

# Yong Kong

## 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.

102  
papers

6,750  
citations

32  
h-index

82  
g-index

111  
ext. papers

7,941  
ext. citations

8.3  
avg, IF

5.72  
L-index

#	Paper	IF	Citations
102	A protein interaction map of <i>Drosophila melanogaster</i> . <i>Science</i> , <b>2003</b> , 302, 1727-36	33.3	1914
101	Exome sequencing identifies recurrent somatic RAC1 mutations in melanoma. <i>Nature Genetics</i> , <b>2012</b> , 44, 1006-14	36.3	887
100	Btrim: a fast, lightweight adapter and quality trimming program for next-generation sequencing technologies. <i>Genomics</i> , <b>2011</b> , 98, 152-3	4.3	370
99	Integrative annotation of variants from 1092 humans: application to cancer genomics. <i>Science</i> , <b>2013</b> , 342, 1235-587	33.3	281
98	Macrophage function in tissue repair and remodeling requires IL-4 or IL-13 with apoptotic cells. <i>Science</i> , <b>2017</b> , 356, 1072-1076	33.3	273
97	Exome sequencing identifies recurrent mutations in NF1 and RASopathy genes in sun-exposed melanomas. <i>Nature Genetics</i> , <b>2015</b> , 47, 996-1002	36.3	261
96	AlleleSeq: analysis of allele-specific expression and binding in a network framework. <i>Molecular Systems Biology</i> , <b>2011</b> , 7, 522	12.2	228
95	Negligible impact of rare autoimmune-locus coding-region variants on missing heritability. <i>Nature</i> , <b>2013</b> , 498, 232-5	50.4	156
94	Microbial communities of the upper respiratory tract and otitis media in children. <i>MBio</i> , <b>2011</b> , 2, e00245-10	4.8	146
93	Type I interferons instigate fetal demise after Zika virus infection. <i>Science Immunology</i> , <b>2018</b> , 3,	28	133
92	Upper respiratory tract microbial communities, acute otitis media pathogens, and antibiotic use in healthy and sick children. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 6262-70	4.8	133
91	Substrate discrimination among mitogen-activated protein kinases through distinct docking sequence motifs. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 19511-20	5.4	115
90	Crystal structures of the Klenow fragment of <i>Thermus aquaticus</i> DNA polymerase I complexed with deoxyribonucleoside triphosphates. <i>Protein Science</i> , <b>1998</b> , 7, 1116-23	6.3	96
89	Nanoparticles that deliver triplex-forming peptide nucleic acid molecules correct F508del CFTR in airway epithelium. <i>Nature Communications</i> , <b>2015</b> , 6, 6952	17.4	88
88	An international effort towards developing standards for best practices in analysis, interpretation and reporting of clinical genome sequencing results in the CLARITY Challenge. <i>Genome Biology</i> , <b>2014</b> , 15, R53	18.3	86
87	Dynamic changes in the <i>Streptococcus pneumoniae</i> transcriptome during transition from biofilm formation to invasive disease upon influenza A virus infection. <i>Infection and Immunity</i> , <b>2014</b> , 82, 4607-19	3.7	74
86	Aging impairs both primary and secondary RIG-I signaling for interferon induction in human monocytes. <i>Science Signaling</i> , <b>2017</b> , 10,	8.8	72

