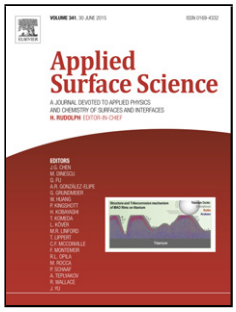

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Oriented Growth of Polyaniline Nanofiber Arrays onto the Glass and Flexible Substrates Using a Facile Method

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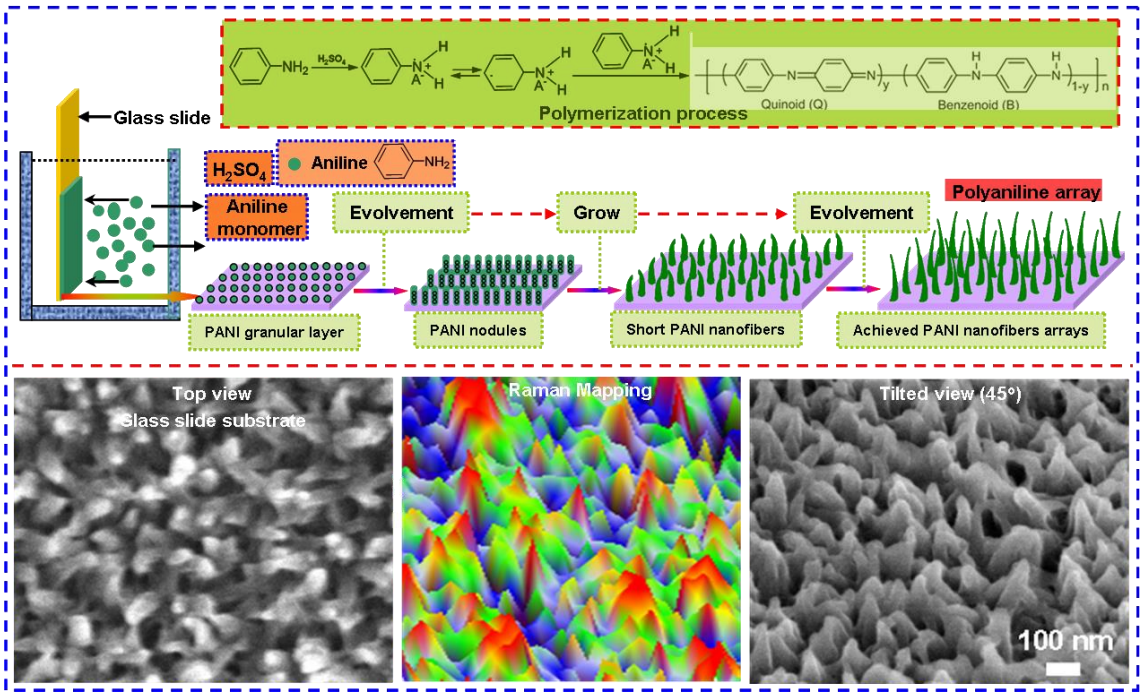
A Graphical Abstract



<InlineImage1>

A simple and facile one-step template-free way to assemble highly oriented arrays of PANI nanofibers using chemical oxidative polymerization on the glass and polymer flexible substrates. The as-prepared PANI nanofiber arrays can be potentially used in flexible low-voltage electronics, anti coatings, self-cleaning surfaces and chemical sensors, and so on.

Highlights