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Publications

PUBLICATIONS

- **Structure-guided engineering of type I-F CASTs for targeted gene insertion in human cells** *NATURE COMMUNICATIONS*
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- **Protein-primed homopolymer synthesis by an antiviral reverse transcriptase** *NATURE*
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- **De novo gene synthesis by an antiviral reverse transcriptase** *SCIENCE*
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- **Novel molecular requirements for CRISPR RNA-guided transposition** *NUCLEIC ACIDS RESEARCH*
Walker, M. W. G., Klompe, S. E., Zhang, D. J., Sternberg, S. H.
2023; 51 (9): 4519-4535
- **Coordinated synthesis of double-stranded DNA by a dual reverse transcriptase immune system.** *bioRxiv : the preprint server for biology*
Wang, M., Yoneyama, K., Zedaveinyte, R., Ishikawa, J., Tang, S., Le, H. C., Wiegand, T., Ramirez, J. L., Nagahata, N., Ma, Y., Zhang, D. J., Helmeczi, E., Berisa, et al
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- **Antiviral reverse transcriptases reveal the evolutionary origin of telomerase.** *bioRxiv : the preprint server for biology*
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- **The All of Us Research Program's Social Media Outreach to Underrepresented Populations: Mixed Methods Analysis.** *Journal of medical Internet research*
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2025; 27: e63793
- **Glass Half Full or Empty: Illuminating the Human Transcriptome - Inspiring Underserved High School Students with an Experiential Biology Laboratory Research Experience**
Nelson, T., Zhang, D., Sorid, S., Chang, T., Bajaj, N., Viola, J., Heckelman, L., Pollack, R.
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- **Engineering CRISPR-Associated Transposons for Facile Tagging of Endogenous Proteins**
Zhang, D., Klompe, S., Walker, M., Lampe, G., Liang, A., Sternberg, S.
ELSEVIER.2024: S481

- **Sinophobic Epidemics in America: Historical Discontinuity in Disease-related Yellow Peril Imaginaries of the Past and Present** *JOURNAL OF MEDICAL HUMANITIES*
Zhang, D.
2021; 42 (1): 63-80