Medicine</i> , 2020, 383, 321-333.	13.9	105
13	Lactose-reduced infant formula with added corn syrup solids is associated with a distinct gut microbiota in Hispanic infants. <i>Gut Microbes</i> , 2020, 12, 1813534.	4.3	18
14	B Vitamins and Their Role in Immune Regulation and Cancer. <i>Nutrients</i> , 2020, 12, 3380.	1.7	129
15	Combined Prebiotic and Microbial Intervention Improves Oral Cholera Vaccination Responses in a Mouse Model of Childhood Undernutrition. <i>Cell Host and Microbe</i> , 2020, 27, 899-908.e5.	5.1	38
16	Complete and Draft Genome Sequences of 12 Plant-Associated <i>Rhizobium</i> Strains of Known and Putative New Species. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	8
17	Tetracenomycin X inhibits translation by binding within the ribosomal exit tunnel. <i>Nature Chemical Biology</i> , 2020, 16, 1071-1077.	3.9	43
18	Identifying determinants of bacterial fitness in a model of human gut microbial succession. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2622-2633.	3.3	29

#	ARTICLE	IF	CITATIONS
19	Effects of microbiota-directed foods in gnotobiotic animals and undernourished children. <i>Science</i> , 2019, 365, .	6.0	305
20	A sparse covarying unit that describes healthy and impaired human gut microbiota development. <i>Science</i> , 2019, 365, .	6.0	136
21	B-Vitamin Sharing Promotes Stability of Gut Microbial Communities. <i>Frontiers in Microbiology</i> , 2019, 10, 1485.	1.5	86
22	Bioremediation of a Common Product of Food Processing by a Human Gut Bacterium. <i>Cell Host and Microbe</i> , 2019, 26, 463-477.e8.	5.1	43
23	A novel small molecule that kills a subset of MLL-rearranged leukemia cells by inducing mitochondrial dysfunction. <i>Oncogene</i> , 2019, 38, 3824-3842.	2.6	17
24	Micronutrient Requirements and Sharing Capabilities of the Human Gut Microbiome. <i>Frontiers in Microbiology</i> , 2019, 10, 1316.	1.5	113
25	Novel Antimycobacterial Compounds Suppress NAD Biogenesis by Targeting a Unique Pocket of NaMN Adenylyltransferase. <i>ACS Chemical Biology</i> , 2019, 14, 949-958.	1.6	15
26	Targeting the Warburg effect via <sc>LDHA</sc> inhibition engages <sc>ATF</sc> 4 signaling for cancer cell survival. <i>EMBO Journal</i> , 2018, 37, .	3.5	103
27	Prediction of enzymatic pathways by integrative pathway mapping. <i>ELife</i> , 2018, 7, .	2.8	30
28	Underlying mechanisms for syntrophic metabolism of essential enzyme cofactors in microbial communities. <i>ISME Journal</i> , 2017, 11, 1434-1446.	4.4	123
29	Senescent cells expose and secrete an oxidized form of membrane-bound vimentin as revealed by a natural polyreactive antibody. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1668-E1677.	3.3	104
30	The effects of micronutrient deficiencies on bacterial species from the human gut microbiota. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	190
31	Gut bacteria that prevent growth impairments transmitted by microbiota from malnourished children. <i>Science</i> , 2016, 351, .	6.0	580
32	Regulation of Glutamine Carrier Proteins by RNF5 Determines Breast Cancer Response to ER Stress-Inducing Chemotherapies. <i>Cancer Cell</i> , 2015, 27, 354-369.	7.7	177
33	Arginylation regulates purine nucleotide biosynthesis by enhancing the activity of phosphoribosyl pyrophosphate synthase. <i>Nature Communications</i> , 2015, 6, 7517.	5.8	36
34	Genetic determinants of in vivo fitness and diet responsiveness in multiple human gut <i>Bacteroides</i>. <i>Science</i> , 2015, 350, aac5992.	6.0	229
35	Glutamate and asparagine cataplerosis underlie glutamine addiction in melanoma. <i>Oncotarget</i> , 2015, 6, 7379-7389.	0.8	68
36	Basis for substrate recognition and distinction by matrix metalloproteinases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4148-55.	3.3	75

#	ARTICLE	IF	CITATIONS
37	Polysaccharides utilization in human gut bacterium <i>Bacteroides thetaiotaomicron</i> : comparative genomics reconstruction of metabolic and regulatory networks. <i>BMC Genomics</i> , 2013, 14, 873.	1.2	122
38	Functional diversification of ROK-family transcriptional regulators of sugar catabolism in the Thermotogae phylum. <i>Nucleic Acids Research</i> , 2013, 41, 790-803.	6.5	44
39	<i>S. pyogenes</i> is reliant on salvage of host pyridine precursors for NAD synthesis: implications for pathogenesis and antibacterial intervention. <i>FASEB Journal</i> , 2012, 26, 978.11.	0.2	0
40	Comparative Metabolic Flux Profiling of Melanoma Cell Lines. <i>Journal of Biological Chemistry</i> , 2011, 286, 42626-42634.	1.6	274
41	Control of Proteobacterial Central Carbon Metabolism by the HexR Transcriptional Regulator. <i>Journal of Biological Chemistry</i> , 2011, 286, 35782-35794.	1.6	51
42	The RAST Server: Rapid Annotations using Subsystems Technology. <i>BMC Genomics</i> , 2008, 9, 75.	1.2	9,977
43	Comparative Approach to Analysis of Gene Essentiality. <i>Methods in Molecular Biology</i> , 2008, 416, 459-466.	0.4	5
44	Introduction: Advances in Genomics and Proteomics. <i>Chemical Reviews</i> , 2007, 107, 3363-3366.	23.0	9
45	A subsystems-based approach to the identification of drug targets in bacterial pathogens. , 2007, 64, 131-170.		30
46	A hidden metabolic pathway exposed. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5637-5638.	3.3	21
47	Caspase-Activating Protein Nalp1 Is Directly Suppressed by Bcl-2 and Bcl-XL. <i>Blood</i> , 2006, 108, 1430-1430.	0.6	0
48	The Subsystems Approach to Genome Annotation and its Use in the Project to Annotate 1000 Genomes. <i>Nucleic Acids Research</i> , 2005, 33, 5691-5702.	6.5	1,806