

Supplementary Material

Bio-Inspired Hierarchical Micro-/Nanostructures for Anti-Icing Solely Fabricated by Metal-Assisted Chemical Etching

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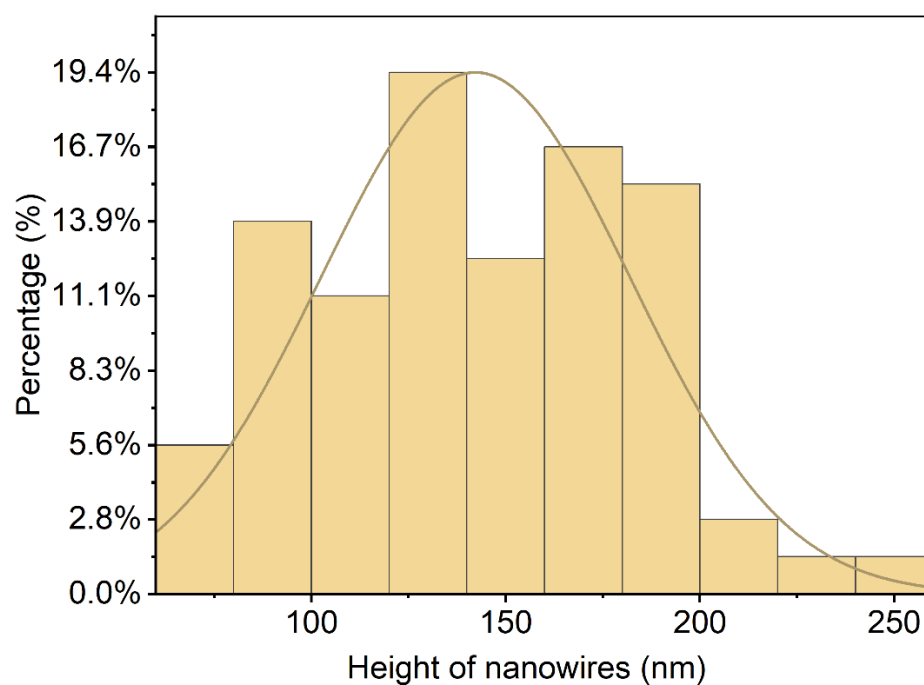
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Table S1. Different methods to form hierarchical micro/nanostructured surfaces.

| Literature Reports | Microstructure Fabrication | Nanostructure Fabrication |
|---|---|---|
| Nanosecond pulsed laser irradiation [1] | Nanosecond pulsed laser irradiation | Nanosecond pulsed laser irradiation |
| Femtosecond [2] | Femtosecond | Hydrothermal treatments |
| Nanoimprinting [3] | Nanoimprinting with a microtemplate | Nanoimprinting |
| Hot-embossing [4] | Hot-embossing | Hot-embossing |
| Laser scanning probe lithography [5] | Scanning probe lithography and wet chemical etching | Scanning probe lithography and wet chemical etching |
| Glancing angle deposition [6] | Deep reactive ion etching | Glancing angle deposition |
| Metal-assisted chemical etching (this work) | Metal-assisted chemical etching | Metal-assisted chemical etching |

**Figure S1.** The statistical data of the nanowire heights.

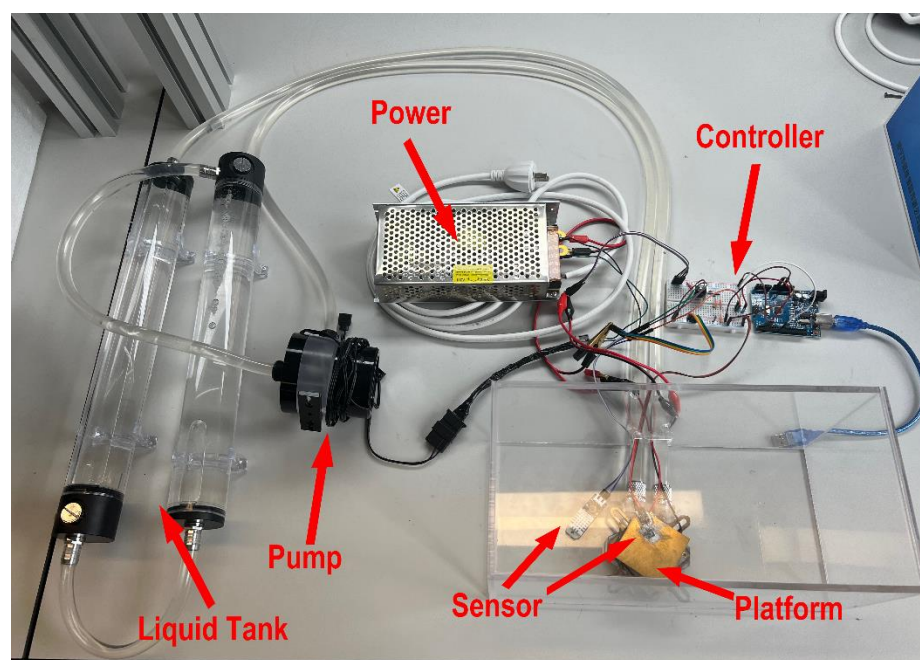


Figure S2. The anti-icing setup for measuring the ice delay time (IDT).

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