

# Alexander V Alekseyenko

## List of Publications by Citations

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77  
papers

6,499  
citations

26  
h-index

80  
g-index

84  
ext. papers

8,175  
ext. citations

8.7  
avg, IF

5.54  
L-index

#	Paper	IF	Citations
77	Altering the intestinal microbiota during a critical developmental window has lasting metabolic consequences. <i>Cell</i> , <b>2014</b> , 158, 705-721	56.2	1126
76	Antibiotics in early life alter the murine colonic microbiome and adiposity. <i>Nature</i> , <b>2012</b> , 488, 621-6	50.4	1095
75	Improving the accuracy of demographic and molecular clock model comparison while accommodating phylogenetic uncertainty. <i>Molecular Biology and Evolution</i> , <b>2012</b> , 29, 2157-67	8.3	779
74	Mapping the origins and expansion of the Indo-European language family. <i>Science</i> , <b>2012</b> , 337, 957-60	33.3	368
73	Human oral microbiome and prospective risk for pancreatic cancer: a population-based nested case-control study. <i>Gut</i> , <b>2018</b> , 67, 120-127	19.2	342
72	Cigarette smoking and the oral microbiome in a large study of American adults. <i>ISME Journal</i> , <b>2016</b> , 10, 2435-46	11.9	289
71	Enrichment of lung microbiome with supraglottic taxa is associated with increased pulmonary inflammation. <i>Microbiome</i> , <b>2013</b> , 1, 19	16.6	262
70	Community differentiation of the cutaneous microbiota in psoriasis. <i>Microbiome</i> , <b>2013</b> , 1, 31	16.6	245
69	Metabolic and metagenomic outcomes from early-life pulsed antibiotic treatment. <i>Nature Communications</i> , <b>2015</b> , 6, 7486	17.4	232
68	Antibiotic-mediated gut microbiome perturbation accelerates development of type 1 diabetes in mice. <i>Nature Microbiology</i> , <b>2016</b> , 1, 16140	26.6	209
67	Lupus nephritis is linked to disease-activity associated expansions and immunity to a gut commensal. <i>Annals of the Rheumatic Diseases</i> , <b>2019</b> , 78, 947-956	2.4	126
66	A comprehensive evaluation of multcategory classification methods for microbiomic data. <i>Microbiome</i> , <b>2013</b> , 1, 11	16.6	103
65	Global analysis of exon creation versus loss and the role of alternative splicing in 17 vertebrate genomes. <i>Rna</i> , <b>2007</b> , 13, 661-70	5.8	98
64	Drinking alcohol is associated with variation in the human oral microbiome in a large study of American adults. <i>Microbiome</i> , <b>2018</b> , 6, 59	16.6	91
63	Cutaneous microbiome effects of fluticasone propionate cream and adjunctive bleach baths in childhood atopic dermatitis. <i>Journal of the American Academy of Dermatology</i> , <b>2016</b> , 75, 481-493.e8	4.5	84
62	The ASAP II database: analysis and comparative genomics of alternative splicing in 15 animal species. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, D93-8	20.1	84
61	The RAG2 C terminus suppresses genomic instability and lymphomagenesis. <i>Nature</i> , <b>2011</b> , 471, 119-23	50.4	78