85	ERVmap analysis reveals genome-wide transcription of human endogenous retroviruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 12565-12572	11.5	70
84	Analysis of gene-environment interactions in postnatal development of the mammalian intestine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 1929-36	11.5	63
83	Analysis of genomic variation in non-coding elements using population-scale sequencing data from the 1000 Genomes Project. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 7058-76	20.1	58
82	Glycerol phosphate shuttle enzyme GPD2 regulates macrophage inflammatory responses. <i>Nature Immunology</i> , <b>2019</b> , 20, 1186-1195	19.1	57
81	Calculation of the reaction field due to off-center point multipoles. <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 481-492	3.9	53
80	Ketogenic diet activates protective $\gamma$ cell responses against influenza virus infection. <i>Science Immunology</i> , <b>2019</b> , 4,	28	51
79	A uniform survey of allele-specific binding and expression over 1000-Genomes-Project individuals. <i>Nature Communications</i> , <b>2016</b> , 7, 11101	17.4	51
78	Alleles of a polymorphic ETV6 binding site in DCDC2 confer risk of reading and language impairment. <i>American Journal of Human Genetics</i> , <b>2013</b> , 93, 19-28	11	50
77	The Lupus Susceptibility Locus Sgp3 Encodes the Suppressor of Endogenous Retrovirus Expression SNERV. <i>Immunity</i> , <b>2019</b> , 50, 334-347.e9	32.3	43
76	Rare SF3B1 R625 mutations in cutaneous melanoma. <i>Melanoma Research</i> , <b>2014</b> , 24, 332-4	3.3	42
75	genome evolution during persistence in the human airways in chronic obstructive pulmonary disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E3256-E3265	11.5	40
74	Viral Spread to Enteric Neurons Links Genital HSV-1 Infection to Toxic Megacolon and Lethality. <i>Cell Host and Microbe</i> , <b>2016</b> , 19, 788-99	23.4	37
73	Heterologous quaternary structure of CXCL12 and its relationship to the CC chemokine family. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2010</b> , 78, 1331-7	4.2	35
72	Theory of multivalent binding in one and two-dimensional lattices. <i>Biophysical Chemistry</i> , <b>1996</b> , 61, 107-245	34	34
71	MicroRNA: biological and computational perspective. <i>Genomics, Proteomics and Bioinformatics</i> , <b>2005</b> , 3, 62-72	6.5	33
70	Type 3 Inositol 1,4,5-Trisphosphate Receptor Is Increased and Enhances Malignant Properties in Cholangiocarcinoma. <i>Hepatology</i> , <b>2020</b> , 71, 583-599	11.2	32
69	Forward genetics defines Xylt1 as a key, conserved regulator of early chondrocyte maturation and skeletal length. <i>Developmental Biology</i> , <b>2014</b> , 385, 67-82	3.1	31
68	Fluorescence anisotropy studies on the Ku-DNA interaction: anion and cation effects. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 42826-35	5.4	30

67	Dolosigranulum pigrum Cooperation and Competition in Human Nasal Microbiota. <i>MSphere</i> , <b>2020</b> , 5,	5	30
66	Regional Differences in Airway Epithelial Cells Reveal Tradeoff between Defense against Oxidative Stress and Defense against Rhinovirus. <i>Cell Reports</i> , <b>2018</b> , 24, 3000-3007.e3	10.6	30
65	Association of sputum microbiota profiles with severity of community-acquired pneumonia in children. <i>BMC Infectious Diseases</i> , <b>2016</b> , 16, 317	4	29
64	Forward genetics uncovers Transmembrane protein 107 as a novel factor required for ciliogenesis and Sonic hedgehog signaling. <i>Developmental Biology</i> , <b>2012</b> , 368, 382-92	3.1	28
63	Packing dimers on $(2p+1) \times (2q+1)$ lattices. <i>Physical Review E</i> , <b>2006</b> , 73, 016106	2.4	25
62	Expression of IgA Proteases by Haemophilus influenzae in the Respiratory Tract of Adults With Chronic Obstructive Pulmonary Disease. <i>Journal of Infectious Diseases</i> , <b>2015</b> , 212, 1798-805	7	24
61	Intratumoral delivery of RIG-I agonist SLR14 induces robust antitumor responses. <i>Journal of Experimental Medicine</i> , <b>2019</b> , 216, 2854-2868	16.6	23
60	Effect of Fluoroquinolones and Macrolides on Eradication and Resistance of Haemophilus influenzae in Chronic Obstructive Pulmonary Disease. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2016</b> , 60, 4151-8	5.9	23
59	Distribution of Runs and Longest Runs. <i>Journal of the American Statistical Association</i> , <b>2006</b> , 101, 1253-1263	2.6	22
58	Forward genetics identifies Kdf1/1810019J16Rik as an essential regulator of the proliferation-differentiation decision in epidermal progenitor cells. <i>Developmental Biology</i> , <b>2013</b> , 383, 201-13	3.1	21
57	Logarithmic corrections in the free energy of monomer-dimer model on plane lattices with free boundaries. <i>Physical Review E</i> , <b>2006</b> , 74, 011102	2.4	21
56	Gastrointestinal Microbiota Disruption and Risk of Colonization With Carbapenem-resistant Pseudomonas aeruginosa in Intensive Care Unit Patients. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 69, 604-613	11.6	21
55	The regulatory element READ1 epistatically influences reading and language, with both deleterious and protective alleles. <i>Journal of Medical Genetics</i> , <b>2016</b> , 53, 163-71	5.8	20
54	Antimicrobial activity of antisense peptide-peptide nucleic acid conjugates against non-typeable Haemophilus influenzae in planktonic and biofilm forms. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2017</b> , 72, 137-144	5.1	20
53	Monomer-dimer model in two-dimensional rectangular lattices with fixed dimer density. <i>Physical Review E</i> , <b>2006</b> , 74, 061102	2.4	20
52	IFT56 regulates vertebrate developmental patterning by maintaining IFTB complex integrity and ciliary microtubule architecture. <i>Development (Cambridge)</i> , <b>2017</b> , 144, 1544-1553	6.6	18
51	Desynchronization of the molecular clock contributes to the heterogeneity of the inflammatory response. <i>Science Signaling</i> , <b>2019</b> , 12,	8.8	17
50	A Simple Method for Evaluating Partition Functions of Linear Polymers. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 10111-10114	3.4	14

