Fang Li

List of Publications by Year
in descending order

53 papers	22,849 citations	81743 39 h-index	168136 53 g-index
56 all docs	56 docs citations	56 times ranked	32284 citing authors

#	Article	IF	Citations
1	Origin and evolution of pathogenic coronaviruses. Nature Reviews Microbiology, 2019, 17, 181-192.	13.6	3,993
2	Receptor Recognition by the Novel Coronavirus from Wuhan: an Analysis Based on Decade-Long Structural Studies of SARS Coronavirus. Journal of Virology, 2020, 94, .	1.5	3,520
3	Structural basis of receptor recognition by SARS-CoV-2. Nature, 2020, 581, 221-224.	13.7	3,197
4	Cell entry mechanisms of SARS-CoV-2. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11727-11734.	3.3	2,654
5	Structure, Function, and Evolution of Coronavirus Spike Proteins. Annual Review of Virology, 2016, 3, 237-261.	3.0	2,142
6	Structure of SARS Coronavirus Spike Receptor-Binding Domain Complexed with Receptor. Science, 2005, 309, 1864-1868.	6.0	1,790
7	Molecular Mechanism for Antibody-Dependent Enhancement of Coronavirus Entry. Journal of Virology, 2020, 94, .	1.5	539
8	Receptor Recognition Mechanisms of Coronaviruses: a Decade of Structural Studies. Journal of Virology, 2015, 89, 1954-1964.	1.5	484
9	Crystal structure of NL63 respiratory coronavirus receptor-binding domain complexed with its human receptor. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19970-19974.	3.3	283
10	Animal Origins of the Severe Acute Respiratory Syndrome Coronavirus: Insight from ACE2-S-Protein Interactions. Journal of Virology, 2006, 80, 4211-4219.	1.5	247
11	MERS-CoV spike protein: a key target for antivirals. Expert Opinion on Therapeutic Targets, 2017, 21, 131-143.	1.5	236
12	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, 12516-12521.	3.3	232
13	Mechanisms of Host Receptor Adaptation by Severe Acute Respiratory Syndrome Coronavirus. Journal of Biological Chemistry, 2012, 287, 8904-8911.	1.6	223
14	Receptor recognition and cross-species infections of SARS coronavirus. Antiviral Research, 2013, 100, 246-254.	1.9	219
15	Viral Infection of the Central Nervous System and Neuroinflammation Precede Blood-Brain Barrier Disruption during Japanese Encephalitis Virus Infection. Journal of Virology, 2015, 89, 5602-5614.	1.5	184
16	Receptor Usage and Cell Entry of Porcine Epidemic Diarrhea Coronavirus. Journal of Virology, 2015, 89, 6121-6125.	1.5	176
17	Crystal structure of mouse coronavirus receptor-binding domain complexed with its murine receptor. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10696-10701.	3.3	172
18	Structural Analysis of Major Species Barriers between Humans and Palm Civets for Severe Acute Respiratory Syndrome Coronavirus Infections. Journal of Virology, 2008, 82, 6984-6991.	1.5	170

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19	A Conformation-Dependent Neutralizing Monoclonal Antibody Specifically Targeting Receptor-Binding Domain in Middle East Respiratory Syndrome Coronavirus Spike Protein. Journal of Virology, 2014, 88, 7045-7053.	1.5	133
20	Evidence for a Common Evolutionary Origin of Coronavirus Spike Protein Receptor-Binding Subunits. Journal of Virology, 2012, 86, 2856-2858.	1.5	128
21	Structure of mouse coronavirus spike protein complexed with receptor reveals mechanism for viral entry. PLoS Pathogens, 2020, 16, e1008392.	2.1	126
22	Crystal Structure of Bovine Coronavirus Spike Protein Lectin Domain. Journal of Biological Chemistry, 2012, 287, 41931-41938.	1.6	124
23	Searching for an ideal vaccine candidate among different MERS coronavirus receptor-binding fragmentsâ€"The importance of immunofocusing in subunit vaccine design. Vaccine, 2014, 32, 6170-6176.	1.7	121
24	Conformational States of the Severe Acute Respiratory Syndrome Coronavirus Spike Protein Ectodomain. Journal of Virology, 2006, 80, 6794-6800.	1.5	120
25	Two Mutations Were Critical for Bat-to-Human Transmission of Middle East Respiratory Syndrome Coronavirus. Journal of Virology, 2015, 89, 9119-9123.	1.5	119
26	Crystal Structure of the Receptor-Binding Domain from Newly Emerged Middle East Respiratory Syndrome Coronavirus. Journal of Virology, 2013, 87, 10777-10783.	1.5	114
27	Introduction of neutralizing immunogenicity index to the rational design of MERS coronavirus subunit vaccines. Nature Communications, 2016, 7, 13473.	5.8	106
28	Cryo-Electron Microscopy Structure of Porcine Deltacoronavirus Spike Protein in the Prefusion State. Journal of Virology, 2018, 92, .	1.5	101
29	Cryo-EM structure of infectious bronchitis coronavirus spike protein reveals structural and functional evolution of coronavirus spike proteins. PLoS Pathogens, 2018, 14, e1007009.	2.1	96
30	A recombinant receptor-binding domain of MERS-CoV in trimeric form protects human dipeptidyl peptidase 4 (hDPP4) transgenic mice from MERS-CoV infection. Virology, 2016, 499, 375-382.	1.1	95
31	NAADP-dependent Ca2+ signaling regulates Middle East respiratory syndrome-coronavirus pseudovirus translocation through the endolysosomal system. Cell Calcium, 2018, 75, 30-41.	1.1	93
32	Cryo-EM structure of a SARS-CoV-2 omicron spike protein ectodomain. Nature Communications, 2022, 13, 1214.	5.8	93
33	A Novel Nanobody Targeting Middle East Respiratory Syndrome Coronavirus (MERS-CoV) Receptor-Binding Domain Has Potent Cross-Neutralizing Activity and Protective Efficacy against MERS-CoV. Journal of Virology, 2018, 92, .	1.5	77
34	Recombinant Receptor-Binding Domains of Multiple Middle East Respiratory Syndrome Coronaviruses (MERS-CoVs) Induce Cross-Neutralizing Antibodies against Divergent Human and Camel MERS-CoVs and Antibody Escape Mutants. Journal of Virology, 2017, 91, .	1.5	69
35	IP-10 Promotes Bloodâ€"Brain Barrier Damage by Inducing Tumor Necrosis Factor Alpha Production in Japanese Encephalitis. Frontiers in Immunology, 2018, 9, 1148.	2.2	63
36	A conserved region of nonstructural protein 1 from alphacoronaviruses inhibits host gene expression and is critical for viral virulence. Journal of Biological Chemistry, 2019, 294, 13606-13618.	1.6	61

