

Zhaohui Qian

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

5,612
citations

471509
17
h-index

434195
31
g-index

35
all docs

35
docs citations

35
times ranked

13081
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of spike glycoprotein of SARS-CoV-2 on virus entry and its immune cross-reactivity with SARS-CoV. <i>Nature Communications</i> , 2020, 11, 1620.	12.8	2,617
2	On the origin and continuing evolution of SARS-CoV-2. <i>National Science Review</i> , 2020, 7, 1012-1023.	9.5	1,248
3	Human monoclonal antibodies block the binding of SARS-CoV-2 spike protein to angiotensin converting enzyme 2 receptor. <i>Cellular and Molecular Immunology</i> , 2020, 17, 647-649.	10.5	331
4	Innate Immune Response of Human Alveolar Type II Cells Infected with Severe Acute Respiratory Syndromeâ€“Coronavirus. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 48, 742-748.	2.9	255
5	Deciphering the bat virome catalog to better understand the ecological diversity of bat viruses and the bat origin of emerging infectious diseases. <i>ISME Journal</i> , 2016, 10, 609-620.	9.8	249
6	Role of the Spike Glycoprotein of Human Middle East Respiratory Syndrome Coronavirus (MERS-CoV) in Virus Entry and Syncytia Formation. <i>PLoS ONE</i> , 2013, 8, e76469.	2.5	210
7	Crystal structure of mouse coronavirus receptor-binding domain complexed with its murine receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10696-10701.	7.1	172
8	Identification of the Fusion Peptide-Containing Region in Betacoronavirus Spike Glycoproteins. <i>Journal of Virology</i> , 2016, 90, 5586-5600.	3.4	65
9	Crystal structure of the receptor binding domain of the spike glycoprotein of human betacoronavirus HKU1. <i>Nature Communications</i> , 2017, 8, 15216.	12.8	58
10	Ex Vivo Characterization of the Autoimmune T Cell Response in the HLA-DR1 Mouse Model of Collagen-Induced Arthritis Reveals Long-Term Activation of Type II Collagen-Specific Cells and Their Presence in Arthritic Joints. <i>Journal of Immunology</i> , 2005, 174, 3978-3985.	0.8	47
11	Identification of the Receptor-Binding Domain of the Spike Glycoprotein of Human Betacoronavirus HKU1. <i>Journal of Virology</i> , 2015, 89, 8816-8827.	3.4	46
12	A Point Mutation in the Binding Subunit of a Retroviral Envelope Protein Arrests Virus Entry at Hemifusion. <i>Journal of Virology</i> , 2004, 78, 473-481.	3.4	39
13	Isolation, propagation, genome analysis and epidemiology of HKU1 betacoronaviruses. <i>Journal of General Virology</i> , 2014, 95, 836-848.	2.9	26
14	Human Coronavirus HKU1 Infection of Primary Human Type II Alveolar Epithelial Cells: Cytopathic Effects and Innate Immune Response. <i>PLoS ONE</i> , 2013, 8, e70129.	2.5	25
15	The <i>Rhinolophus affinis</i> bat ACE2 and multiple animal orthologs are functional receptors for bat coronavirus RaTG13 and SARS-CoV-2. <i>Science Bulletin</i> , 2021, 66, 1215-1227.	9.0	24
16	Structural and Molecular Evidence Suggesting Coronavirus-driven Evolution of Mouse Receptor. <i>Journal of Biological Chemistry</i> , 2017, 292, 2174-2181.	3.4	22
17	SARS-CoV-2's origin should be investigated worldwide for pandemic prevention. <i>Lancet, The</i> , 2021, 398, 1299-1303.	13.7	19
18	On the origin of SARS-CoV-2â€“The blind watchmaker argument. <i>Science China Life Sciences</i> , 2021, 64, 1560-1563.	4.9	18

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19	An Autoantigen-Specific, Highly Restricted T Cell Repertoire Infiltrates the Arthritic Joints of Mice in an HLA-DR1 Humanized Mouse Model of Autoimmune Arthritis. <i>Journal of Immunology</i> , 2010, 185, 110-118.	0.8	16
20	Engineered Regulatory T Cells Coexpressing MHC Class II:Peptide Complexes Are Efficient Inhibitors of Autoimmune T Cell Function and Prevent the Development of Autoimmune Arthritis. <i>Journal of Immunology</i> , 2013, 190, 5382-5391.	0.8	12
21	Platform technology to generate broadly cross-reactive antibodies to α -helical epitopes in hemagglutinin proteins from influenza A viruses. <i>Biopolymers</i> , 2016, 106, 144-159.	2.4	10
22	Complementation of a Binding-Defective Retrovirus by a Host Cell Receptor Mutant. <i>Journal of Virology</i> , 2004, 78, 5766-5772.	3.4	9
23	Identification of a Critical Basic Residue on the Ecotropic Murine Leukemia Virus Receptor. <i>Journal of Virology</i> , 2003, 77, 8596-8601.	3.4	7
24	An Aromatic Side Chain Is Required at Residue 8 of SU for Fusion of Ecotropic Murine Leukemia Virus. <i>Journal of Virology</i> , 2004, 78, 508-512.	3.4	7
25	Identification of H209 as Essential for pH 8-Triggered Receptor-Independent Syncytium Formation by S Protein of Mouse Hepatitis Virus A59. <i>Journal of Virology</i> , 2018, 92, .	3.4	7
26	Glycine 29 Is Critical for Conformational Changes of the Spike Glycoprotein of Mouse Hepatitis Virus A59 Triggered by either Receptor Binding or High pH. <i>Journal of Virology</i> , 2019, 93, .	3.4	7
27	Evolutionary dynamics of the severe acute respiratory syndrome coronavirus 2 genomes. <i>Medical Review</i> , 2022, 2, 3-22.	1.2	7
28	Insights into the mechanism of membrane fusion induced by the plant defense element, plant-specific insert. <i>Journal of Biological Chemistry</i> , 2020, 295, 14548-14562.	3.4	5
29	Strategies for Designing Peptide Immunogens To Elicit α -Helical Conformation-Specific Antibodies Reactive with Native Proteins. <i>ACS Symposium Series</i> , 2012, , 93-136.	0.5	4
30	A highly efficient in vivo plasmid editing tool based on CRISPR-Cas12a and phage λ Red recombineering. <i>Journal of Genetics and Genomics</i> , 2019, 46, 455-458.	3.9	2