60	Evidence for a subpopulation of conserved alternative splicing events under selection pressure for protein reading frame preservation. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, 1261-9	20.1	69
59	PERMANOVA-S: association test for microbial community composition that accommodates confounders and multiple distances. <i>Bioinformatics</i> , <b>2016</b> , 32, 2618-25	7.2	63
58	Quantitation and composition of cutaneous microbiota in diabetic and nondiabetic men. <i>Journal of Infectious Diseases</i> , <b>2013</b> , 207, 1105-14	7	63
57	Wagner and Dollo: a stochastic duet by composing two parsimonious solos. <i>Systematic Biology</i> , <b>2008</b> , 57, 772-84	8.4	63
56	Microbiomic signatures of psoriasis: feasibility and methodology comparison. <i>Scientific Reports</i> , <b>2013</b> , 3, 2620	4.9	60
55	The nonfermentable dietary fiber hydroxypropyl methylcellulose modulates intestinal microbiota. <i>FASEB Journal</i> , <b>2013</b> , 27, 692-702	0.9	59
54	Testing spatiotemporal hypothesis of bacterial evolution using methicillin-resistant <i>Staphylococcus aureus</i> ST239 genome-wide data within a bayesian framework. <i>Molecular Biology and Evolution</i> , <b>2011</b> , 28, 1593-603	8.3	51
53	Nested Containment List (NCList): a new algorithm for accelerating interval query of genome alignment and interval databases. <i>Bioinformatics</i> , <b>2007</b> , 23, 1386-93	7.2	42
52	Systemic Lupus Erythematosus and dysbiosis in the microbiome: cause or effect or both?. <i>Current Opinion in Immunology</i> , <b>2019</b> , 61, 80-85	7.8	27
51	A Link Between Plasma Microbial Translocation, Microbiome, and Autoantibody Development in First-Degree Relatives of Systemic Lupus Erythematosus Patients. <i>Arthritis and Rheumatology</i> , <b>2019</b> , 71, 1858-1868	9.5	26
50	Antibiotic Perturbation of Gut Microbiota Dysregulates Osteoimmune Cross Talk in Postpubertal Skeletal Development. <i>American Journal of Pathology</i> , <b>2019</b> , 189, 370-390	5.8	23
49	Strategic applications of gene expression: from drug discovery/development to bedside. <i>AAPS Journal</i> , <b>2013</b> , 15, 427-37	3.7	22
48	Simrank: Rapid and sensitive general-purpose k-mer search tool. <i>BMC Ecology</i> , <b>2011</b> , 11, 11	2.7	21
47	Phylogenetic analysis of glucosyltransferases and implications for the coevolution of mutans streptococci with their mammalian hosts. <i>PLoS ONE</i> , <b>2013</b> , 8, e56305	3.7	19
46	Multivariate Welch t-test on distances. <i>Bioinformatics</i> , <b>2016</b> , 32, 3552-3558	7.2	19
45	Tumor-Infiltrating Lymphocytes and Colorectal Cancer Survival in African American and Caucasian Patients. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2018</b> , 27, 755-761	4	19
44	Effect of antibiotic pre-treatment and pathogen challenge on the intestinal microbiota in mice. <i>Gut Pathogens</i> , <b>2016</b> , 8, 60	5.4	18
43	A general framework for association analysis of microbial communities on a taxonomic tree. <i>Bioinformatics</i> , <b>2017</b> , 33, 1278-1285	7.2	17

42	W -test: robust distance-based multivariate analysis of variance. <i>Microbiome</i> , <b>2019</b> , 7, 51	16.6	15
41	Longitudinal changes during pregnancy in gut microbiota and methylmercury biomarkers, and reversal of microbe-exposure correlations. <i>Environmental Research</i> , <b>2019</b> , 172, 700-712	7.9	14
40	A single strain of <i>Bacteroides fragilis</i> protects gut integrity and reduces GVHD. <i>JCI Insight</i> , <b>2021</b> , 6,	9.9	14
39	Comparative genomics of oral isolates of <i>Streptococcus mutans</i> by in silico genome subtraction does not reveal accessory DNA associated with severe early childhood caries. <i>Infection, Genetics and Evolution</i> , <b>2014</b> , 21, 269-78	4.5	13
38	Causal graph-based analysis of genome-wide association data in rheumatoid arthritis. <i>Biology Direct</i> , <b>2011</b> , 6, 25	7.2	13
37	The Influences of Bioinformatics Tools and Reference Databases in Analyzing the Human Oral Microbial Community. <i>Genes</i> , <b>2020</b> , 11,	4.2	13
36	Distinct systemic microbiome and microbial translocation are associated with plasma level of anti-CD4 autoantibody in HIV infection. <i>Scientific Reports</i> , <b>2018</b> , 8, 12863	4.9	13
35	Systemic translocation of <i>Staphylococcus</i> drives autoantibody production in HIV disease. <i>Microbiome</i> , <b>2019</b> , 7, 25	16.6	11
34	The Gut Microbiome and Xenobiotics: Identifying Knowledge Gaps. <i>Toxicological Sciences</i> , <b>2020</b> , 176, 1-10	4.4	11
33	Accurate stochastic simulation via the step anticipation tau-leaping (SAL) algorithm. <i>Journal of Computational Biology</i> , <b>2009</b> , 16, 1195-208	1.7	10
32	Diversity of 5S rRNA genes within individual prokaryotic genomes. <i>FEMS Microbiology Letters</i> , <b>2012</b> , 335, 11-8	2.9	9
31	Abstract 101: Pilot study of oral microbiome and risk of pancreatic cancer. <b>2013</b> ,		9
30	MODIMA, a Method for Multivariate Omnibus Distance Mediation Analysis, Allows for Integration of Multivariate Exposure-Mediator-Response Relationships. <i>Genes</i> , <b>2019</b> , 10,	4.2	6
29	Abstract 4350: Human oral microbiome and prospective risk for pancreatic cancer: a population based, nested case control study <b>2016</b> ,		6
28	Platelet and hemoglobin count at diagnosis are associated with survival in African American and Caucasian patients with colorectal cancer. <i>Cancer Epidemiology</i> , <b>2020</b> , 67, 101746	2.8	6
27	BioSimulator.jl: Stochastic simulation in Julia. <i>Computer Methods and Programs in Biomedicine</i> , <b>2018</b> , 167, 23-35	6.9	6
26	OHMI: the ontology of host-microbiome interactions. <i>Journal of Biomedical Semantics</i> , <b>2019</b> , 10, 25	2.2	4
25	Enrichment of Lung Microbiome with Supraglottic Microbes Is Associated with Increased Pulmonary Inflammation. <i>Annals of the American Thoracic Society</i> , <b>2014</b> , 11, S71-S71	4.7	3

