

# Istvan U Albert

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1613133/publications.pdf>

Version: 2024-02-01

64  
papers

9,406  
citations

109321

35  
h-index

114465

63  
g-index

66  
all docs

66  
docs citations

66  
times ranked

14258  
citing authors

#	ARTICLE	IF	CITATIONS
1	Addendum: Transcriptomics and proteomics reveal two waves of translational repression during the maturation of malaria parasite sporozoites. <i>Nature Communications</i> , 2022, 13, 283.	12.8	0
2	Transcriptional Profiling of the Small Intestine and the Colon Reveals Modulation of Gut Infection with <i>Citrobacter rodentium</i> According to the Vitamin A Status. <i>Nutrients</i> , 2022, 14, 1563.	4.1	2
3	<i>Elioraea tepida</i> , sp. nov., a Moderately Thermophilic Aerobic Anoxygenic Phototrophic Bacterium Isolated from the Mat Community of an Alkaline Siliceous Hot Spring in Yellowstone National Park, WY, USA. <i>Microorganisms</i> , 2022, 10, 80.	3.6	1
4	Metformin Affects the Transcriptomic Profile of Chicken Ovarian Cancer Cells. <i>Genes</i> , 2022, 13, 30.	2.4	5
5	Paternal nicotine enhances fear memory, reduces nicotine administration, and alters hippocampal genetic and neural function in offspring. <i>Addiction Biology</i> , 2021, 26, e12859.	2.6	19
6	Complete Genome Sequence of <i>Mycobacterium orygis</i> Strain 51145. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.6	4
7	Genomic and Phenotypic Characterization of <i>Chloracidobacterium</i> Isolates Provides Evidence for Multiple Species. <i>Frontiers in Microbiology</i> , 2021, 12, 704168.	3.5	3
8	Adolescent Stress Reduces Adult Morphine-Induced Behavioral Sensitization in C57BL/6J Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 678102.	2.0	5
9	Advantageous microbial community development and improved performance of pilot-scale field systems treating high-risk acid mine drainage with crab shell. <i>Journal of Hazardous Materials</i> , 2021, 420, 126665.	12.4	6
10	RNAseq studies reveal distinct transcriptional response to vitamin A deficiency in small intestine versus colon, uncovering novel vitamin A-regulated genes. <i>Journal of Nutritional Biochemistry</i> , 2021, 98, 108814.	4.2	4
11	A rapid and label-free platform for virus capture and identification from clinical samples. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 895-901.	7.1	157
12	Artificial Selection Finds New Hypotheses for the Mechanism of <i>Wolbachia</i> -Mediated Dengue Blocking in Mosquitoes. <i>Frontiers in Microbiology</i> , 2020, 11, 1456.	3.5	15
13	Bioinformatics recipes: creating, executing and distributing reproducible data analysis workflows. <i>BMC Bioinformatics</i> , 2020, 21, 292.	2.6	1
14	<i>Caldichromatium japonicum</i> gen. nov., sp. nov., a novel thermophilic phototrophic purple sulphur bacterium of the Chromatiaceae isolated from Nakabusa hot springs, Japan. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 5701-5710.	1.7	17
15	Selection on <i>Aedes aegypti</i> alters <i>Wolbachia</i> -mediated dengue virus blocking and fitness. <i>Nature Microbiology</i> , 2019, 4, 1832-1839.	13.3	62
16	Transcriptome Analyses of Heart and Liver Reveal Novel Pathways for Regulating Songbird Migration. <i>Scientific Reports</i> , 2019, 9, 6058.	3.3	16
17	Puf3 participates in ribosomal biogenesis in malaria parasites. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	8
18	Whole-Genome Sequences of 18 Bovine Alpha herpesvirus 1 Field Isolates from Pennsylvania and Minnesota. <i>Genome Announcements</i> , 2018, 6, .	0.8	0

