

Gene S Tan

List of Publications by Year in descending order

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56
papers

5,797
citations

76326

40
h-index

155660

55
g-index

61
all docs

61
docs citations

61
times ranked

6090
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadly neutralizing hemagglutinin stalk-specific antibodies require Fc γ R interactions for protection against influenza virus in vivo. <i>Nature Medicine</i> , 2014, 20, 143-151.	30.7	680
2	Vaccination with a synthetic peptide from the influenza virus hemagglutinin provides protection against distinct viral subtypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18979-18984.	7.1	273
3	Broadly Protective Monoclonal Antibodies against H3 Influenza Viruses following Sequential Immunization with Different Hemagglutinins. <i>PLoS Pathogens</i> , 2010, 6, e1000796.	4.7	251
4	Hemagglutinin stalk antibodies elicited by the 2009 pandemic influenza virus as a mechanism for the extinction of seasonal H1N1 viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2573-2578.	7.1	244
5	Influenza Viruses Expressing Chimeric Hemagglutinins: Globular Head and Stalk Domains Derived from Different Subtypes. <i>Journal of Virology</i> , 2012, 86, 5774-5781.	3.4	241
6	Proinflammatory IgG Fc structures in patients with severe COVID-19. <i>Nature Immunology</i> , 2021, 22, 67-73.	14.5	239
7	Both Neutralizing and Non-Neutralizing Human H7N9 Influenza Vaccine-Induced Monoclonal Antibodies Confer Protection. <i>Cell Host and Microbe</i> , 2016, 19, 800-813.	11.0	238
8	Hemagglutinin Stalk-Based Universal Vaccine Constructs Protect against Group 2 Influenza A Viruses. <i>Journal of Virology</i> , 2013, 87, 10435-10446.	3.4	174
9	Vaccination with Adjuvanted Recombinant Neuraminidase Induces Broad Heterologous, but Not Heterosubtypic, Cross-Protection against Influenza Virus Infection in Mice. <i>MBio</i> , 2015, 6, e02556.	4.1	173
10	Anti-HA Glycoforms Drive B Cell Affinity Selection and Determine Influenza Vaccine Efficacy. <i>Cell</i> , 2015, 162, 160-169.	28.9	171
11	Epitope specificity plays a critical role in regulating antibody-dependent cell-mediated cytotoxicity against influenza A virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11931-11936.	7.1	153
12	A Pan-H1 Anti-Hemagglutinin Monoclonal Antibody with Potent Broad-Spectrum Efficacy <i>In Vivo</i> . <i>Journal of Virology</i> , 2012, 86, 6179-6188.	3.4	150
13	A Carboxy-Terminal Trimerization Domain Stabilizes Conformational Epitopes on the Stalk Domain of Soluble Recombinant Hemagglutinin Substrates. <i>PLoS ONE</i> , 2012, 7, e43603.	2.5	146
14	Alveolar macrophages are critical for broadly-reactive antibody-mediated protection against influenza A virus in mice. <i>Nature Communications</i> , 2017, 8, 846.	12.8	134
15	<i>In Vivo</i> Bioluminescent Imaging of Influenza A Virus Infection and Characterization of Novel Cross-Protective Monoclonal Antibodies. <i>Journal of Virology</i> , 2013, 87, 8272-8281.	3.4	133
16	Assessment of Influenza Virus Hemagglutinin Stalk-Based Immunity in Ferrets. <i>Journal of Virology</i> , 2014, 88, 3432-3442.	3.4	128
17	Broadly-Reactive Neutralizing and Non-neutralizing Antibodies Directed against the H7 Influenza Virus Hemagglutinin Reveal Divergent Mechanisms of Protection. <i>PLoS Pathogens</i> , 2016, 12, e1005578.	4.7	124
18	The dynein light chain 8 binding motif of rabies virus phosphoprotein promotes efficient viral transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7229-7234.	7.1	122

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19	Preexisting human antibodies neutralize recently emerged H7N9 influenza strains. <i>Journal of Clinical Investigation</i> , 2015, 125, 1255-1268.	8.2	115
20	Characterization of a Broadly Neutralizing Monoclonal Antibody That Targets the Fusion Domain of Group 2 Influenza A Virus Hemagglutinin. <i>Journal of Virology</i> , 2014, 88, 13580-13592.	3.4	110
21	Optimal activation of Fc-mediated effector functions by influenza virus hemagglutinin antibodies requires two points of contact. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5944-E5951.	7.1	108
22	Attenuation of Rabies Virulence: Takeover by the Cytoplasmic Domain of Its Envelope Protein. <i>Science Signaling</i> , 2010, 3, ra5.	3.6	100
23	Broadly Neutralizing Hemagglutinin Stalk-Specific Antibodies Induce Potent Phagocytosis of Immune Complexes by Neutrophils in an Fc-Dependent Manner. <i>MBio</i> , 2016, 7, .	4.1	100
24	Broadly protective murine monoclonal antibodies against influenza B virus target highly conserved neuraminidase epitopes. <i>Nature Microbiology</i> , 2017, 2, 1415-1424.	13.3	96
25	Hemagglutinin Stalk-Reactive Antibodies Are Boosted following Sequential Infection with Seasonal and Pandemic H1N1 Influenza Virus in Mice. <i>Journal of Virology</i> , 2012, 86, 10302-10307.	3.4	93
26	Human antibodies targeting Zika virus NS1 provide protection against disease in a mouse model. <i>Nature Communications</i> , 2018, 9, 4560.	12.8	88
27	PPEY Motif within the Rabies Virus (RV) Matrix Protein Is Essential for Efficient Virion Release and RV Pathogenicity. <i>Journal of Virology</i> , 2008, 82, 9730-9738.	3.4	76
28	SARS-CoV-2 vaccines in advanced clinical trials: Where do we stand?. <i>Advanced Drug Delivery Reviews</i> , 2021, 172, 314-338.	13.7	75
29	Vaccination with soluble headless hemagglutinin protects mice from challenge with divergent influenza viruses. <i>Vaccine</i> , 2015, 33, 3314-3321.	3.8	73
30	A Virus-Like Particle That Elicits Cross-Reactive Antibodies to the Conserved Stem of Influenza Virus Hemagglutinin. <i>Journal of Virology</i> , 2012, 86, 11686-11697.	3.4	71
31	Hemagglutinin Stalk- and Neuraminidase-Specific Monoclonal Antibodies Protect against Lethal H10N8 Influenza Virus Infection in Mice. <i>Journal of Virology</i> , 2016, 90, 851-861.	3.4	71
32	Early non-neutralizing, afucosylated antibody responses are associated with COVID-19 severity. <i>Science Translational Medicine</i> , 2022, 14, eabm7853.	12.4	71
33	Innate Immune Response to Influenza Virus at Single-Cell Resolution in Human Epithelial Cells Revealed Paracrine Induction of Interferon Lambda 1. <i>Journal of Virology</i> , 2019, 93, .	3.4	65
34	Direct Administration in the Respiratory Tract Improves Efficacy of Broadly Neutralizing Anti-Influenza Virus Monoclonal Antibodies. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 4162-4172.	3.2	58
35	Divergent H7 Immunogens Offer Protection from H7N9 Virus Challenge. <i>Journal of Virology</i> , 2014, 88, 3976-3985.	3.4	52
36	Replication-Deficient Rabies Virus-Based Vaccines Are Safe and Immunogenic in Mice and Nonhuman Primates. <i>Journal of Infectious Diseases</i> , 2009, 200, 1251-1260.	4.0	49

