Wettability of Hierarchically-Textured Ceramic Coatings produced by Suspension HVOF Spraying

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Electronic Supplementary information (ESI)



Fig. S1 Spray route of the gun during the deposition process

Peak	Position	S-H-0	S-H-15
	BE (eV)		
Ti	459	22.8	9.7
0	532	64.1	65.1
С	285	13.1	12.4
В	191		7.7
Ν	399		5.1

Table S1 Atomic fractions of elements in percent, as detected by XPS on the coating surfaces



Fig. S2 XPS spectra of Coatings S-H-0 (bottom) and S-H-15 (top)



Fig. S3 High-resolution XPS spectra of Ti 2p, O1s and B 1s



Fig. S4 Sliding wear test on the superhydrophobic surface, showing a reduction of contact angle to ca. 136° in the wear scar