

Electronic Supplementary Material**Rapid fabrication of superhydrophobic/superaerophilic coatings via flame pyrolysis of PDMS for drag reduction**

Dong Wang^{1,2}, Zhuang Ma (✉)^{1,3,4}, Pan Liu¹, Jiangnan Liu^{1,2},
and Xinchun Tian (✉)^{1,3,5}

1 School of Materials Science and Engineering, Beijing Institute of Technology, Beijing 100081, China

2 Tangshan Research Institute, Beijing Institute of Technology, Tangshan 063000, China

3 National Key Laboratory of Science and Technology on Material Under Shock and Impact, Beijing 100081, China

4 Beijing Institute of Technology Chongqing Innovation Center, Chongqing 401120, China

5 Materials Intelligent Innovation Laboratory, Beijing Institute of Technology, Zhuhai 519088, China

E-mails: xctian@bit.edu.cn (X.T.), hstrong929@bit.edu.cn (Z.M.)

Table S1 Drag reduction efficiency in the literature

Ref.	Title	Drag reduction efficiency/%
[S1]	Drag reduction performance of grooved superhydrophobic surfaces	44–46
[S2]	Preparation of superhydrophobic coatings with drag reduction and anti-icing properties via a simple spraying method	39.8
[S3]	Drag reduction mechanism of the biomimetic superhydrophobic surface on the boundary layer of underwater gliders	16.8
[S4]	Gas film transportation on asymmetric superhydrophobic mesh surfaces for excellent drag reduction and anti-scaling properties	23.7
[S5]	Drag reduction and antifouling of a spontaneous fast moving air film	27
[S6]	Enhanced anti-icing and drag reduction of multilayer composite structure superhydrophobic surface	11.7
[S7]	Study of the drag reduction performance on steel spheres with superhydrophobic ER/ZnO coating	19
[S8]	Eco-friendly intrinsic self-healing superhydrophobic polyurea/TiO ₂ composite coatings for underwater drag reduction and antifouling	11.28
[S9]	Stable drag reduction of anisotropic superhydrophobic/hydrophilic surfaces containing bioinspired micro/nanostructured arrays by laser ablation	40
[S10]	Effect of superhydrophobic composite coatings on drag reduction in laminar flow	40
[S11]	Superhydrophobic drag reduction for turbulent flows in open water	30
[S12]	Design and preparation of biomimetic polydimethylsiloxane (PDMS) films with superhydrophobic, self-healing and drag reduction properties via replication of shark skin and SI-ATRP	21.7
[S13]	Surface adhesive forces: a metric describing the drag-reducing effects of superhydrophobic coatings	26.7
[S14]	Drag reduction for viscous laminar flow on spray-coated non-wetting surfaces	30

[S15]	Extraordinary drag-reducing effect of a superhydrophobic coating on a macroscopic model ship at high speed	49.1
[S16]	Plastron induced drag reduction and increased slip on a superhydrophobic sphere	20–30
[S17]	Toward understanding whether superhydrophobic surfaces can really decrease fluidic friction drag	35
[S18]	Terminal velocity and drag reduction measurements on superhydrophobic spheres	5–15

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