Yang Yang

List of Publications by Citations

33 papers	2,440 citations	22 h-index	36 g-index
36 ext. papers	3,086 ext. citations	9.7 avg, IF	5.18 L-index

#	Paper	IF	Citations
33	A noncompeting pair of human neutralizing antibodies block COVID-19 virus binding to its receptor ACE2. *Science*, **2020**, 368, 1274-1278	33.3	682
32	Receptor usage and cell entry of bat coronavirus HKU4 provide insight into bat-to-human transmission of MERS coronavirus. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 12516-21	11.5	182
31	MERS-CoV spike protein: a key target for antivirals. *Expert Opinion on Therapeutic Targets*, **2017**, 21, 131-143	4	176
30	Receptor usage and cell entry of porcine epidemic diarrhea coronavirus. *Journal of Virology*, **2015**, 89, 6121-5	6.6	129
29	A conformation-dependent neutralizing monoclonal antibody specifically targeting receptor-binding domain in Middle East respiratory syndrome coronavirus spike protein. *Journal of Virology*, **2014**, 88, 7045-53	6.6	112
28	Searching for an ideal vaccine candidate among different MERS coronavirus receptor-binding fragments--the importance of immunofocusing in subunit vaccine design. *Vaccine*, **2014**, 32, 6170-6176	4.1	102
27	Two Mutations Were Critical for Bat-to-Human Transmission of Middle East Respiratory Syndrome Coronavirus. *Journal of Virology*, **2015**, 89, 9119-23	6.6	96
26	Crystal structure of the receptor-binding domain from newly emerged Middle East respiratory syndrome coronavirus. *Journal of Virology*, **2013**, 87, 10777-83	6.6	94
25	Structure of mouse coronavirus spike protein complexed with receptor reveals mechanism for viral entry. *PLoS Pathogens*, **2020**, 16, e1008392	7.6	93
24	Introduction of neutralizing immunogenicity index to the rational design of MERS coronavirus subunit vaccines. *Nature Communications*, **2016**, 7, 13473	17.4	77
23	Cryo-EM structure of infectious bronchitis coronavirus spike protein reveals structural and functional evolution of coronavirus spike proteins. *PLoS Pathogens*, **2018**, 14, e1007009	7.6	73
22	Cryo-Electron Microscopy Structure of Porcine Deltacoronavirus Spike Protein in the Prefusion State. *Journal of Virology*, **2018**, 92,	6.6	72
21	NAADP-dependent Ca signaling regulates Middle East respiratory syndrome-coronavirus pseudovirus translocation through the endolysosomal system. *Cell Calcium*, **2018**, 75, 30-41	4	70
20	Advances in MERS-CoV Vaccines and Therapeutics Based on the Receptor-Binding Domain. *Viruses*, **2019**, 11,	6.2	69
19	The anthelmintic praziquantel is a human serotoninergic G-protein-coupled receptor ligand. *Nature Communications*, **2017**, 8, 1910	17.4	45
18	Identification of Dihydrofuro[3,4- d]pyrimidine Derivatives as Novel HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors with Promising Antiviral Activities and Desirable Physicochemical Properties. *Journal of Medicinal Chemistry*, **2019**, 62, 1484-1501	8.3	41
17	Structural basis for potent and broad inhibition of HIV-1 RT by thiophene[3,2-]pyrimidine non-nucleoside inhibitors. *ELife*, **2018**, 7,	8.9	41

List of Publications

16	Lysosomal Proteases Are a Determinant of Coronavirus Tropism. *Journal of Virology*, **2018**, 92,	6.6	40
15	Cell Entry of Porcine Epidemic Diarrhea Coronavirus Is Activated by Lysosomal Proteases. *Journal of Biological Chemistry*, **2016**, 291, 24779-24786	5.4	29
14	The Rational Design of Therapeutic Peptides for Aminopeptidase N using a Substrate-Based Approach. *Scientific Reports*, **2017**, 7, 1424	4.9	28
13	A unified mechanism for aminopeptidase N-based tumor cell motility and tumor-homing therapy. *Journal of Biological Chemistry*, **2014**, 289, 34520-9	5.4	28
12	Structural insights into central hypertension regulation by human aminopeptidase A. *Journal of Biological Chemistry*, **2013**, 288, 25638-25645	5.4	28
11	Neutralizing antibodies for the prevention and treatment of COVID-19. *Cellular and Molecular Immunology*, **2021**, 18, 2293-2306	15.4	21
10	Control of polarized growth by the Rho family GTPase Rho4 in budding yeast: requirement of the N-terminal extension of Rho4 and regulation by the Rho GTPase-activating protein Bem2. *Eukaryotic Cell*, **2013**, 12, 368-77		20
9	The role of CD4FoxP3 regulatory T cells in the immunopathogenesis of COVID-19: implications for treatment. *International Journal of Biological Sciences*, **2021**, 17, 1507-1520	11.2	19
8	Structural basis of mismatch recognition by a SARS-CoV-2 proofreading enzyme. *Science*, **2021**, 373, 1142-1146	33.3	19
7	Structural and Molecular Evidence Suggesting Coronavirus-driven Evolution of Mouse Receptor. *Journal of Biological Chemistry*, **2017**, 292, 2174-2181	5.4	16
6	A non-competing pair of human neutralizing antibodies block COVID-19 virus binding to its receptor ACE2		13
5	Three Main Inducers of Alphacoronavirus Infection of Enterocytes: Sialic Acid, Proteases, and Low pH. *Intervirology*, **2018**, 61, 53-63	2.5	11
4	Recent advances in nanotechnology-based COVID-19 vaccines and therapeutic antibodies.. *Nanoscale*, **2022**,	7.7	5
3	Structural visualization of transcription activated by a multidrug-sensing MerR family regulator. *Nature Communications*, **2021**, 12, 2702	17.4	5
2	Structural basis of copper-efflux-regulator-dependent transcription activation. *IScience*, **2021**, 24, 102448	6.1	4
1	Structural basis for activation of Swi2/Snf2 ATPase RapA by RNA polymerase. *Nucleic Acids Research*, **2021**, 49, 10707-10716	20.1	0