

# Alex Wong

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

2,371  
citations

331670

21  
h-index

233421

45  
g-index

49  
all docs

49  
docs citations

49  
times ranked

3578  
citing authors

#	ARTICLE	IF	CITATIONS
1	The fitness costs of antibiotic resistance mutations. <i>Evolutionary Applications</i> , 2015, 8, 273-283.	3.1	490
2	Evolution in the Fast Lane: Rapidly Evolving Sex-Related Genes in <i>Drosophila</i> . <i>Genetics</i> , 2007, 177, 1321-1335.	2.9	330
3	Genomics of Adaptation during Experimental Evolution of the Opportunistic Pathogen <i>Pseudomonas aeruginosa</i> . <i>PLoS Genetics</i> , 2012, 8, e1002928.	3.5	139
4	Evolutionary insight from whole-genome sequencing of experimentally evolved microbes. <i>Molecular Ecology</i> , 2012, 21, 2058-2077.	3.9	128
5	Plasmid persistence: costs, benefits, and the plasmid paradox. <i>Canadian Journal of Microbiology</i> , 2018, 64, 293-304.	1.7	127
6	Sexual Conflict and Seminal Fluid Proteins: A Dynamic Landscape of Sexual Interactions. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a017533.	5.5	123
7	A Role for Acp29AB, a Predicted Seminal Fluid Lectin, in Female Sperm Storage in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2008, 180, 921-931.	2.9	88
8	Epistasis and the Evolution of Antimicrobial Resistance. <i>Frontiers in Microbiology</i> , 2017, 8, 246.	3.5	85
9	Implications of the gut microbiota in vulnerability to the social avoidance effects of chronic social defeat in male mice. <i>Brain, Behavior, and Immunity</i> , 2017, 66, 45-55.	4.1	83
10	Identification and Characterization of Seminal Fluid Proteins in the Asian Tiger Mosquito, <i>Aedes albopictus</i> . <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2946.	3.0	63
11	Evidence for Positive Selection on <i>Drosophila melanogaster</i> Seminal Fluid Protease Homologs. <i>Molecular Biology and Evolution</i> , 2008, 25, 497-506.	8.9	54
12	Systematic Evaluation of Whole Genome Sequence-Based Predictions of <i>Salmonella</i> Serotype and Antimicrobial Resistance. <i>Frontiers in Microbiology</i> , 2020, 11, 549.	3.5	53
13	Parallel evolution and local differentiation in quinolone resistance in <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2011, 157, 937-944.	1.8	52
14	Fitness Tradeoffs of Antibiotic Resistance in Extraintestinal Pathogenic <i>Escherichia coli</i> . <i>Genome Biology and Evolution</i> , 2018, 10, 667-679.	2.5	49
15	Efficient prediction of human protein-protein interactions at a global scale. <i>BMC Bioinformatics</i> , 2014, 15, 383.	2.6	32
16	Differentiation between subpopulations of a polychromatic damselfly with respect to morph frequencies, but not neutral genetic markers. <i>Molecular Ecology</i> , 2003, 12, 3505-3513.	3.9	31
17	Phylogenetic incongruence in the <i>Drosophila melanogaster</i> species group. <i>Molecular Phylogenetics and Evolution</i> , 2007, 43, 1138-1150.	2.7	30
18	Multiplexed Single Intact Cell Droplet Digital PCR (MuSIC ddPCR) Method for Specific Detection of Enterohemorrhagic <i>E. coli</i> (EHEC) in Food Enrichment Cultures. <i>Frontiers in Microbiology</i> , 2017, 8, 332.	3.5	29