49	Exon capture and bulk segregant analysis: rapid discovery of causative mutations using high-throughput sequencing. <i>BMC Genomics</i> , <b>2012</b> , 13, 649	4.5	13
48	Integrating sequencing technologies in personal genomics: optimal low cost reconstruction of structural variants. <i>PLoS Computational Biology</i> , <b>2009</b> , 5, e1000432	5	13
47	<i>Streptococcus pneumoniae</i> clonal complex 199: genetic diversity and tissue-specific virulence. <i>PLoS ONE</i> , <b>2011</b> , 6, e18649	3.7	13
46	Changes in IgA Protease Expression Are Conferred by Changes in Genomes during Persistent Infection by Nontypeable <i>Haemophilus influenzae</i> in Chronic Obstructive Pulmonary Disease. <i>Infection and Immunity</i> , <b>2018</b> , 86,	3.7	13
45	Human APOBEC3G Prevents Emergence of Infectious Endogenous Retrovirus in Mice. <i>Journal of Virology</i> , <b>2019</b> , 93,	6.6	10
44	General recurrence theory of ligand binding on a three-dimensional lattice. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 4790-4799	3.9	9
43	A phase II evaluation of pembrolizumab in recurrent microsatellite instability-high (MSI-H) endometrial cancer patients with Lynch-like versus MLH-1 methylated characteristics (NCT02899793). <i>Annals of Oncology</i> , <b>2021</b> , 32, 1045-1046	10.3	8
42	Adjusting for background mutation frequency biases improves the identification of cancer driver genes. <i>IEEE Transactions on Nanobioscience</i> , <b>2013</b> , 12, 150-7	3.4	7
41	Generalized correlation functions and their applications in selection of optimal multiple spaced seeds for homology search. <i>Journal of Computational Biology</i> , <b>2007</b> , 14, 238-54	1.7	7
40	Exosomal MicroRNAs Associate With Neuropsychological Performance in Individuals With HIV Infection on Antiretroviral Therapy. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2019</b> , 82, 514-522	3.1	7
39	Number of appearances of events in random sequences: a new generating function approach to Type II and Type III runs. <i>Annals of the Institute of Statistical Mathematics</i> , <b>2017</b> , 69, 489-495	1	6
38	Distributions of Runs Revisited. <i>Communications in Statistics - Theory and Methods</i> , <b>2015</b> , 44, 4663-4678	0.5	6
37	MU2A--reconciling the genome and transcriptome to determine the effects of base substitutions. <i>Bioinformatics</i> , <b>2011</b> , 27, 416-8	7.2	6
36	Construction and maintenance of randomized retroviral expression libraries for transmembrane protein engineering. <i>Protein Engineering, Design and Selection</i> , <b>2011</b> , 24, 311-20	1.9	6
35	A phase 2 evaluation of pembrolizumab for recurrent Lynch-like versus sporadic endometrial cancers with microsatellite instability. <i>Cancer</i> , <b>2021</b> ,	6.4	6
34	Antibodies against human endogenous retrovirus K102 envelope activate neutrophils in systemic lupus erythematosus. <i>Journal of Experimental Medicine</i> , <b>2021</b> , 218,	16.6	6
33	Number of appearances of events in random sequences: A new approach to non-overlapping runs. <i>Communications in Statistics - Theory and Methods</i> , <b>2016</b> , 45, 6765-6772	0.5	5
32	Joint distribution of rises, falls, and number of runs in random sequences. <i>Communications in Statistics - Theory and Methods</i> , <b>2019</b> , 48, 493-499	0.5	5

