
Automatic water pump solar energy

Microfluidics is the engineering or use of devices that apply fluid flow to channels smaller than 1 millimetre in at least one dimension. Microfluidic devices can reduce reagent consumption, ...

Explore microfluidics: principles, applications, innovations, and challenges shaping science, medicine, and industry.

Microfluidics is a relatively newly emerged field based on the combined principles of physics, chemistry, biology, fluid dynamics, microelectronics, and material science. Various materials ...

In this thesis, the production of polymer microrods used and the fabrication of the microchannels were discussed in full details. Also the imaging techniques used to visualize movements of the ...

We describe a microfluidic device for studying the orientational dynamics of microrods. The device enables us to experimentally investigate the tumbling of microrods immersed in the shear flow ...

Micro particles come in a wide variety of architectural designs and shapes. It is time to look beyond the conventional spherical morphology and focus on anisotropic systems. Rod-shaped ...

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