Kai Xu

List of Publications by Year
in descending order

28 papers	1,782 citations	430874 18 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	2701 citing authors

#	Article	IF	Citations
1	Serological evidence of a pararubulavirus and a betacoronavirus in the geographically isolated Christmas Island flyingâ€fox (Pteropus natalis). Transboundary and Emerging Diseases, 2022, 69, .	3.0	2
2	Potent monoclonal antibodyâ€“mediated neutralization of a divergent Hendra virus variant. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	11
3	Functional Analysis of the Fusion and Attachment Glycoproteins of Mojiang Henipavirus. Viruses, 2021, 13, 517.	3.3	15
4	Structural basis of malaria RIFIN binding by LILRB1-containing antibodies. Nature, 2021, 592, 639-643.	27.8	8
5	Mutational fitness landscapes reveal genetic and structural improvement pathways for a vaccine-elicited HIV-1 broadly neutralizing antibody. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	21
6	Structural basis of LAIR1 targeting by polymorphic Plasmodium RIFINs. Nature Communications, 2021, 12, 4226.	12.8	1
7	The Ephb2 Receptor Uses Homotypic, Head-to-Tail Interactions within Its Ectodomain as an Autoinhibitory Control Mechanism. International Journal of Molecular Sciences, 2021, 22, 10473.	4.1	3
8	Immune Monitoring Reveals Fusion Peptide Priming to Imprint Cross-Clade HIV-Neutralizing Responses with a Characteristic Early B Cell Signature. Cell Reports, 2020, 32, 107981.	6.4	15
9	Virus-Like Particle Based Vaccines Elicit Neutralizing Antibodies against the HIV-1 Fusion Peptide. Vaccines, 2020, 8, 765.	4.4	12
10	Preclinical Development of a Fusion Peptide Conjugate as an HIV Vaccine Immunogen. Scientific Reports, 2020, 10, 3032.	3.3	36
11	Antibody Lineages with Vaccine-Induced Antigen-Binding Hotspots Develop Broad HIV Neutralization. Cell, 2019, 178, 567-584.e19.	28.9	106
12	Consistent elicitation of cross-clade HIV-neutralizing responses achieved in guinea pigs after fusion peptide priming by repetitive envelope trimer boosting. PLoS ONE, 2019, 14, e0215163.	2.5	41
13	Structural and functional analyses reveal promiscuous and species specific use of ephrin receptors by Cedar virus. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20707-20715.	7.1	39
14	Complete functional mapping of infection- and vaccine-elicited antibodies against the fusion peptide of HIV. PLoS Pathogens, 2018, 14, e1007159.	4.7	46
15	Epitope-based vaccine design yields fusion peptide-directed antibodies that neutralize diverse strains of HIV-1. Nature Medicine, 2018, 24, 857-867.	30.7	256
16	Vaccine Induction of Heterologous Tier 2 HIV-1 Neutralizing Antibodies in Animal Models. Cell Reports, 2017, 21, 3681-3690.	6.4	97
17	Fusion peptide of HIV-1 as a site of vulnerability to neutralizing antibody. Science, 2016, 352, 828-833.	12.6	310
18	An activated form of ADAM10 is tumor selective and regulates cancer stem-like cells and tumor growth. Journal of Experimental Medicine, 2016, 213, 1741-1757.	8.5	55

#	Article	IF	Citations
19	The crystal structure of DR6 in complex with the amyloid precursor protein provides insight into death receptor activation. Genes and Development, 2015, 29, 785-790.	5.9	20
20	Crystal Structure of the Pre-fusion Nipah Virus Fusion Glycoprotein Reveals a Novel Hexamer-of-Trimers Assembly. PLoS Pathogens, 2015, 11, e1005322.	4.7	59
21	Structures of netrin-1 bound to two receptors provide insight into its axon guidance mechanism. Science, 2014, 344, 1275-1279.	12.6	143
22	Crystal Structures of Lgr4 and Its Complex with R-Spondin1. Structure, 2013, 21, 1683-1689.	3.3	57
23	Crystal Structure of the Hendra Virus Attachment G Glycoprotein Bound to a Potent Cross-Reactive Neutralizing Human Monoclonal Antibody. PLoS Pathogens, 2013, 9, e1003684.	4.7	54
24	Insights into Eph receptor tyrosine kinase activation from crystal structures of the EphA4 ectodomain and its complex with ephrin-A5. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14634-14639.	7.1	62
25	Henipavirus Mediated Membrane Fusion, Virus Entry and Targeted Therapeutics. Viruses, 2012, 4, 280-308.	3.3	59
26	Ephrin-B2 and ephrin-B3 as functional henipavirus receptors. Seminars in Cell and Developmental Biology, 2012, 23, 116-123.	5.0	49
27	New Insights into the Hendra Virus Attachment and Entry Process from Structures of the Virus G Glycoprotein and Its Complex with Ephrin-B2. PLoS ONE, 2012, 7, e48742.	2.5	32
28	Host cell recognition by the henipaviruses: Crystal structures of the Nipah G attachment glycoprotein and its complex with ephrin-B3. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9953-9958.	7.1	172