Peter Belenky

List of Publications by Year
in descending order

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39 papers	4,527 citations	257450 24 h-index	345221 36 g-index
43 all docs	43 docs citations	43 times ranked	6684 citing authors

#	Article	IF	Citations
1	NAD+ metabolism in health and disease. Trends in Biochemical Sciences, 2007, 32, 12-19.	7.5	808
2	Antibiotics induce redox-related physiological alterations as part of their lethality. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2100-9.	7.1	698
3	Antibiotic efficacy is linked to bacterial cellular respiration. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8173-8180.	7.1	544
4	Bactericidal Antibiotics Induce Toxic Metabolic Perturbations that Lead to Cellular Damage. Cell Reports, 2015, 13, 968-980.	6.4	393
5	Nicotinamide Riboside Promotes Sir2 Silencing and Extends Lifespan via Nrk and Urh1/Pnp1/Meu1 Pathways to NAD+. Cell, 2007, 129, 473-484.	28.9	351
6	Carbon Sources Tune Antibiotic Susceptibility in Pseudomonas aeruginosa via Tricarboxylic Acid Cycle Control. Cell Chemical Biology, 2017, 24, 195-206.	5.2	264
7	Guidelines and recommendations on yeast cell death nomenclature. Microbial Cell, 2018, 5, 4-31.	3.2	158
8	Fungicidal Drugs Induce a Common Oxidative-Damage Cellular Death Pathway. Cell Reports, 2013, 3, 350-358.	6.4	152
9	Nicotinamide Riboside Kinase Structures Reveal New Pathways to NAD+. PLoS Biology, 2007, 5, e263.	5.6	126
10	Reductions in anti-inflammatory gut bacteria are associated with depression in a sample of young adults. Brain, Behavior, and Immunity, 2020, 88, 308-324.	4.1	115
11	Cross-Domain and Viral Interactions in the Microbiome. Microbiology and Molecular Biology Reviews, 2019, 83, .	6.6	95
12	A role for the bacterial GATC methylome in antibiotic stress survival. Nature Genetics, 2016, 48, 581-586.	21.4	85
13	Nicotinamide Riboside and Nicotinic Acid Riboside Salvage in Fungi and Mammals. Journal of Biological Chemistry, 2009, 284, 158-164.	3.4	77
14	Microbial Community Analysis of Sauerkraut Fermentation Reveals a Stable and Rapidly Established Community. Foods, 2018, 7, 77.	4.3	73
15	Microbial Metabolism Modulates Antibiotic Susceptibility within the Murine Gut Microbiome. Cell Metabolism, 2019, 30, 800-823.e7.	16.2	70
16	Antibiotic Persistence as a Metabolic Adaptation: Stress, Metabolism, the Host, and New Directions. Pharmaceuticals, 2018, 11, 14.	3.8	54
17	Identification of Isn1 and Sdt1 as Glucose- and Vitamin-regulated Nicotinamide Mononucleotide and Nicotinic Acid Mononucleotide 5â€²-Nucleotidases Responsible for Production of Nicotinamide Riboside and Nicotinic Acid Riboside. Journal of Biological Chemistry, 2009, 284, 34861-34869.	3.4	51
18	Antioxidant Strategies to Tolerate Antibiotics. Science, 2011, 334, 915-916.	12.6	46

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19	Microbial competition between Escherichia coli and Candida albicans reveals a soluble fungicidal factor. Microbial Cell, 2018, 5, 249-255.	3.2	44
20	Urogenital schistosomiasis is associated with signatures of microbiome dysbiosis in Nigerian adolescents. Scientific Reports, 2019, 9, 829.	3.3	41
21	Metabolismâ€induced oxidative stress and DNA damage selectively trigger genome instability in polyploid fungal cells. EMBO Journal, 2019, 38, e101597.	7.8	41
22	The impact of vegan production on the kimchi microbiome. Food Microbiology, 2018, 74, 171-178.	4.2	37
23	The salivary microbiome is consistent between subjects and resistant to impacts of short-term hospitalization. Scientific Reports, 2017, 7, 11040.	3.3	34
24	Nrt1 and Tna1-Independent Export of NAD+ Precursor Vitamins Promotes NAD+ Homeostasis and Allows Engineering of Vitamin Production. PLoS ONE, 2011, 6, e19710.	2.5	33
25	Defining the Distinct Skin and Gut Microbiomes of the Northern Pike (Esox lucius). Frontiers in Microbiology, 2019, 10, 2118.	3.5	25
26	Consumption of a Western-Style Diet Modulates the Response of the Murine Gut Microbiome to Ciprofloxacin. MSystems, 2020, 5, .	3.8	23
27	Candida albicans Isolates 529L and CHN1 Exhibit Stable Colonization of the Murine Gastrointestinal Tract. MBio, 2021, 12, e0287821.	4.1	21
28	Metatranscriptomics Reveals Antibiotic-Induced Resistance Gene Expression in the Murine Gut Microbiota. Frontiers in Microbiology, 2020, 11, 322.	3.5	16
29	Streptozotocin-induced hyperglycemia alters the cecal metabolome and exacerbates antibiotic-induced dysbiosis. Cell Reports, 2021, 37, 110113.	6.4	11
30	Bactericidal antibiotics induce programmed metabolic toxicity. Microbial Cell, 2016, 3, 178-180.	3.2	10
31	Evaluation of the Microbiome in Men Taking Pre-exposure Prophylaxis for HIV Prevention. AIDS and Behavior, 2021, 25, 2005-2013.	2.7	9
32	Coinfection With Influenza A Virus and Klebsiella oxytoca: An Underrecognized Impact on Host Resistance and Tolerance to Pulmonary Infections. Frontiers in Immunology, 2018, 9, 2377.	4.8	7
33	Antimicrobial Resistance Gene Prevalence in a Population of Patients with Advanced Dementia Is Related to Specific Pathobionts. IScience, 2020, 23, 100905.	4.1	7
34	Coffee Consumption Modulates Amoxicillin-Induced Dysbiosis in the Murine Gut Microbiome. Frontiers in Microbiology, 2021, 12, 637282.	3.5	5
35	Oxygen and Metabolism: Digesting Determinants of Antibiotic Susceptibility in the Gut. IScience, 2020, 23, 101875.	4.1	1
36	Genotoxic Agents Produce Stressor-Specific Spectra of Spectinomycin Resistance Mutations Based on Mechanism of Action and Selection in Bacillus subtilis. Antimicrobial Agents and Chemotherapy, 2021, 65, e0089121.	3.2	1

#	Article	IF	Citations
37	Checkpoint Proteins and the Microbiome: Changes in the Peritoneal and Terminal Ileum Microbiota in the Presence/Absence of Programmed Cell Death Receptor-1 in Murine Neonates. Journal of the American College of Surgeons, 2018, 227, S79-S80.	0.5	0
38	Filling a hole in ozone research: The impacts of early life microbiome alterations on pulmonary responses to a nonâ€atopic asthma trigger. Physiological Reports, 2020, 8, e14346.	1.7	0
39	Streptozotocin-Induced Hyperglycemia Is Associated with Unique Microbiome Metabolomic Signatures in Response to Ciprofloxacin Treatment. Antibiotics, 2022, 11, 585.	3.7	0