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Publications

PUBLICATIONS

- **An ultrasound-scanning in vivo light source.** *Nature materials*
Jiang, S., Malinao, M. G., Yang, F., Zeng, Y., Hou, S. S., Wu, X., Rommelfanger, N. J., Chaunsali, L., Zhao, S., Cui, H., Ding, J., Chen, X., Zhou, et al
2026
- **Color-neutral and reversible tissue transparency enables longitudinal deep-tissue imaging in live mice.** *Proceedings of the National Academy of Sciences of the United States of America*
Keck, C. H., Schmidt, E. L., Roth, R. H., Floyd, B. M., Tsai, A. P., Garcia, H. B., Cui, M., Chen, X., Wang, C., Park, A., Zhao, S., Liao, P. A., Casey, et al
2025; 122 (35): e2504264122
- **Achieving transient and reversible optical transparency in live mice with tartrazine.** *Nature protocols*
Keck, C. H., Schmidt, E. L., Zhao, S., Liu, Z., Zhang, L., Cui, M., Chen, X., Wang, C., Cui, H., Brongersma, M. L., Hong, G.
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- **Color-neutral and reversible tissue transparency enables longitudinal deep-tissue imaging in live mice.** *bioRxiv : the preprint server for biology*
Keck, C. H., Schmidt, E. L., Roth, R. H., Floyd, B. M., Tsai, A. P., Garcia, H. B., Cui, M., Chen, X., Wang, C., Park, A., Zhao, S., Liao, P. A., Casey, et al
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- **Achieving optical transparency in live animals with absorbing molecules.** *Science (New York, N.Y.)*
Ou, Z., Duh, Y. S., Rommelfanger, N. J., Keck, C. H., Jiang, S., Brinson, K., Zhao, S., Schmidt, E. L., Wu, X., Yang, F., Cai, B., Cui, H., Qi, et al
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- **Wireless deep-brain neuromodulation using photovoltaics in the second near-infrared spectrum.** *Device*
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2023; 1 (4)
- **Quantification of antibody avidities and accurate detection of SARS-CoV-2 antibodies in serum and saliva on plasmonic substrates.** *Nature biomedical engineering*
Liu, T. n., Hsiung, J. n., Zhao, S. n., Kost, J. n., Sreedhar, D. n., Hanson, C. V., Olson, K. n., Keare, D. n., Chang, S. T., Bliden, K. P., Gurbel, P. A., Tantry, U. S., Roche, et al
2020
- **Diagnosis of Zika virus infection on a nanotechnology platform.** *Nature medicine*
Zhang, B., Pinsky, B. A., Ananta, J. S., Zhao, S., Arulkumar, S., Wan, H., Sahoo, M. K., Abeynayake, J., Waggoner, J. J., Hopes, C., Tang, M., Dai, H.
2017
- **Validation of IgG, IgM multiplex plasmonic gold platform in French clinical cohorts for the serodiagnosis and follow-up of Toxoplasma gondii infection.** *Diagnostic microbiology and infectious disease*
Pomares, C., Zhang, B., Arulkumar, S., Gonfrier, G., Marty, P., Zhao, S., Cheng, S., Tang, M., Dai, H., Montoya, J. G.
2017; 87 (3): 213-218
- **Through-skull fluorescence imaging of the brain in a new near-infrared window** *NATURE PHOTONICS*
Hong, G., Diao, S., Chang, J., Antaris, A. L., Chen, C., Zhang, B., Zhao, S., Atochin, D. N., Huang, P. L., Andreasson, K. I., Kuo, C. J., Dai, H.

