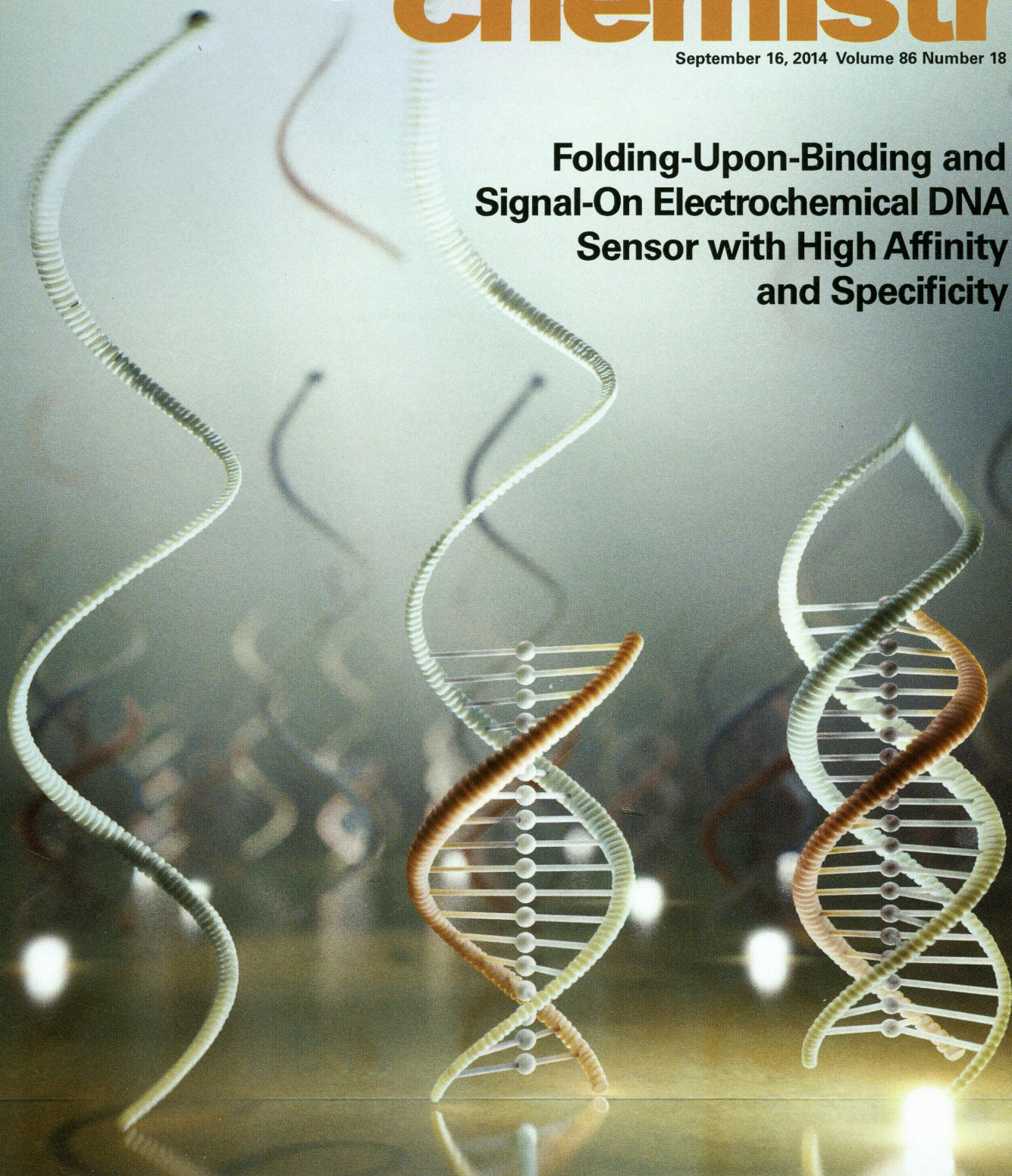


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analytical chemistry

September 16, 2014 Volume 86 Number 18

**Folding-Upon-Binding and
Signal-On Electrochemical DNA
Sensor with High Affinity
and Specificity**




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ON THE COVER: Electrochemical signal-on DNA sensor: a redox-labeled triplex-forming DNA probe (left), attached to a gold electrode, first binds a specific DNA sequence to form a duplex DNA (center) and then folds back to form a DNA triplex structure (right) leading to a current signal increase. Image created by Marco Tripodi.

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8897  [dx.doi.org/10.1021/ac5022908](https://doi.org/10.1021/ac5022908)

Open Carbon Nanopipettes as Resistive-Pulse Sensors, Rectification Sensors, and Electrochemical Nanoprobes

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8902  [dx.doi.org/10.1021/ac502646x](https://doi.org/10.1021/ac502646x)

Green Synthesis of Luminescent Nitrogen-Doped Carbon Dots from Milk and Its Imaging Application

Li Wang and H. Susan Zhou*

8906  [dx.doi.org/10.1021/ac502790j](https://doi.org/10.1021/ac502790j)

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8916  [dx.doi.org/10.1021/ac5015673](https://doi.org/10.1021/ac5015673)

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8922  [dx.doi.org/10.1021/ac501870w](https://doi.org/10.1021/ac501870w)

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[dx.doi.org/10.1021/ac501833a](https://doi.org/10.1021/ac501833a)

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Discovery of a Chemical Modification by Citric Acid in a Recombinant Monoclonal Antibody

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[dx.doi.org/10.1021/ac502656a](https://doi.org/10.1021/ac502656a)

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[dx.doi.org/10.1021/ac502838t](https://doi.org/10.1021/ac502838t)









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