

## Liwei Zheng

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### Publications

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#### PUBLICATIONS

- **Direct Optical Detection of Factor Xa Activity in Minimally Processed Whole Blood.** *ACS sensors*  
Cartwright, A. P., Wollant, B. C., York, E. S., Zheng, L., Yee, S., Chau, H. C., Batsuli, G., Soh, H. T.  
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- **Multiplexed Assay for Small-Molecule Quantification via Photo-cross-linking of Structure Switching Aptamers.** *ACS omega*  
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- **UCL1 is a potential molecular indicator and therapeutic target for neuroendocrine carcinomas.** *Cell reports. Medicine*  
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- **An antibody-based molecular switch for continuous small-molecule biosensing.** *Science advances*  
Thompson, I. A., Saunders, J., Zheng, L., Hariri, A. A., Maganzini, N., Cartwright, A. P., Pan, J., Yee, S., Dory, C., Eisenstein, M., Vuckovic, J., Soh, H. T.  
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- **A massively parallel screening platform for converting aptamers into molecular switches.** *Nature communications*  
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- **A system for multiplexed selection of aptamers with exquisite specificity without counterselection.** *Proceedings of the National Academy of Sciences of the United States of America*  
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- **Independent Generation and Reactivity of 2'-Deoxyguanosin-N1-yl Radical.** *The Journal of organic chemistry*  
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- **Rational design of aptamer switches with programmable pH response.** *Nature communications*  
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- **Independent Generation and Time-Resolved Detection of 2'-Deoxyguanosin-N2-yl Radical.** *Angewandte Chemie (International ed. in English)*  
Zheng, L., Dai, X., Su, H., Greenberg, M. M.  
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- **Metal-Organic Framework Nanocarriers for Drug Delivery in Biomedical Applications** *NANO-MICRO LETTERS*  
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- **Metal-Organic Framework Nanocarriers for Drug Delivery in Biomedical Applications.** *Nano-micro letters*  
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- **Positional Dependence of DNA Hole Transfer Efficiency in Nucleosome Core Particles** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*  
Sun, H., Zheng, L., Yang, K., Greenberg, M. M.  
2019; 141 (26): 10154–58
- **Independent Generation of Reactive Intermediates Leads to an Alternative Mechanism for Strand Damage Induced by Hole Transfer in Poly(dA-T) Sequences** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*  
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- **Independent Photochemical Generation and Reactivity of Nitrogen-Centered Purine Nucleoside Radicals from Hydrazines** *ORGANIC LETTERS*  
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- **Independent generation of neutral purine radicals involved in DNA damage**  
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- **Independent generation of 2'-deoxyadenosine-N6-yl radical and its reactivity in DNA**  
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- **Aminyl Radical Generation via Tandem Norrish Type I Photocleavage, beta-Fragmentation: Independent Generation and Reactivity of the 2'-Deoxyadenosin-N6-yl Radical** *JOURNAL OF ORGANIC CHEMISTRY*  
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