

Yong Kong

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

8,708
citations

94433

37
h-index

46799

89
g-index

111
all docs

111
docs citations

111
times ranked

17192
citing authors

#	ARTICLE	IF	CITATIONS
1	A Protein Interaction Map of <i>Drosophila melanogaster</i> . <i>Science</i> , 2003, 302, 1727-1736.	12.6	2,151
2	Exome sequencing identifies recurrent somatic RAC1 mutations in melanoma. <i>Nature Genetics</i> , 2012, 44, 1006-1014.	21.4	1,052
3	Btrim: A fast, lightweight adapter and quality trimming program for next-generation sequencing technologies. <i>Genomics</i> , 2011, 98, 152-153.	2.9	531
4	Macrophage function in tissue repair and remodeling requires IL-4 or IL-13 with apoptotic cells. <i>Science</i> , 2017, 356, 1072-1076.	12.6	408
5	Exome sequencing identifies recurrent mutations in NF1 and RASopathy genes in sun-exposed melanomas. <i>Nature Genetics</i> , 2015, 47, 996-1002.	21.4	348
6	Integrative Annotation of Variants from 1092 Humans: Application to Cancer Genomics. <i>Science</i> , 2013, 342, 1235-1237.	12.6	341
7	AlleleSeq: analysis of allele-specific expression and binding in a network framework. <i>Molecular Systems Biology</i> , 2011, 7, 522.	7.2	284
8	Type I interferons instigate fetal demise after Zika virus infection. <i>Science Immunology</i> , 2018, 3, .	11.9	212
9	Microbial Communities of the Upper Respiratory Tract and Otitis Media in Children. <i>MBio</i> , 2011, 2, e00245-10.	4.1	193
10	Negligible impact of rare autoimmune-locus coding-region variants on missing heritability. <i>Nature</i> , 2013, 498, 232-235.	27.8	184
11	Upper Respiratory Tract Microbial Communities, Acute Otitis Media Pathogens, and Antibiotic Use in Healthy and Sick Children. <i>Applied and Environmental Microbiology</i> , 2012, 78, 6262-6270.	3.1	172
12	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> , 2018, 115, 12565-12572.	7.1	134
13	Substrate Discrimination among Mitogen-activated Protein Kinases through Distinct Docking Sequence Motifs. <i>Journal of Biological Chemistry</i> , 2008, 283, 19511-19520.	3.4	130
14	Glycerol phosphate shuttle enzyme GPD2 regulates macrophage inflammatory responses. <i>Nature Immunology</i> , 2019, 20, 1186-1195.	14.5	126
15	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> , 2014, 82, 4607-4619.	2.2	121
16	Nanoparticles that deliver triplex-forming peptide nucleic acid molecules correct F508del CFTR in airway epithelium. <i>Nature Communications</i> , 2015, 6, 6952.	12.8	114
17	Ageing impairs both primary and secondary RIG-I signaling for interferon induction in human monocytes. <i>Science Signaling</i> , 2017, 10, .	3.6	113
18	Crystal structures of the Klenow fragment of <i>Thermus aquaticus</i> DNA polymerase I complexed with deoxyribonucleoside triphosphates. <i>Protein Science</i> , 1998, 7, 1116-1123.	7.6	102

