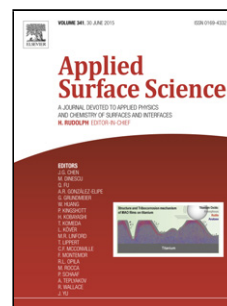


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Title: Fabrication of superhydrophobic surface with controlled adhesion by designing heterogeneous chemical composition

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Highlights

Tunable adhesive superhydrophobic surface was prepared by designing heterogeneous surface chemical composition.

The slide angles can be adjusted from extremely low (less than 10°) to very high (180°).

Superhydrophobic surface with excellent acid-base resistance and anti-corrosion.

A demonstration of droplet-based micro-reactor and selective transportation of waters different volume was provided.

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