Peng Zhang

List of Publications by Year
in descending order

43 papers	6,907 citations	236833 25 h-index	265120 42 g-index
47 all docs	47 docs citations	47 times ranked	12092 citing authors

#	ARTICLE	IF	CITATIONS
1	Human genetic and immunological determinants of critical COVID-19 pneumonia. Nature, 2022, 603, 587-598.	13.7	216
2	Inherited IFNAR1 Deficiency in a Child with Both Critical COVID-19 Pneumonia and Multisystem Inflammatory Syndrome. Journal of Clinical Immunology, 2022, 42, 471-483.	2.0	44
3	The risk of COVID-19 death is much greater and age dependent with type I IFN autoantibodies. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2200413119.	3.3	110
4	Human OTULIN haploinsufficiency impairs cell-intrinsic immunity to staphylococcal Î±-toxin. Science, 2022, 376, eabm6380.	6.0	25
5	Respiratory viral infections in otherwise healthy humans with inherited IRF7 deficiency. Journal of Experimental Medicine, 2022, 219, .	4.2	21
6	Multibatch Cytometry Data Integration for Optimal Immunophenotyping. Journal of Immunology, 2021, 206, 206-213.	0.4	25
7	Herpes simplex encephalitis in a patient with a distinctive form of inherited IFNAR1 deficiency. Journal of Clinical Investigation, 2021, 131, .	3.9	64
8	TLR3 controls constitutive IFN-Î² antiviral immunity in human fibroblasts and cortical neurons. Journal of Clinical Investigation, 2021, 131, .	3.9	64
9	SARS-CoV-2â€"related MIS-C: A key to the viral and genetic causes of Kawasaki disease?. Journal of Experimental Medicine, 2021, 218, .	4.2	100
10	Human <i>STAT3</i> variants underlie autosomal dominant hyper-IgE syndrome by negative dominance. Journal of Experimental Medicine, 2021, 218, .	4.2	30
11	A computational approach for detecting physiological homogeneity in the midst of genetic heterogeneity. American Journal of Human Genetics, 2021, 108, 1012-1025.	2.6	6
12	Inherited PD-1 deficiency underlies tuberculosis and autoimmunity in a child. Nature Medicine, 2021, 27, 1646-1654.	15.2	65
13	X-linked recessive TLR7 deficiency in ~1% of men under 60 years old with life-threatening COVID-19. Science Immunology, 2021, 6, .	5.6	267
14	Protein music of enhanced musicality by music style guided exploration of diverse amino acid properties. Heliyon, 2021, 7, e07933.	1.4	3
15	Type I interferon autoantibodies are associated with systemic immune alterations in patients with COVID-19. Science Translational Medicine, 2021, 13, eabh2624.	5.8	155
16	Biochemically deleterious human <i>NFKB1</i> variants underlie an autosomal dominant form of common variable immunodeficiency. Journal of Experimental Medicine, 2021, 218, .	4.2	32
17	Monoclonal antibody-mediated neutralization of SARS-CoV-2 in an IRF9-deficient child. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	24
18	Inborn errors of type I IFN immunity in patients with life-threatening COVID-19. Science, 2020, 370, .	6.0	1,749

#	Article	IF	Citations
19	Autoantibodies against type I IFNs in patients with life-threatening COVID-19. Science, 2020, 370, .	6.0	1,983
20	Human T-bet Governs Innate and Innate-like Adaptive IFN-Î³ Immunity against Mycobacteria. Cell, 2020, 183, 1826-1847.e31.	13.5	83
21	De novo variants in exomes of congenital heart disease patients identify risk genes and pathways. Genome Medicine, 2020, 12, 9.	3.6	43
22	Biological Network Approaches and Applications in Rare Disease Studies. Genes, 2019, 10, 797.	1.0	30
23	SeqTailor: a user-friendly webserver for the extraction of DNA or protein sequences from next-generation sequencing data. Nucleic Acids Research, 2019, 47, W623-W631.	6.5	15
24	Human SNORA31 variations impair cortical neuron-intrinsic immunity to HSV-1 and underlie herpes simplex encephalitis. Nature Medicine, 2019, 25, 1873-1884.	15.2	76
25	CMAUP: a database of collective molecular activities of useful plants. Nucleic Acids Research, 2019, 47, D1118-D1127.	6.5	68
26	NPASS: natural product activity and species source database for natural product research, discovery and tool development. Nucleic Acids Research, 2018, 46, D1217-D1222.	6.5	177
27	Therapeutic target database update 2018: enriched resource for facilitating bench-to-clinic research of targeted therapeutics. Nucleic Acids Research, 2018, 46, D1121-D1127.	6.5	462
28	PopViz: a webserver for visualizing minor allele frequencies and damage prediction scores of human genetic variations. Bioinformatics, 2018, 34, 4307-4309.	1.8	55
29	A protein network descriptor server and its use in studying protein, disease, metabolic and drug targeted networks. Briefings in Bioinformatics, 2017, 18, bbw071.	3.2	34
30	Discovery of novel dual VEGFR2 and Src inhibitors using a multistep virtual screening approach. Future Medicinal Chemistry, 2017, 9, 7-24.	1.1	11
31	Database and Bioinformatics Studies of Probiotics. Journal of Agricultural and Food Chemistry, 2017, 65, 7599-7606.	2.4	18
32	Pharmacological relationships and ligand discovery of G protein-coupled receptors revealed by simultaneous ligand and receptor clustering. Journal of Molecular Graphics and Modelling, 2017, 76, 136-142.	1.3	1
33	PROFEAT Update: A Protein Features Web Server with Added Facility to Compute Network Descriptors for Studying Omics-Derived Networks. Journal of Molecular Biology, 2017, 429, 416-425.	2.0	36
34	HEROD: a human ethnic and regional specific omics database. Bioinformatics, 2017, 33, 3276-3282.	1.8	3
35	Towards cheminformatics-based estimation of drug therapeutic index: Predicting the protective index of anticonvulsants using a new quantitative structure-index relationship approach. Journal of Molecular Graphics and Modelling, 2016, 67, 102-110.	1.3	3
36	SVM-Prot 2016: A Web-Server for Machine Learning Prediction of Protein Functional Families from Sequence Irrespective of Similarity. PLoS ONE, 2016, 11, e0155290.	1.1	98

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37	The Assessment of the Readiness of Molecular Biomarker-Based Mobile Health Technologies for Healthcare Applications. Scientific Reports, 2015, 5, 17854.	1.6	15
38	Recent progresses in the exploration of machine learning methods as in-silico ADME prediction tools. Advanced Drug Delivery Reviews, 2015, 86, 83-100.	6.6	69
39	CFam: a chemical families database based on iterative selection of functional seeds and seed-directed compound clustering. Nucleic Acids Research, 2015, 43, D558-D565.	6.5	6
40	Clustered Distribution of Natural Product Leads of Drugs in the Chemical Space as Influenced by the Privileged Target-Sites. Scientific Reports, 2015, 5, 9325.	1.6	20
41	Therapeutic target database update 2014: a resource for targeted therapeutics. Nucleic Acids Research, 2014, 42, D1118-D1123.	6.5	116
42	A Resource for Facilitating the Development of Tools in the Education and Implementation of Genomics-Informed Personalized Medicine. Clinical Pharmacology and Therapeutics, 2014, 95, 590-591.	2.3	0
43	Therapeutic target database update 2012: a resource for facilitating target-oriented drug discovery. Nucleic Acids Research, 2012, 40, D1128-D1136.	6.5	459