

Smaller, Faster, Cheaper, Better: Good for Electrons, Why Not Molecules?

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The impact of miniaturization on electronic devices and the subsequent influence on our ability to process vast quantities of data are apparent to us all. Electronic devices is an example where we have been able to realize multiple benefits simultaneously, i.e., smaller devices that are cheaper while providing improved performance. In many regards, we are seeing similar multiple benefits in microfabricated fluidic devices. While most activities, to date, in microfluidics have been focused on assays, there may well be similar benefits to performing chemical synthesis in domains of reduced size.

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