#	ARTICLE	IF	CITATIONS
19	In vivo genome-wide binding interactions of mouse and human constitutive androstane receptors reveal novel gene targets. <i>Nucleic Acids Research</i> , 2018, 46, 8385-8403.	14.5	27
20	Whole-Genome Sequence of Infectious Pancreatic Necrosis Virus Isolated from Farmed Brook Trout ( <i>Salvelinus fontinalis</i> ) in Pennsylvania. <i>Genome Announcements</i> , 2018, 6, .	0.8	7
21	Complete Genome Sequences of Three Related Avian Avulavirus 1 Isolates from Poultry Farmers in Pakistan. <i>Genome Announcements</i> , 2018, 6, .	0.8	5
22	Genome-wide real-time in vivo transcriptional dynamics during <i>Plasmodium falciparum</i> blood-stage development. <i>Nature Communications</i> , 2018, 9, 2656.	12.8	73
23	Whole-genome sequence analysis reveals unique SNP profiles to distinguish vaccine and wild-type strains of bovine herpesvirus-1 (BoHV-1). <i>Virology</i> , 2018, 522, 27-36.	2.4	7
24	The influence of adolescent nicotine exposure on ethanol intake and brain gene expression. <i>PLoS ONE</i> , 2018, 13, e0198935.	2.5	6
25	Rapid magnetic isolation of extracellular vesicles via lipid-based nanoprobe. <i>Nature Biomedical Engineering</i> , 2017, 1, .	22.5	188
26	NusA-dependent transcription termination prevents misregulation of global gene expression. <i>Nature Microbiology</i> , 2016, 1, 15007.	13.3	68
27	Effects of Spent Mushroom Compost (SMC) as an Ingredient in Phase I Compost on Production of <i>Agaricus bisporus</i> . <i>Compost Science and Utilization</i> , 2016, 24, 246-258.	1.2	6
28	Molecular tandem repeat strategy for elucidating mechanical properties of high-strength proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6478-6483.	7.1	63
29	Bioinformatic analysis of microRNA networks following the activation of the constitutive androstane receptor (CAR) in mouse liver. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 1228-1237.	1.9	10
30	Tunable and label-free virus enrichment for ultrasensitive virus detection using carbon nanotube arrays. <i>Science Advances</i> , 2016, 2, e1601026.	10.3	73
31	Testing the kinship theory of intragenomic conflict in honey bees ( <i>Apis mellifera</i> ). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1020-1025.	7.1	69
32	Impact of Helminth Infections and Nutritional Constraints on the Small Intestine Microbiota. <i>PLoS ONE</i> , 2016, 11, e0159770.	2.5	60
33	VirAmp: a galaxy-based viral genome assembly pipeline. <i>GigaScience</i> , 2015, 4, 19.	6.4	30
34	A critical role of RBM8a in proliferation and differentiation of embryonic neural progenitors. <i>Neural Development</i> , 2015, 10, 18.	2.4	52
35	Persistent Organic Pollutants Modify Gut Microbiota and Host Metabolic Homeostasis in Mice Through Aryl Hydrocarbon Receptor Activation. <i>Environmental Health Perspectives</i> , 2015, 123, 679-688.	6.0	262
36	Genomic characterization of a turkey reovirus field strain by Next-Generation Sequencing. <i>Infection, Genetics and Evolution</i> , 2015, 32, 313-321.	2.3	21