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37	Lysosomal Proteases Are a Determinant of Coronavirus Tropism. Journal of Virology, 2018, 92, .	1.5	49
38	Novel virus-like nanoparticle vaccine effectively protects animal model from SARS-CoV-2 infection. PLoS Pathogens, 2021, 17, e1009897.	2.1	49
39	Critical Role of K1685 and K1829 in the Large Protein of Rabies Virus in Viral Pathogenicity and Immune Evasion. Journal of Virology, 2016, 90, 232-244.	1.5	46
40	Cell Entry of Porcine Epidemic Diarrhea Coronavirus Is Activated by Lysosomal Proteases. Journal of Biological Chemistry, 2016, 291, 24779-24786.	1.6	43
41	The development of Nanosota-1 as anti-SARS-CoV-2 nanobody drug candidates. ELife, 2021, 10, .	2.8	42
42	Structural Basis for Human Receptor Recognition by SARS-CoV-2 Omicron Variant BA.1. Journal of Virology, 2022, 96, e0024922.	1.5	36
43	Structural Insights into Central Hypertension Regulation by Human Aminopeptidase A. Journal of Biological Chemistry, 2013, 288, 25638-25645.	1.6	35
44	The Rational Design of Therapeutic Peptides for Aminopeptidase N using a Substrate-Based Approach. Scientific Reports, 2017, 7, 1424.	1.6	33
45	A Unified Mechanism for Aminopeptidase N-based Tumor Cell Motility and Tumor-homing Therapy. Journal of Biological Chemistry, 2014, 289, 34520-34529.	1.6	32
46	Rational Design of Zika Virus Subunit Vaccine with Enhanced Efficacy. Journal of Virology, 2019, 93, .	1.5	32
47	Elevated Human Dipeptidyl Peptidase 4 Expression Reduces the Susceptibility of hDPP4 Transgenic Mice to Middle East Respiratory Syndrome Coronavirus Infection and Disease. Journal of Infectious Diseases, 2019, 219, 829-835.	1.9	23
48	Structural and Molecular Evidence Suggesting Coronavirus-driven Evolution of Mouse Receptor. Journal of Biological Chemistry, 2017, 292, 2174-2181.	1.6	22
49	MERS Coronavirus: An Emerging Zoonotic Virus. Viruses, 2019, 11, 663.	1.5	22
50	Recent advances in nanotechnology-based COVID-19 vaccines and therapeutic antibodies. Nanoscale, 2022, 14, 1054-1074.	2.8	22
51	Structural Analysis of the Evolutionary Origins of Influenza Virus Hemagglutinin and Other Viral Lectins. Journal of Virology, 2013, 87, 4118-4120.	1.5	21
52	Vaccine booster efficiently inhibits entry of SARS-CoV-2 omicron variant. Cellular and Molecular Immunology, 2022, 19, 445-446.	4.8	19
53	Glycine 29 Is Critical for Conformational Changes of the Spike Glycoprotein of Mouse Hepatitis Virus A59 Triggered by either Receptor Binding or High pH. Journal of Virology, 2019, 93, .	1.5	7