Tianyang Mao

List of Publications by Citations

44 papers	3,731 citations	20 h-index	51 g-index
51 ext. papers	5,998 ext. citations	27.4 avg, IF	4.97 L-index

#	Paper	IF	Citations
44	Longitudinal analyses reveal immunological misfiring in severe COVID-19. *Nature*, **2020**, 584, 463-469	50.4	901
43	Sex differences in immune responses that underlie COVID-19 disease outcomes. *Nature*, **2020**, 588, 315-320	50.4	556
42	Saliva or Nasopharyngeal Swab Specimens for Detection of SARS-CoV-2. *New England Journal of Medicine*, **2020**, 383, 1283-1286	59.2	507
41	Analytical sensitivity and efficiency comparisons of SARS-CoV-2 RT-qPCR primer-probe sets. *Nature Microbiology*, **2020**, 5, 1299-1305	26.6	380
40	Mouse model of SARS-CoV-2 reveals inflammatory role of type I interferon signaling. *Journal of Experimental Medicine*, **2020**, 217,	16.6	223
39	Diverse functional autoantibodies in patients with COVID-19. *Nature*, **2021**, 595, 283-288	50.4	199
38	VEGF-C-driven lymphatic drainage enables immunosurveillance of brain tumours. *Nature*, **2020**, 577, 689-694	50.4	154
37	Germinal-center development of memory B cells driven by IL-9 from follicular helper T cells. *Nature Immunology*, **2017**, 18, 921-930	19.1	98
36	Saliva is more sensitive for SARS-CoV-2 detection in COVID-19 patients than nasopharyngeal swabs		97
35	Diverse Functional Autoantibodies in Patients with COVID-19 **2021**,		65
34	Delayed production of neutralizing antibodies correlates with fatal COVID-19. *Nature Medicine*, **2021**, 27, 1178-1186	50.5	65
33	Analytical sensitivity and efficiency comparisons of SARS-COV-2 qRT-PCR primer-probe sets		51
32	Saliva viral load is a dynamic unifying correlate of COVID-19 severity and mortality **2021**,		41
31	Adaptive immune determinants of viral clearance and protection in mouse models of SARS-CoV-2. *Science Immunology*, **2021**, 6, eabl4509	28	40
30	Divergent and self-reactive immune responses in the CNS of COVID-19 patients with neurological symptoms. *Cell Reports Medicine*, **2021**, 2, 100288	18	39
29	Sex differences in immune responses to SARS-CoV-2 that underlie disease outcomes **2020**,		35
28	Kinetics of antibody responses dictate COVID-19 outcome **2020**,		31

27	Neoantigen-driven B cell and CD4 T follicular helper cell collaboration promotes anti-tumor CD8 T cell responses. *Cell*, **2021**, 184, 6101-6118.e13	56.2	29
26	Plexin B2 and Semaphorin 4C Guide T Cell Recruitment and Function in the Germinal Center. *Cell Reports*, **2017**, 19, 995-1007	10.6	28
25	Mouse model of SARS-CoV-2 reveals inflammatory role of type I interferon signaling **2020**,		27
24	Kynurenic acid underlies sex-specific immune responses to COVID-19 **2020**,		20
23	Kynurenic acid may underlie sex-specific immune responses to COVID-19. *Science Signaling*, **2021**, 14,	8.8	15
22	Longitudinal immunological analyses reveal inflammatory misfiring in severe COVID-19 patients		14
21	Mild respiratory SARS-CoV-2 infection can cause multi-lineage cellular dysregulation and myelin loss in the brain. **2022**,		13
20	Exploratory neuroimmune profiling identifies CNS-specific alterations in COVID-19 patients with neurological involvement **2020**,		12
19	Adaptive immune determinants of viral clearance and protection in mouse models of SARS-CoV-2 **2021**,		12
18	A stem-loop RNA RIG-I agonist protects against acute and chronic SARS-CoV-2 infection in mice. *Journal of Experimental Medicine*, **2022**, 219,	16.6	11
17	Unadjuvanted intranasal spike vaccine booster elicits robust protective mucosal immunity against sarbecoviruses. **2022**,		6
16	Targeting stem-loop 1 of the SARS-CoV-2 5aUTR to suppress viral translation and Nsp1 evasion.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	6
15	High-affinity, neutralizing antibodies to SARS-CoV-2 can be made in the absence of T follicular helper cells		5
14	A stem-loop RNA RIG-I agonist confers prophylactic and therapeutic protection against acute and chronic SARS-CoV-2 infection in mice **2021**,		5
13	Lack of association between pandemic chilblains and SARS-CoV-2 infection.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	5
12	Longitudinal immune profiling of a SARS-CoV-2 reinfection in a solid organ transplant recipient. *Journal of Infectious Diseases*, **2021**,	7	4
11	High-affinity, neutralizing antibodies to SARS-CoV-2 can be made without T follicular helper cells. *Science Immunology*, **2022**, 7,	28	3
10	Mouse Model of SARS-CoV-2 Reveals Inflammatory Role of Type I Interferon Signaling. *SSRN Electronic Journal*, **2020**, 3628297	1	3

9	Myeloid dysregulation and therapeutic intervention in COVID-19. *Seminars in Immunology*, **2021**, 55, 101524	10.7	2
8	PD-1 blockade-driven anti-tumor CD8+ T cell immunity requires XCR1+ dendritic cells		2
7	Case Study: Longitudinal immune profiling of a SARS-CoV-2 reinfection in a solid organ transplant recipient **2021**,		2
6	Virtual memory T cells orchestrate extralymphoid responses conducive to resident memory. *Science Immunology*, **2021**, 6, eabg9433	28	2
5	High-affinity, neutralizing antibodies to SARS-CoV-2 can be made without T follicular helper cells.. *Science Immunology*, **2021**, eabl5652	28	2
4	Multiscale PHATE Exploration of SARS-CoV-2 Data Reveals Multimodal Signatures of Disease		1
3	Longitudinal immune profiling of a SARS-CoV-2 reinfection in a solid organ transplant recipient **2021**,		1
2	Reply to: A finding of sex similarities rather than differences in COVID-19 outcomes. *Nature*, **2021**, 597, E10-E11	50.4	1
1	Endogenous Retroviruses Provide Protection Against Vaginal HSV-2 Disease.. *Frontiers in Immunology*, **2021**, 12, 758721	8.4	