



## Hacking Consumer Electronics for Biosensing

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### Message from the Guest Editors

Hacking consumer electronics for biosensing is an unorthodox approach, which might be more complicated than using standard research-grade parts. However, leveraging the billions of USD invested, mass-produced, high-quality, and low-cost components in consumer electronics leads to many benefits, such as higher performance, shorter time-to-market, and lower production cost. This approach has resulted in high value-adding technologies/patents and has given birth to startup companies easily. For example, consumer electronics hacking-based biosensing research uses a Blu-ray drive for disease diagnostics, became a startup (BluSense Diagnostics), and is nominated for the 2021 European Inventor Award.

Furthermore, the consumer electronics hacking-based publication generally attracts more attention and citation than a regular research paper due to the low cost and because off-the-shelf consumer electronics are easy to access from well-funded for resource researchers worldwide.





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