

Kai Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/197211/publications.pdf>

Version: 2024-02-01

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	Fusion peptide of HIV-1 as a site of vulnerability to neutralizing antibody. <i>Science</i> , 2016, 352, 828-833.	12.6	310
2	Epitope-based vaccine design yields fusion peptide-directed antibodies that neutralize diverse strains of HIV-1. <i>Nature Medicine</i> , 2018, 24, 857-867.	30.7	256
3	Host cell recognition by the henipaviruses: Crystal structures of the Nipah G attachment glycoprotein and its complex with ephrin-B3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9953-9958.	7.1	172
4	Structures of netrin-1 bound to two receptors provide insight into its axon guidance mechanism. <i>Science</i> , 2014, 344, 1275-1279.	12.6	143
5	Antibody Lineages with Vaccine-Induced Antigen-Binding Hotspots Develop Broad HIV Neutralization. <i>Cell</i> , 2019, 178, 567-584.e19.	28.9	106
6	Vaccine Induction of Heterologous Tier 2 HIV-1 Neutralizing Antibodies in Animal Models. <i>Cell Reports</i> , 2017, 21, 3681-3690.	6.4	97
7	Insights into Eph receptor tyrosine kinase activation from crystal structures of the EphA4 ectodomain and its complex with ephrin-A5. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14634-14639.	7.1	62
8	Henipavirus Mediated Membrane Fusion, Virus Entry and Targeted Therapeutics. <i>Viruses</i> , 2012, 4, 280-308.	3.3	59
9	Crystal Structure of the Pre-fusion Nipah Virus Fusion Glycoprotein Reveals a Novel Hexamer-of-Trimers Assembly. <i>PLoS Pathogens</i> , 2015, 11, e1005322.	4.7	59
10	Crystal Structures of Lgr4 and Its Complex with R-Spondin1. <i>Structure</i> , 2013, 21, 1683-1689.	3.3	57
11	An activated form of ADAM10 is tumor selective and regulates cancer stem-like cells and tumor growth. <i>Journal of Experimental Medicine</i> , 2016, 213, 1741-1757.	8.5	55
12	Crystal Structure of the Hendra Virus Attachment G Glycoprotein Bound to a Potent Cross-Reactive Neutralizing Human Monoclonal Antibody. <i>PLoS Pathogens</i> , 2013, 9, e1003684.	4.7	54
13	Ephrin-B2 and ephrin-B3 as functional henipavirus receptors. <i>Seminars in Cell and Developmental Biology</i> , 2012, 23, 116-123.	5.0	49
14	Complete functional mapping of infection- and vaccine-elicited antibodies against the fusion peptide of HIV. <i>PLoS Pathogens</i> , 2018, 14, e1007159.	4.7	46
15	Consistent elicitation of cross-clade HIV-neutralizing responses achieved in guinea pigs after fusion peptide priming by repetitive envelope trimer boosting. <i>PLoS ONE</i> , 2019, 14, e0215163.	2.5	41
16	Structural and functional analyses reveal promiscuous and species specific use of ephrin receptors by Cedar virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20707-20715.	7.1	39
17	Preclinical Development of a Fusion Peptide Conjugate as an HIV Vaccine Immunogen. <i>Scientific Reports</i> , 2020, 10, 3032.	3.3	36
18	New Insights into the Hendra Virus Attachment and Entry Process from Structures of the Virus G Glycoprotein and Its Complex with Ephrin-B2. <i>PLoS ONE</i> , 2012, 7, e48742.	2.5	32

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19	Mutational fitness landscapes reveal genetic and structural improvement pathways for a vaccine-elicited HIV-1 broadly neutralizing antibody. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	21
20	The crystal structure of DR6 in complex with the amyloid precursor protein provides insight into death receptor activation. <i>Genes and Development</i> , 2015, 29, 785-790.	5.9	20
21	Immune Monitoring Reveals Fusion Peptide Priming to Imprint Cross-Clade HIV-Neutralizing Responses with a Characteristic Early B Cell Signature. <i>Cell Reports</i> , 2020, 32, 107981.	6.4	15
22	Functional Analysis of the Fusion and Attachment Glycoproteins of Mojiang Henipavirus. <i>Viruses</i> , 2021, 13, 517.	3.3	15
23	Virus-Like Particle Based Vaccines Elicit Neutralizing Antibodies against the HIV-1 Fusion Peptide. <i>Vaccines</i> , 2020, 8, 765.	4.4	12
24	Potent monoclonal antibody-mediated neutralization of a divergent Hendra virus variant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	11
25	Structural basis of malaria RIFIN binding by LILRB1-containing antibodies. <i>Nature</i> , 2021, 592, 639-643.	27.8	8
26	The Ephb2 Receptor Uses Homotypic, Head-to-Tail Interactions within Its Ectodomain as an Autoinhibitory Control Mechanism. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10473.	4.1	3
27	Serological evidence of a pararubulavirus and a betacoronavirus in the geographically isolated Christmas Island flying fox (<i>Pteropus natalis</i>). <i>Transboundary and Emerging Diseases</i> , 2022, 69, .	3.0	2
28	Structural basis of LAIR1 targeting by polymorphic Plasmodium RIFINs. <i>Nature Communications</i> , 2021, 12, 4226.	12.8	1