31	Calculating complexity of large randomized libraries. <i>Journal of Theoretical Biology</i> , <b>2009</b> , 259, 641-5	2.3	5
30	Note: solution of one-dimensional self-assembly problem in multiple-component systems with correction of overcounting of non-symmetrical complexes. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 15610-19	3.9	5
29	Asymptotics of the monomer-dimer model on two-dimensional semi-infinite lattices. <i>Physical Review E</i> , <b>2007</b> , 75, 051123	2.4	5
28	The mth longest runs of multivariate random sequences. <i>Annals of the Institute of Statistical Mathematics</i> , <b>2017</b> , 69, 497-512	1	4
27	Statistical distributions of pyrosequencing. <i>Journal of Computational Biology</i> , <b>2009</b> , 16, 31-42	1.7	4
26	Statistical distributions of sequencing by synthesis with probabilistic nucleotide incorporation. <i>Journal of Computational Biology</i> , <b>2009</b> , 16, 817-27	1.7	4
25	Extension of Goulden-Jackson cluster method on pattern occurrences in random sequences and comparison with Rgnier-Bzpankowski method. <i>Journal of Difference Equations and Applications</i> , <b>2005</b> , 11, 1265-1271	1	4
24	Ligand binding on ladder lattices. <i>Biophysical Chemistry</i> , <b>1999</b> , 81, 7-21	3.5	4
23	A phase II evaluation of pembrolizumab in recurrent microsatellite instability-high (MSI-H) endometrial cancer patients with Lynch-like versus MLH-1 methylated characteristics (NCT02899793).. <i>Journal of Clinical Oncology</i> , <b>2021</b> , 39, 5523-5523	2.2	4
22	Decoupling Combinatorial Complexity: a Two-Step Approach to Distributions of Runs. <i>Methodology and Computing in Applied Probability</i> , <b>2019</b> , 21, 789-803	0.6	4
21	Streptococcus pneumoniae serotype 6C: an intra- and interclonal complex comparison. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 3409-10	3.5	3
20	A note on the quantitative properties of McGhee-von Hippel model. <i>Biophysical Chemistry</i> , <b>2002</b> , 95, 1-6	3.5	3
19	Keck Foundation Biotechnology Resource Laboratory, Yale University. <i>Yale Journal of Biology and Medicine</i> , <b>2007</b> , 80, 195-211	2.4	3
18	Dolosigranulum pigrum cooperation and competition in human nasal microbiota		3
17	RUNX Binding Sites Are Enriched in Herpesvirus Genomes, and RUNX1 Overexpression Leads to Herpes Simplex Virus 1 Suppression. <i>Journal of Virology</i> , <b>2020</b> , 94,	6.6	3
16	Generating Function Methods for Run and Scan Statistics <b>2019</b> , 1-19		2
15	The Expectation of Sample Central Moments. <i>American Statistician</i> , <b>2011</b> , 65, 198-199	5	2
14	Antibody against envelope protein from human endogenous retrovirus activates neutrophils in systemic lupus erythematosus		2

13	Differential immunomodulatory effect of PARP inhibition in BRCA1 deficient and competent tumor cells. <i>Biochemical Pharmacology</i> , <b>2021</b> , 184, 114359	6	2
12	Distributions of successions of arbitrary multisets. <i>Communications in Statistics - Theory and Methods</i> , <b>2020</b> , 1-13	0.5	1
11	Length distribution of sequencing by synthesis: fixed flow cycle model. <i>Journal of Mathematical Biology</i> , <b>2013</b> , 67, 389-410	2	1
10	Computational analysis in cancer exome sequencing. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1176, 219-27	1.4	1
9	Human APOBEC3G prevents emergence of infectious endogenous retrovirus in mice		1
8	APOBEC3A regulates transcription from interferon-stimulated response elements.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2011665119	11.5	1
7	Bacterial Signatures of Paediatric Respiratory Disease: An Individual Participant Data Meta-Analysis.. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 711134	5.7	0
6	Reply to Iñiguez et al.: ERVmap is a validated approach to mapping proviral endogenous retroviruses in the human genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 21352-21353	11.5	0
5	Multiple consecutive runs of multi-state trials: Distributions of $(k_1, k_2, \dots, k_r)$ patterns. <i>Journal of Computational and Applied Mathematics</i> , <b>2021</b> , 403, 113846	2.4	0
4	Distributions of positive signals in pyrosequencing. <i>Journal of Mathematical Biology</i> , <b>2014</b> , 69, 39-54	2	
3	Endogenous Retroviruses Provide Protection Against Vaginal HSV-2 Disease.. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 758721	8.4	
2	IFT56 regulates vertebrate developmental patterning by maintaining IFTB complex integrity and ciliary microtubule architecture. <i>Journal of Cell Science</i> , <b>2017</b> , 130, e1.2-e1.2	5.3	
1	The Adventitious Angles Problem: The Lonely Fractional Derived Angle. <i>American Mathematical Monthly</i> , <b>2016</b> , 123, 814	0.3	