

# Alexander K Lancaster

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29  
papers

2,436  
citations

21  
h-index

37  
g-index

37  
ext. papers

2,970  
ext. citations

14.3  
avg, IF

4.72  
L-index

#	Paper	IF	Citations
29	Prions are a common mechanism for phenotypic inheritance in wild yeasts. <i>Nature</i> , <b>2012</b> , 482, 363-8	50.4	308
28	Balancing selection and heterogeneity across the classical human leukocyte antigen loci: a meta-analytic review of 497 population studies. <i>Human Immunology</i> , <b>2008</b> , 69, 443-64	2.3	235
27	PyPop update--a software pipeline for large-scale multilocus population genomics. <i>Tissue Antigens</i> , <b>2007</b> , 69 Suppl 1, 192-7		222
26	PLAAC: a web and command-line application to identify proteins with prion-like amino acid composition. <i>Bioinformatics</i> , <b>2014</b> , 30, 2501-2	7.2	212
25	Yeast reveal a "druggable" Rsp5/Nedd4 network that ameliorates Eynuclein toxicity in neurons. <i>Science</i> , <b>2013</b> , 342, 979-83	33.3	188
24	Fitness trade-offs restrict the evolution of resistance to amphotericin B. <i>PLoS Biology</i> , <b>2013</b> , 11, e1001692	9.7	170
23	Differentiation between African populations is evidenced by the diversity of alleles and haplotypes of HLA class I loci. <i>Tissue Antigens</i> , <b>2004</b> , 63, 293-325		148
22	Heritable remodeling of yeast multicellularity by an environmentally responsive prion. <i>Cell</i> , <b>2013</b> , 153, 153-65	56.2	134
21	Cross-kingdom chemical communication drives a heritable, mutually beneficial prion-based transformation of metabolism. <i>Cell</i> , <b>2014</b> , 158, 1083-1093	56.2	115
20	Luminidependens (LD) is an Arabidopsis protein with prion behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 6065-70	11.5	93
19	The spontaneous appearance rate of the yeast prion [PSI <sup>+</sup> ] and its implications for the evolution of the evolvability properties of the [PSI <sup>+</sup> ] system. <i>Genetics</i> , <b>2010</b> , 184, 393-400	4	82
18	An evolutionarily conserved prion-like element converts wild fungi from metabolic specialists to generalists. <i>Cell</i> , <b>2014</b> , 158, 1072-1082	56.2	81
17	Inhibiting GPI anchor biosynthesis in fungi stresses the endoplasmic reticulum and enhances immunogenicity. <i>ACS Chemical Biology</i> , <b>2012</b> , 7, 1520-8	4.9	72
16	HLA-A, -B, -C, and -DRB1 allele and haplotype frequencies distinguish Eastern European Americans from the general European American population. <i>Tissue Antigens</i> , <b>2009</b> , 73, 17-32		57
15	Multi-tissue transcriptomics of the black widow spider reveals expansions, co-options, and functional processes of the silk gland gene toolkit. <i>BMC Genomics</i> , <b>2014</b> , 15, 365	4.5	56
14	HLA-A, -B, -C, -DRB1 allele and haplotype frequencies in an African American population. <i>Tissue Antigens</i> , <b>2007</b> , 69, 73-85		45
13	A community standard for immunogenomic data reporting and analysis: proposal for a STrengthening the REporting of Immunogenomic Studies statement. <i>Tissue Antigens</i> , <b>2011</b> , 78, 333-44		38

12	The evolution of reversible switches in the presence of irreversible mimics. <i>Evolution; International Journal of Organic Evolution</i> , <b>2009</b> , 63, 2350-62	3.8	28
11	High resolution HLA-DRB1 identification of a Caucasian population. <i>Human Immunology</i> , <b>2004</b> , 65, 66-77	2.3	27
10	A Fungal-Selective Cytochrome bc Inhibitor Impairs Virulence and Prevents the Evolution of Drug Resistance. <i>Cell Chemical Biology</i> , <b>2016</b> , 23, 978-991	8.2	21
9	Inhibiting mitochondrial phosphate transport as an unexploited antifungal strategy. <i>Nature Chemical Biology</i> , <b>2018</b> , 14, 135-141	11.7	21
8	COSMOS: Python library for massively parallel workflows. <i>Bioinformatics</i> , <b>2014</b> , 30, 2956-8	7.2	20
7	14th International HLA and Immunogenetics Workshop: report of progress in methodology, data collection, and analyses. <i>Tissue Antigens</i> , <b>2007</b> , 69 Suppl 1, 185-7		17
6	Scalable and cost-effective NGS genotyping in the cloud. <i>BMC Medical Genomics</i> , <b>2015</b> , 8, 64	3.7	16
5	HLA haplotypes in Singapore: a study of mothers and their cord blood units. <i>Human Immunology</i> , <b>2007</b> , 68, 430-8	2.3	13
4	Science and technology consortia in U.S. biomedical research: a paradigm shift in response to unsustainable academic growth. <i>BioEssays</i> , <b>2015</b> , 37, 119-22	4.1	7
3	Feed-forward regulation adaptively evolves via dynamics rather than topology when there is intrinsic noise. <i>Nature Communications</i> , <b>2019</b> , 10, 2418	17.4	4
2	A new paradigm for the scientific enterprise: nurturing the ecosystem. <i>F1000Research</i> , <b>2018</b> , 7, 803	3.6	3
1	Correction to Inhibiting GPI Anchor Biosynthesis in Fungi Stresses the Endoplasmic Reticulum and Enhances Immunogenicity. <i>ACS Chemical Biology</i> , <b>2014</b> , 9, 1061-1061	4.9	2