24	Phylogenetic inference using alignment-free methods for applications in microbial community surveys using 16s rRNA gene. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187940	3.7	3
23	Serum Proteins Associated with Emphysema Progression in Severe Alpha-1 Antitrypsin Deficiency. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla )</i> , <b>2017</b> , 4, 204-216	2.7	3
22	Preventing or controlling periodontitis reduces the occurrence of osteonecrosis of the jaw (ONJ) in rice rats ( <i>Oryzomys palustris</i> ). <i>Bone</i> , <b>2021</b> , 145, 115866	4.7	3
21	Rigorous Plasma Microbiome Analysis Method Enables Disease Association Discovery in Clinic. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 613268	5.7	3
20	Case-control studies of gene-environment interactions. When a case might not be the case. <i>PLoS ONE</i> , <b>2018</b> , 13, e0201140	3.7	3
19	Racial disparity in survival of patients diagnosed with early-onset colorectal cancer. <i>Colorectal Cancer</i> , <b>2020</b> , 9, CRC32	0.8	2
18	Evidence for Differentiation of Colon Tissue Microbiota in Patients with and without Postoperative Hirschsprung's Associated Enterocolitis: A Pilot Study. <i>Pediatric Gastroenterology, Hepatology and Nutrition</i> , <b>2021</b> , 24, 30-37	2.3	2
17	Natural Language Processing Enabling COVID-19 Predictive Analytics to Support Data-Driven Patient Advising and Pooled Testing. <i>Journal of the American Medical Informatics Association: JAMIA</i> , <b>2021</b> ,	8.6	2
16	A simple approximation to bias in the genetic effect estimates when multiple disease states share a clinical diagnosis. <i>Genetic Epidemiology</i> , <b>2019</b> , 43, 522-531	2.6	1
15	A deep learning segmentation strategy that minimizes the amount of manually annotated images. <i>F1000Research</i> , 10, 256	3.6	1
14	Comparison of a Cancer Family History Collection and Risk Assessment Tool - ItRunsInMyFamily - with Risk Assessment by Health-Care Professionals. <i>Public Health Genomics</i> , <b>2021</b> , 1-9	1.9	1
13	Preinvasive Colorectal Lesions of African Americans Display an Immunosuppressive Signature Compared to Caucasian Americans. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 659036	5.3	1
12	A Simple Approximation to Bias in Gene-Environment Interaction Estimates When a Case Might Not Be the Case. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 886	4.5	1
11	Each patient is a research biorepository: informatics-enabled research on surplus clinical specimens via the living BioBank. <i>Journal of the American Medical Informatics Association: JAMIA</i> , <b>2021</b> , 28, 138-143	8.6	1
10	Using Flow Disruptions to Examine System Safety in Robotic-Assisted Surgery: Protocol for a Stepped Wedge Crossover Design. <i>JMIR Research Protocols</i> , <b>2021</b> , 10, e25284	2	1
9	4474 READ-TV: Research and Exploratory Analysis Driven Time-data Visualization. <i>Journal of Clinical and Translational Science</i> , <b>2020</b> , 4, 51-51	0.4	0
8	Assessing quality and agreement of structured data in automatic versus manual abstraction of the electronic health record for a clinical epidemiology study. <i>Research Methods in Medicine &amp; Health Sciences</i> , <b>2021</b> , 2, 168-178	5	0
7	A phylogenetic approach for weighting genetic sequences. <i>BMC Bioinformatics</i> , <b>2021</b> , 22, 285	3.6	0

6	Research and Exploratory Analysis Driven-Time-data Visualization (read-tv) software. <i>JAMIA Open</i> , <b>2021</b> , 4, ooab007	2.9	0
5	Antimicrobial-induced oral dysbiosis exacerbates naturally occurring alveolar bone loss. <i>FASEB Journal</i> , <b>2021</b> , 35, e22015	0.9	
4	Identification of predictive cytokine biomarkers of scleroderma via local causal neighborhood methods. <i>F1000Research</i> , <b>2021</b> , 6, 1875	3.6	
3	A deep learning segmentation strategy that minimizes the amount of manually annotated images.. <i>F1000Research</i> , <b>2021</b> , 10, 256	3.6	
2	A simple approximation to the bias of gene-environment interactions in case-control studies with silent disease. <i>Genetic Epidemiology</i> , <b>2019</b> , 43, 292-299	2.6	
1	Immune Responses Vary in Preinvasive Colorectal Lesions by Tumor Location and Histology. <i>Cancer Prevention Research</i> , <b>2021</b> , 14, 885-892	3.2	