Special Issue

Recent Progress in Micropumps

Message from the Guest Editor

This Special Issue aims to exchange state-of-the-art research ideas related to recent developments and applications of micropumps. With the history of micropump research, the actuation design and fabrication technique of micropumps have gone through a spectrum of technologies and materials and, as we know, the spectrum of fabrication materials and associated fabrication processes are extremely broad. Similarly, the potential applications of micropumps have multiplied from systems for precision drug delivery and chemical analysis to the high throughput of ventricular assist devices. Accordingly, the main objective of this Special Issue is to provide an opportunity to share and discuss theoretical science, numerical models, fabrication developments, and novel applications of micropumps. We welcome contributions describing new research and developments concerning micropumps. This Special Issue will take into consideration the publication of research or review articles addressing recent discoveries and developments in micropumps. These papers will hopefully bring out fundamental insights and more innovative ideas in this field.

Guest Editor

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