#	ARTICLE	IF	CITATIONS
37	Gene expression during zombie ant biting behavior reflects the complexity underlying fungal parasitic behavioral manipulation. <i>BMC Genomics</i> , 2015, 16, 620.	2.8	107
38	Relating Microbial Community Structure and Geochemistry in Deep Regolith Developed on Volcaniclastic Rock in the Luquillo Mountains, Puerto Rico. <i>Geomicrobiology Journal</i> , 2015, 32, 494-510.	2.0	12
39	Intestinal farnesoid X receptor signaling promotes nonalcoholic fatty liver disease. <i>Journal of Clinical Investigation</i> , 2015, 125, 386-402.	8.2	517
40	Comparative Analysis of Super-Shedder Strains of Escherichia coli O157:H7 Reveals Distinctive Genomic Features and a Strongly Aggregative Adherent Phenotype on Bovine Rectoanal Junction Squamous Epithelial Cells. <i>PLoS ONE</i> , 2015, 10, e0116743.	2.5	36
41	Dominant Effects of the Diet on the Microbiome and the Local and Systemic Immune Response in Mice. <i>PLoS ONE</i> , 2014, 9, e86366.	2.5	41
42	Materials Fabrication from Native and Recombinant Thermoplastic Squid Proteins. <i>Advanced Functional Materials</i> , 2014, 24, 7401-7409.	14.9	44
43	Regulating life or death: Potential role of microRNA in rescue of the corpus luteum. <i>Molecular and Cellular Endocrinology</i> , 2014, 398, 78-88.	3.2	37
44	Microbiome remodelling leads to inhibition of intestinal farnesoid X receptor signalling and decreased obesity. <i>Nature Communications</i> , 2013, 4, 2384.	12.8	549
45	Spatial distribution of bacterial communities on volumetric and planar anodes in single-chamber air-cathode microbial fuel cells. <i>Biotechnology and Bioengineering</i> , 2013, 110, 3059-3062.	3.3	19
46	White Button Mushrooms Increase Microbial Diversity and Accelerate the Resolution of <i>Citrobacter rodentium</i> Infection in Mice. <i>Journal of Nutrition</i> , 2013, 143, 526-532.	2.9	26
47	BioStar: An Online Question & Answer Resource for the Bioinformatics Community. <i>PLoS Computational Biology</i> , 2011, 7, e1002216.	3.2	82
48	Dynamical and Structural Analysis of a T Cell Survival Network Identifies Novel Candidate Therapeutic Targets for Large Granular Lymphocyte Leukemia. <i>PLoS Computational Biology</i> , 2011, 7, e1002267.	3.2	162
49	Attractor analysis of asynchronous Boolean models of signal transduction networks. <i>Journal of Theoretical Biology</i> , 2010, 266, 641-656.	1.7	163
50	Disease dynamics in a dynamic social network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 2663-2674.	2.6	31
51	Boolean network simulations for life scientists. <i>Source Code for Biology and Medicine</i> , 2008, 3, 16.	1.7	280
52	Nucleosome organization in the <i>Drosophila</i> genome. <i>Nature</i> , 2008, 453, 358-362.	27.8	636
53	A barrier nucleosome model for statistical positioning of nucleosomes throughout the yeast genome. <i>Genome Research</i> , 2008, 18, 1073-1083.	5.5	591
54	GeneTrack—a genomic data processing and visualization framework. <i>Bioinformatics</i> , 2008, 24, 1305-1306.	4.1	94

#	ARTICLE	IF	CITATIONS
55	A framework for collaborative analysis of ENCODE data: Making large-scale analyses biologist-friendly. <i>Genome Research</i> , 2007, 17, 960-964.	5.5	122
56	Translational and rotational settings of H2A.Z nucleosomes across the <i>Saccharomyces cerevisiae</i> genome. <i>Nature</i> , 2007, 446, 572-576.	27.8	610
57	Nucleosome positions predicted through comparative genomics. <i>Nature Genetics</i> , 2006, 38, 1210-1215.	21.4	283
58	Rapid and asymmetric divergence of duplicate genes in the human gene coexpression network. <i>BMC Bioinformatics</i> , 2006, 7, 46.	2.6	45
59	Galaxy: A platform for interactive large-scale genome analysis. <i>Genome Research</i> , 2005, 15, 1451-1455.	5.5	1,795
60	Conserved network motifs allow protein-protein interaction prediction. <i>Bioinformatics</i> , 2004, 20, 3346-3352.	4.1	179
61	Structural vulnerability of the North American power grid. <i>Physical Review E</i> , 2004, 69, 025103.	2.1	1,046
62	Jamming and Fluctuations in Granular Drag. <i>Physical Review Letters</i> , 2000, 84, 5122-5125.	7.8	139
63	Maximum angle of stability in wet and dry spherical granular media. <i>Physical Review E</i> , 1997, 56, R6271-R6274.	2.1	133
64	What keeps sandcastles standing?. <i>Nature</i> , 1997, 387, 765-765.	27.8	273