

Yanxiang Cui

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,130
citations

516710

16
h-index

434195

31
g-index

34
all docs

34
docs citations

34
times ranked

1777
citing authors

#	ARTICLE	IF	CITATIONS
1	Malaria parasite translocon structure and mechanism of effector export. <i>Nature</i> , 2018, 561, 70-75.	27.8	169
2	Structures and operating principles of the replisome. <i>Science</i> , 2019, 363, .	12.6	119
3	A unified mechanism for intron and exon definition and back-splicing. <i>Nature</i> , 2019, 573, 375-380.	27.8	114
4	Strain relaxation and Sn segregation in GeSn epilayers under thermal treatment. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	95
5	Structure of the yeast spliceosomal postcatalytic P complex. <i>Science</i> , 2017, 358, 1278-1283.	12.6	87
6	Conformation-Directed Formation of Self-Healing Diblock Copolypeptide Hydrogels via Polyion Complexation. <i>Journal of the American Chemical Society</i> , 2017, 139, 15114-15121.	13.7	72
7	Structure of the human ClC-1 chloride channel. <i>PLoS Biology</i> , 2019, 17, e3000218.	5.6	66
8	Cracking the DNA Code for V(D)J Recombination. <i>Molecular Cell</i> , 2018, 70, 358-370.e4.	9.7	61
9	In situ structures of RNA-dependent RNA polymerase inside bluetongue virus before and after uncoating. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16535-16540.	7.1	34
10	Conservative transcription in three steps visualized in a double-stranded RNA virus. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 1023-1034.	8.2	33
11	Genome organization and interaction with capsid protein in a multipartite RNA virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10673-10680.	7.1	31
12	Cutting antiparallel DNA strands in a single active site. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 119-126.	8.2	25
13	Investigation on interface related charge trap and loss characteristics of high-k based trapping structures by electrostatic force microscopy. <i>Applied Physics Letters</i> , 2011, 99, 223504.	3.3	22
14	Cryo-EM structure of the human $\alpha 5 \beta 3$ GABAA receptor. <i>Cell Research</i> , 2018, 28, 958-961.	12.0	21
15	pH-dependent gating mechanism of the <i>Helicobacter pylori</i> urea channel revealed by cryo-EM. <i>Science Advances</i> , 2019, 5, eaav8423.	10.3	20
16	Discovery and structural characterization of a therapeutic antibody against coxsackievirus A10. <i>Science Advances</i> , 2018, 4, eaat7459.	10.3	19
17	Improved performance of non-volatile memory with Au-Al ₂ O ₃ core-shell nanocrystals embedded in HfO ₂ matrix. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	16
18	Atomic structure of the human herpesvirus 6B capsid and capsid-associated tegument complexes. <i>Nature Communications</i> , 2019, 10, 5346.	12.8	16

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19	How mouse RAG recombinase avoids DNA transposition. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 127-133.	8.2	16
20	Structures of capsid and capsid-associated tegument complex inside the Epstein-Barr virus. <i>Nature Microbiology</i> , 2020, 5, 1285-1298.	13.3	14
21	Bluetongue virus capsid protein VP5 perforates membranes at low endosomal pH during viral entry. <i>Nature Microbiology</i> , 2021, 6, 1424-1432.	13.3	14
22	Effects of Interfacial Fluorination on Performance Enhancement of High-k-Based Charge Trap Flash Memory. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 070201.	1.5	10
23	Determining polarity and dislocation core structures at atomic level for epitaxial AlN/(0 0 0 1)6H-SiC from a single image in HRTEM. <i>Ultramicroscopy</i> , 2013, 126, 77-84.	1.9	9
24	Performance-improved nonvolatile memory with aluminum nanocrystals embedded in Al ₂ O ₃ for high temperature applications. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	8
25	Atomic Structures of Anthrax Prechannel Bound with Full-Length Lethal and Edema Factors. <i>Structure</i> , 2020, 28, 879-887.e3.	3.3	8
26	Atomic Structure of the Francisella T6SS Central Spike Reveals a Unique \pm -Helical Lid and a Putative Cargo. <i>Structure</i> , 2019, 27, 1811-1819.e6.	3.3	6
27	Atomic Structure of the Trichomonas vaginalis Double-Stranded RNA Virus 2. <i>MBio</i> , 2021, 12, .	4.1	6
28	Multiple conformations of trimeric spikes visualized on a non-enveloped virus. <i>Nature Communications</i> , 2022, 13, 550.	12.8	6
29	Investigation of non-linear imaging in high-resolution transmission electron microscopy. <i>Microscopy (Oxford, England)</i> , 2016, 65, 465-472.	1.5	4
30	Effect of bandgap engineering on the performance and reliability of a high-k-based nanoscale charge trap flash memory. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 065104.	2.8	3
31	The impact of nanoporous SiN _x interlayer growth position on high-quality GaN epitaxial films. <i>Science Bulletin</i> , 2011, 56, 2739-2743.	1.7	2
32	Suppressing the spread length of threading dislocations in AlSb/GaSb superlattice grown on (001) InP substrate. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 115, 1239-1243.	2.3	2
33	Identification and architecture of a putative secretion tube across mycobacterial outer envelope. <i>Science Advances</i> , 2021, 7, .	10.3	2
34	High Performance MAHAHOS Memory Devices: Charge Trapping and Distribution in Bandgap Engineered Structure. , 2012, , .		0