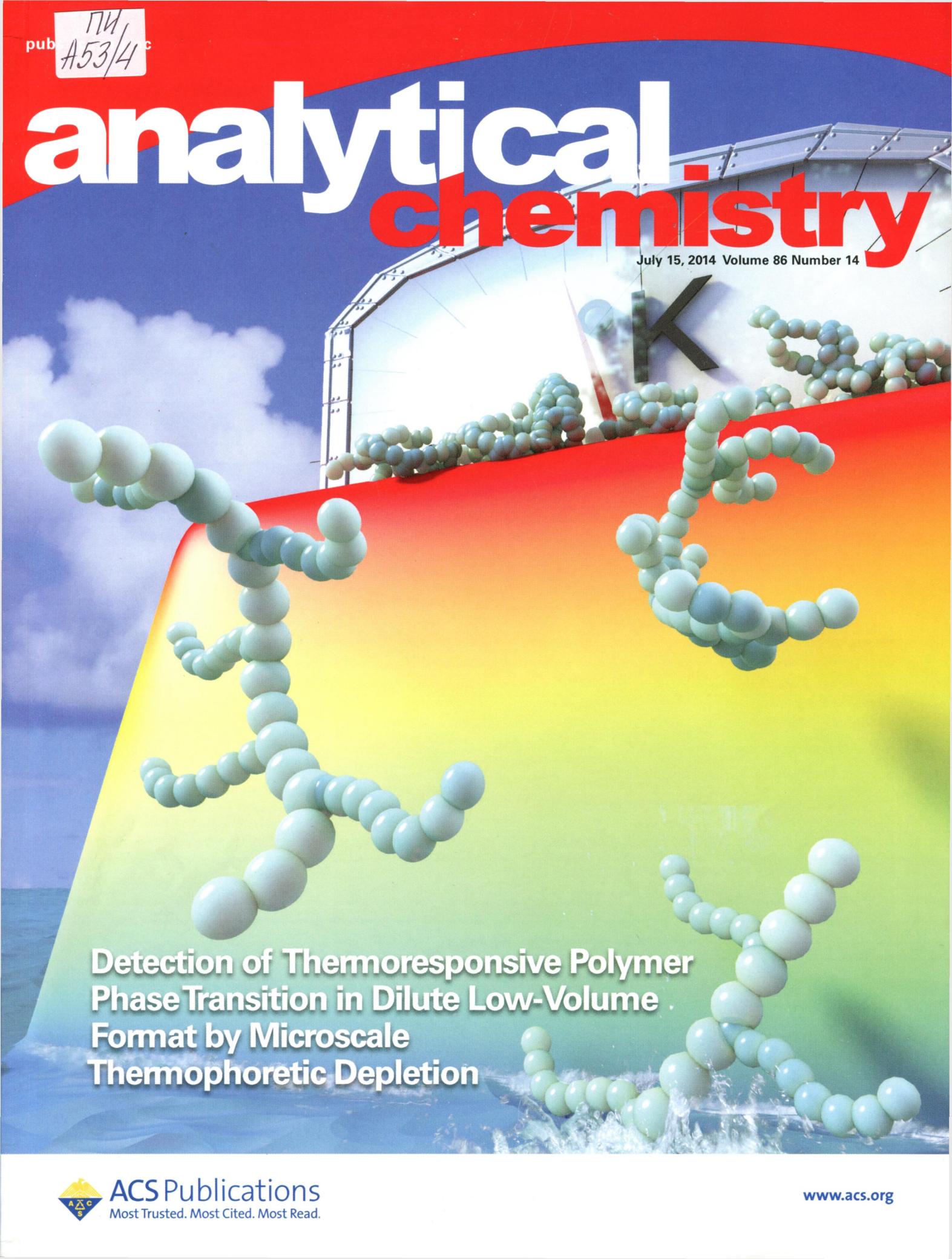


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# analytical chemistry

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**Detection of Thermoresponsive Polymer Phase Transition in Dilute Low-Volume Format by Microscale Thermophoretic Depletion**



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**ON THE COVER:** Thermoresponsive polymers exposed to a temperature gradient migrate to the cool region due to thermophoretic diffusion. Analysis of polymer thermodiffusion reveals the phase transition behavior with greatly reduced sample consumption. Image courtesy of Christoph Hohmann, Nanosystems Initiative Munich (NIM).

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[dx.doi.org/10.1021/ac500786s](https://doi.org/10.1021/ac500786s)**Platform for Identification of *Salmonella* Serovar Differentiating Bacterial Proteins by Top-Down Mass Spectrometry: *S. Typhimurium* vs *S. Heidelberg***

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