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19	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> , 2014, 15, R53.	9.6	101
20	Ketogenic diet activates protective $\gamma\delta$ T cell responses against influenza virus infection. <i>Science Immunology</i> , 2019, 4, .	11.9	98
21	Analysis of genomic variation in non-coding elements using population-scale sequencing data from the 1000 Genomes Project. <i>Nucleic Acids Research</i> , 2011, 39, 7058-7076.	14.5	81
22	A uniform survey of allele-specific binding and expression over 1000-Genomes-Project individuals. <i>Nature Communications</i> , 2016, 7, 11101.	12.8	78
23	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> , 2015, 112, 1929-1936.	7.1	77
24	<i>Dolosigranulum pigrum</i> Cooperation and Competition in Human Nasal Microbiota. <i>MSphere</i> , 2020, 5, .	2.9	65
25	Rare SF3B1 R625 mutations in cutaneous melanoma. <i>Melanoma Research</i> , 2014, 24, 332-334.	1.2	64
26	The Lupus Susceptibility Locus Sgp3 Encodes the Suppressor of Endogenous Retrovirus Expression SNERV. <i>Immunity</i> , 2019, 50, 334-347.e9.	14.3	61
27	Alleles of a Polymorphic ETV6 Binding Site in DCDC2 Confer Risk of Reading and Language Impairment. <i>American Journal of Human Genetics</i> , 2013, 93, 19-28.	6.2	60
28	Viral Spread to Enteric Neurons Links Genital HSV-1 Infection to Toxic Megacolon and Lethality. <i>Cell Host and Microbe</i> , 2016, 19, 788-799.	11.0	58
29	<i>Haemophilus influenzae</i> 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> , 2018, 115, E3256-E3265.	7.1	57
30	Calculation of the reaction field due to off-center point multipoles. <i>Journal of Chemical Physics</i> , 1997, 107, 481-492.	3.0	55
31	Intratumoral delivery of RIG-I agonist SLR14 induces robust antitumor responses. <i>Journal of Experimental Medicine</i> , 2019, 216, 2854-2868.	8.5	49
32	Regional Differences in Airway Epithelial Cells Reveal Tradeoff between Defense against Oxidative Stress and Defense against Rhinovirus. <i>Cell Reports</i> , 2018, 24, 3000-3007.e3.	6.4	46
33	Type 3 Inositol 1,4,5-Trisphosphate Receptor Is Increased and Enhances Malignant Properties in Cholangiocarcinoma. <i>Hepatology</i> , 2020, 71, 583-599.	7.3	45
34	Forward genetics defines <i>Xylt1</i> as a key, conserved regulator of early chondrocyte maturation and skeletal length. <i>Developmental Biology</i> , 2014, 385, 67-82.	2.0	44
35	Association of sputum microbiota profiles with severity of community-acquired pneumonia in children. <i>BMC Infectious Diseases</i> , 2016, 16, 317.	2.9	44
36	Gastrointestinal Microbiota Disruption and Risk of Colonization With Carbapenem-resistant <i>Pseudomonas aeruginosa</i> in Intensive Care Unit Patients. <i>Clinical Infectious Diseases</i> , 2019, 69, 604-613.	5.8	43

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37	Heterologous quaternary structure of CXCL12 and its relationship to the CC chemokine family. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 1331-1337.	2.6	40
38	Forward genetics uncovers Transmembrane protein 107 as a novel factor required for ciliogenesis and Sonic hedgehog signaling. <i>Developmental Biology</i> , 2012, 368, 382-392.	2.0	40
39	MicroRNA: Biological and Computational Perspective. <i>Genomics, Proteomics and Bioinformatics</i> , 2005, 3, 62-72.	6.9	39
40	Theory of multivalent binding in one and two-dimensional lattices. <i>Biophysical Chemistry</i> , 1996, 61, 107-124.	2.8	36
41	Fluorescence Anisotropy Studies on the Ku-DNA Interaction. <i>Journal of Biological Chemistry</i> , 2004, 279, 42826-42835.	3.4	35
42	Antimicrobial activity of antisense peptide-peptide nucleic acid conjugates against non-typeable <i>Haemophilus influenzae</i> in planktonic and biofilm forms. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 137-144.	3.0	33
43	Forward genetics identifies Kdf1/1810019J16Rik as an essential regulator of the proliferation-differentiation decision in epidermal progenitor cells. <i>Developmental Biology</i> , 2013, 383, 201-213.	2.0	31
44	Desynchronization of the molecular clock contributes to the heterogeneity of the inflammatory response. <i>Science Signaling</i> , 2019, 12, .	3.6	30
45	Expression of IgA Proteases by <i>Haemophilus influenzae</i> in the Respiratory Tract of Adults With Chronic Obstructive Pulmonary Disease. <i>Journal of Infectious Diseases</i> , 2015, 212, 1798-1805.	4.0	29
46	The regulatory element READ1 epistatically influences reading and language, with both deleterious and protective alleles. <i>Journal of Medical Genetics</i> , 2016, 53, 163-171.	3.2	29
47	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> , 2021, 32, 1045-1046.	1.2	29
48	A phase 2 evaluation of pembrolizumab for recurrent Lynch-like versus sporadic endometrial cancers with microsatellite instability. <i>Cancer</i> , 2022, 128, 1206-1218.	4.1	28
49	Packing dimers on $(2p+1)\tilde{A}-(2q+1)$ lattices. <i>Physical Review E</i> , 2006, 73, 016106.	2.1	26
50	Effect of Fluoroquinolones and Macrolides on Eradication and Resistance of <i>Haemophilus influenzae</i> in Chronic Obstructive Pulmonary Disease. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4151-4158.	3.2	26
51	Antibodies against human endogenous retrovirus K102 envelope activate neutrophils in systemic lupus erythematosus. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	26
52	IFT56 regulates vertebrate developmental patterning by maintaining IFTB integrity and ciliary microtubule architecture. <i>Development (Cambridge)</i> , 2017, 144, 1544-1553.	2.5	25
53	Distribution of Runs and Longest Runs. <i>Journal of the American Statistical Association</i> , 2006, 101, 1253-1263.	3.1	23
54	Logarithmic corrections in the free energy of monomer-dimer model on plane lattices with free boundaries. <i>Physical Review E</i> , 2006, 74, 011102.	2.1	22

