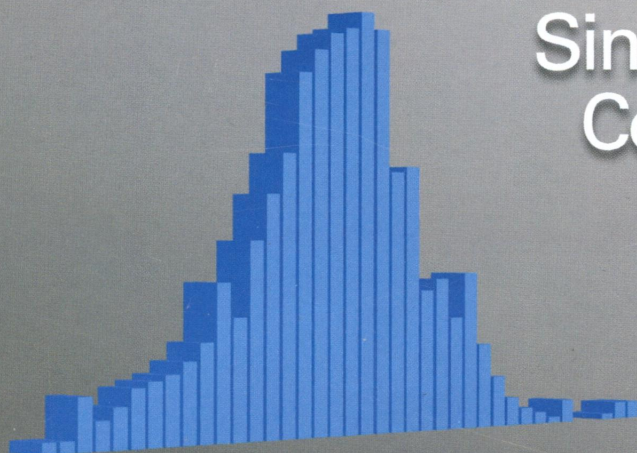


analytical chemistry

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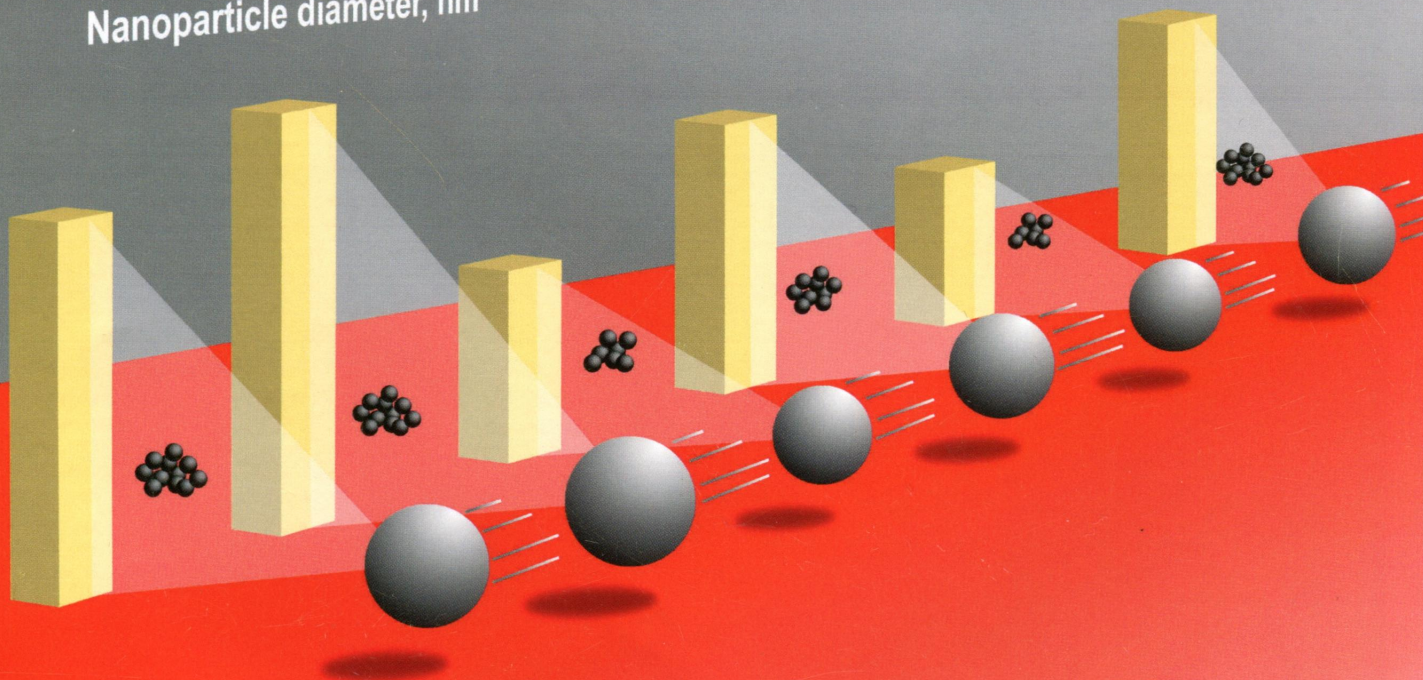
Number of pulses



Nanoparticle diameter, nm

Single Particle Inductively Coupled Plasma Mass Spectrometry: A Powerful Tool for Nanoanalysis

Pulse intensity



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ON THE COVER: Single particle inductively coupled plasma mass spectrometry allows detection of nanoparticles as individual pulses. Their intensity is related to the nanoparticle size, whereas their counting is proportional to the number concentration. Image created by Francisco Laborda.

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2733  [dx.doi.org/10.1021/ac404151n](https://doi.org/10.1021/ac404151n)

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2740  [dx.doi.org/10.1021/ac404160v](https://doi.org/10.1021/ac404160v)

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A Monochromatic Electrochemiluminescence Sensing Strategy for Dopamine with Dual-Stabilizers-Capped CdSe Quantum Dots as Emitters

Shufeng Liu, Xin Zhang, Yanmin Yu, and Guizheng Zou*

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[dx.doi.org/10.1021/ac500088m](https://doi.org/10.1021/ac500088m)

Facile and Rapid Generation of Large-Scale Microcollagen Gel Array for Long-Term Single-Cell 3D Culture and Cell Proliferation Heterogeneity Analysis

Zhichao Guan, Shasha Jia, Zhi Zhu, Mingxia Zhang, and Chaoyong James Yang*