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19	The Molecular Evolution of Animal Reproductive Tract Proteins: What Have We Learned from Mating-System Comparisons?. <i>International Journal of Evolutionary Biology</i> , 2011, 2011, 1-9.	1.0	28
20	Clinical Isolates of <i>Pseudomonas aeruginosa</i> from Chronically Infected Cystic Fibrosis Patients Fail To Activate the Inflammasome during Both Stable Infection and Pulmonary Exacerbation. <i>Journal of Immunology</i> , 2016, 196, 3097-3108.	0.8	28
21	Governing antimicrobial resistance: a narrative review of global governance mechanisms. <i>Journal of Public Health Policy</i> , 2020, 41, 515-528.	2.0	26
22	The mutational landscape of quinolone resistance in <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2019, 14, e0224650.	2.5	25
23	Evolution of protein-protein interaction networks in yeast. <i>PLoS ONE</i> , 2017, 12, e0171920.	2.5	24
24	Don't pull the plug! the <i>Drosophila</i> mating plug preserves fertility. <i>Fly</i> , 2015, 9, 62-67.	1.7	22
25	Evidence for structural constraint on ovulin, a rapidly evolving <i>Drosophila melanogaster</i> seminal protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18644-18649.	7.1	21
26	TESTING THE EFFECTS OF MATING SYSTEM VARIATION ON RATES OF MOLECULAR EVOLUTION IN PRIMATES. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 2779-2785.	2.3	21
27	Covariance between Testes Size and Substitution Rates in Primates. <i>Molecular Biology and Evolution</i> , 2014, 31, 1432-1436.	8.9	21
28	Unknown Risk on the Farm: Does Agricultural Use of Ionophores Contribute to the Burden of Antimicrobial Resistance?. <i>MSphere</i> , 2019, 4, .	2.9	20
29	Effects of genotype on rates of substitution during experimental evolution. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 1772-1785.	2.3	14
30	The MTHFR 677C>T polymorphism is associated with unmetabolized folic acid in breast milk in a cohort of Canadian women. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 401-409.	4.7	13
31	The effect of environmental heterogeneity on the fitness of antibiotic resistance mutations in <i>Escherichia coli</i> . <i>Evolutionary Ecology</i> , 2020, 34, 379-390.	1.2	13
32	Temporally Variable Selection on Proteolysis-Related Reproductive Tract Proteins in <i>Drosophila</i> . <i>Molecular Biology and Evolution</i> , 2012, 29, 229-238.	8.9	12
33	The evolution of gene expression and binding specificity of the largest transcription factor family in primates. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 167-180.	2.3	12
34	Genetic evidence for mixed broods and extra-pair matings in a socially monogamous biparental cichlid fish. <i>Behaviour</i> , 2015, 152, 1507-1526.	0.8	11
35	In Silico Engineering of Synthetic Binding Proteins from Random Amino Acid Sequences. <i>IScience</i> , 2019, 11, 375-387.	4.1	10
36	An sRNA Screen for Reversal of Quinolone Resistance in <i>Escherichia coli</i> . <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 79-88.	1.8	9

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37	Sexual Behavior: A Seminal Peptide Stimulates Appetites. <i>Current Biology</i> , 2006, 16, R256-R257.	3.9	8
38	Selection on the <i>Drosophila</i> seminal fluid protein Acp62F. <i>Ecology and Evolution</i> , 2013, 3, 1942-1950.	1.9	8
39	Mode of action of nisin on <i>Escherichia coli</i> . <i>Canadian Journal of Microbiology</i> , 2020, 66, 161-168.	1.7	8
40	Complete Genome Sequences of <i>Citrobacter braakii</i> Strains GTA-CB01 and GTA-CB04, Isolated from Ground Beef. <i>Genome Announcements</i> , 2015, 3, .	0.8	6
41	Predicting novel protein-protein interactions between the HIV-1 virus and homo sapiens. , 2016, , .		6
42	Insights into the suitability of utilizing brown rats ( <i>Rattus norvegicus</i> ) as a model for healing spinal cord injury with epidermal growth factor and fibroblast growth factor-II by predicting protein-protein interactions. <i>Computers in Biology and Medicine</i> , 2019, 104, 220-226.	7.0	5
43	Immortal coils: Conserved dimerization motifs of the <i>Drosophila</i> ovulation prohormone ovulin. <i>Insect Biochemistry and Molecular Biology</i> , 2010, 40, 303-310.	2.7	3
44	COMPASS: the COMPLETELY Arbitrary Sequence Simulator. <i>Bioinformatics</i> , 2017, 33, 3101-3103.	4.1	3
45	Hybrid Nanopore-Illumina Assemblies for Five Extraintestinal Pathogenic <i>Escherichia coli</i> Isolates. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.6	3
46	Evolution of <i>Drosophila</i> seminal proteins and their networks. , 2012, , 144-152.		3
47	Folate Intake Alters Mutation Frequency and Profiles in a Tissue- and Dose-Specific Manner in MutaMouse Male Mice. <i>Journal of Nutrition</i> , 2021, 151, 800-809.	2.9	2
48	Draft Genome Sequence of <i>Hafnia paralvei</i> Strain GTA-HAF03. <i>Genome Announcements</i> , 2015, 3, .	0.8	0
49	Quantifying polymorphism and divergence from epigenetic data: a framework for inferring the action of selection. <i>Frontiers in Genetics</i> , 2015, 6, 190.	2.3	0