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55	Monomer-dimer model in two-dimensional rectangular lattices with fixed dimer density. <i>Physical Review E</i> , 2006, 74, 061102.	2.1	20
56	A Simple Method for Evaluating Partition Functions of Linear Polymers. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10111-10114.	2.6	16
57	Exon capture and bulk segregant analysis: rapid discovery of causative mutations using high-throughput sequencing. <i>BMC Genomics</i> , 2012, 13, 649.	2.8	16
58	<i>Streptococcus pneumoniae</i> Clonal Complex 199: Genetic Diversity and Tissue-Specific Virulence. <i>PLoS ONE</i> , 2011, 6, e18649.	2.5	16
59	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> , 2018, 86, .	2.2	15
60	Human APOBEC3G Prevents Emergence of Infectious Endogenous Retrovirus in Mice. <i>Journal of Virology</i> , 2019, 93, .	3.4	15
61	Exosomal MicroRNAs Associate With Neuropsychological Performance in Individuals With HIV Infection on Antiretroviral Therapy. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2019, 82, 514-522.	2.1	15
62	Integrating Sequencing Technologies in Personal Genomics: Optimal Low Cost Reconstruction of Structural Variants. <i>PLoS Computational Biology</i> , 2009, 5, e1000432.	3.2	14
63	Generalized Correlation Functions and Their Applications in Selection of Optimal Multiple Spaced Seeds for Homology Search. <i>Journal of Computational Biology</i> , 2007, 14, 238-254.	1.6	10
64	Adjusting for Background Mutation Frequency Biases Improves the Identification of Cancer Driver Genes. <i>IEEE Transactions on Nanobioscience</i> , 2013, 12, 150-157.	3.3	10
65	General recurrence theory of ligand binding on a three-dimensional lattice. <i>Journal of Chemical Physics</i> , 1999, 111, 4790-4799.	3.0	9
66	Differential immunomodulatory effect of PARP inhibition in BRCA1 deficient and competent tumor cells. <i>Biochemical Pharmacology</i> , 2021, 184, 114359.	4.4	8
67	Extension of Goulden's Jackson cluster method on pattern occurrences in random sequences and comparison with RÅ©gnier's Szpankowski method. <i>Journal of Difference Equations and Applications</i> , 2005, 11, 1265-1271.	1.1	7
68	MU2A's reconciling the genome and transcriptome to determine the effects of base substitutions. <i>Bioinformatics</i> , 2011, 27, 416-418.	4.1	7
69	Distributions of Runs Revisited. <i>Communications in Statistics - Theory and Methods</i> , 2015, 44, 4663-4678.	1.0	7
70	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> , 2017, 69, 489-495.	0.8	7
71	APOBEC3A regulates transcription from interferon-stimulated response elements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2011665119.	7.1	7
72	Calculating complexity of large randomized libraries. <i>Journal of Theoretical Biology</i> , 2009, 259, 641-645.	1.7	6