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37	Guanylyl Cyclase Induced Immunotherapeutic Responses Opposing Tumor Metastases Without Autoimmunity. <i>Journal of the National Cancer Institute</i> , 2008, 100, 950-961.	6.3	48
38	Immune modulating effect by a phosphoprotein-deleted rabies virus vaccine vector expressing two copies of the rabies virus glycoprotein gene. <i>Vaccine</i> , 2008, 26, 6405-6414.	3.8	46
39	The application of reverse genetics technology in the study of rabies virus (RV) pathogenesis and for the development of novel RV vaccines. <i>Journal of NeuroVirology</i> , 2005, 11, 76-81.	2.1	44
40	Strong cellular and humoral anti-HIV Env immune responses induced by a heterologous rhabdoviral prime-boost approach. <i>Virology</i> , 2005, 331, 82-93.	2.4	44
41	Influenza A Viruses Expressing Intra- or Intergroup Chimeric Hemagglutinins. <i>Journal of Virology</i> , 2016, 90, 3789-3793.	3.4	42
42	Increasing the breadth and potency of response to the seasonal influenza virus vaccine by immune complex immunization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10172-10177.	7.1	42
43	Intravenous Inoculation of a Bat-Associated Rabies Virus Causes Lethal Encephalopathy in Mice through Invasion of the Brain via Neurosecretory Hypothalamic Fibers. <i>PLoS Pathogens</i> , 2009, 5, e1000485.	4.7	35
44	Synthetic Toll-Like Receptor 4 (TLR4) and TLR7 Ligands Work Additively via MyD88 To Induce Protective Antiviral Immunity in Mice. <i>Journal of Virology</i> , 2017, 91, .	3.4	32
45	Rabies virus nucleoprotein as a carrier for foreign antigens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9405-9410.	7.1	31
46	Neutralizing Monoclonal Antibodies against the Gn and the Gc of the Andes Virus Glycoprotein Spike Complex Protect from Virus Challenge in a Preclinical Hamster Model. <i>MBio</i> , 2020, 11, .	4.1	31
47	Cryo-electron Microscopy Structures of Chimeric Hemagglutinin Displayed on a Universal Influenza Vaccine Candidate. <i>MBio</i> , 2016, 7, e00257.	4.1	26
48	Monoclonal Antibodies with Neutralizing Activity and Fc-Effector Functions against the Machupo Virus Glycoprotein. <i>Journal of Virology</i> , 2020, 94, .	3.4	22
49	Optimization of qRT-PCR assay for zika virus detection in human serum and urine. <i>Virus Research</i> , 2019, 263, 173-178.	2.2	17
50	TNF- α + CD4+ T cells dominate the SARS-CoV-2 specific T cell response in COVID-19 outpatients and are associated with durable antibodies. <i>Cell Reports Medicine</i> , 2022, 3, 100640.	6.5	15
51	The L46P Mutant Confers a Novel Allosteric Mechanism of Resistance Toward the Influenza A Virus M2 S31N Proton Channel Blockers. <i>Molecular Pharmacology</i> , 2019, 96, 148-157.	2.3	14
52	A single-shot adenoviral vaccine provides hemagglutinin stalk-mediated protection against heterosubtypic influenza challenge in mice. <i>Molecular Therapy</i> , 2022, 30, 2024-2047.	8.2	14
53	Human Monoclonal Antibodies Potently Neutralize Zika Virus and Select for Escape Mutations on the Lateral Ridge of the Envelope Protein. <i>Journal of Virology</i> , 2019, 93, .	3.4	12
54	Generation of Escape Variants of Neutralizing Influenza Virus Monoclonal Antibodies. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	8

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55	A Method to Assess Fc-mediated Effector Functions Induced by Influenza Hemagglutinin Specific Antibodies. Journal of Visualized Experiments, 2018, , .	0.3	3
56	The Zika virus NS1 protein as a vaccine target. , 2021, , 367-376.		0