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73	Construction and maintenance of randomized retroviral expression libraries for transmembrane protein engineering. <i>Protein Engineering, Design and Selection</i> , 2011, 24, 311-320.	2.1	6
74	Number of appearances of events in random sequences: A new approach to non-overlapping runs. <i>Communications in Statistics - Theory and Methods</i> , 2016, 45, 6765-6772.	1.0	6
75	Joint distribution of rises, falls, and number of runs in random sequences. <i>Communications in Statistics - Theory and Methods</i> , 2019, 48, 493-499.	1.0	6
76	RUNX Binding Sites Are Enriched in Herpesvirus Genomes, and RUNX1 Overexpression Leads to Herpes Simplex Virus 1 Suppression. <i>Journal of Virology</i> , 2020, 94, .	3.4	6
77	Gastrointestinal Microbiome Disruption and Antibiotic-Associated Diarrhea in Children Receiving Antibiotic Therapy for Community-Acquired Pneumonia. <i>Journal of Infectious Diseases</i> , 2022, 226, 1109-1119.	4.0	6
78	Asymptotics of the monomer-dimer model on two-dimensional semi-infinite lattices. <i>Physical Review E</i> , 2007, 75, 051123.	2.1	5
79	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> , 2011, 135, 156101.	3.0	5
80	The <i>m</i> th longest runs of multivariate random sequences. <i>Annals of the Institute of Statistical Mathematics</i> , 2017, 69, 497-512.	0.8	5
81	Decoupling Combinatorial Complexity: a Two-Step Approach to Distributions of Runs. <i>Methodology and Computing in Applied Probability</i> , 2019, 21, 789-803.	1.2	5
82	A phase II evaluation of pembrolizumab in recurrent microsatellite instability-high (MSI-H) endometrial cancer patients with Lynch-like versus <i>MLH1</i> -1 methylated characteristics (NCT02899793).. <i>Journal of Clinical Oncology</i> , 2021, 39, 5523-5523.	1.6	5
83	Bacterial Signatures of Paediatric Respiratory Disease: An Individual Participant Data Meta-Analysis. <i>Frontiers in Microbiology</i> , 2021, 12, 711134.	3.5	5
84	Ligand binding on ladder lattices. <i>Biophysical Chemistry</i> , 1999, 81, 7-21.	2.8	4
85	Statistical Distributions of Pyrosequencing. <i>Journal of Computational Biology</i> , 2009, 16, 31-42.	1.6	4
86	Statistical Distributions of Sequencing by Synthesis with Probabilistic Nucleotide Incorporation. <i>Journal of Computational Biology</i> , 2009, 16, 817-827.	1.6	4
87	<i>Streptococcus pneumoniae</i> Serotype 6C: an Intra- and Interclonal Complex Comparison. <i>Journal of Bacteriology</i> , 2011, 193, 3409-3410.	2.2	4
88	A note on the quantitative properties of McGhee-von Hippel model. <i>Biophysical Chemistry</i> , 2002, 95, 1-6.	2.8	3
89	Keck Foundation Biotechnology Resource Laboratory, Yale University. <i>Yale Journal of Biology and Medicine</i> , 2007, 80, 195-211.	0.2	3
90	The Expectation of Sample Central Moments. <i>American Statistician</i> , 2011, 65, 198-199.	1.6	2

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91	Generating Function Methods for Run and Scan Statistics. , 2019, , 1-19.		2
92	Reply to Iñiguez et al.: ERVmap is a validated approach to mapping proviral endogenous retroviruses in the human genome. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21352-21353.	7.1	2
93	Distributions of successions of arbitrary multisets. Communications in Statistics - Theory and Methods, 2022, 51, 1693-1705.	1.0	2
94	Multiple consecutive runs of multi-state trials: Distributions of $\sum_{i=1}^n X_i$		