

Electronic Supplementary Material

Adhesion and friction performance of DLC/rubber: The influence of plasma pretreatment

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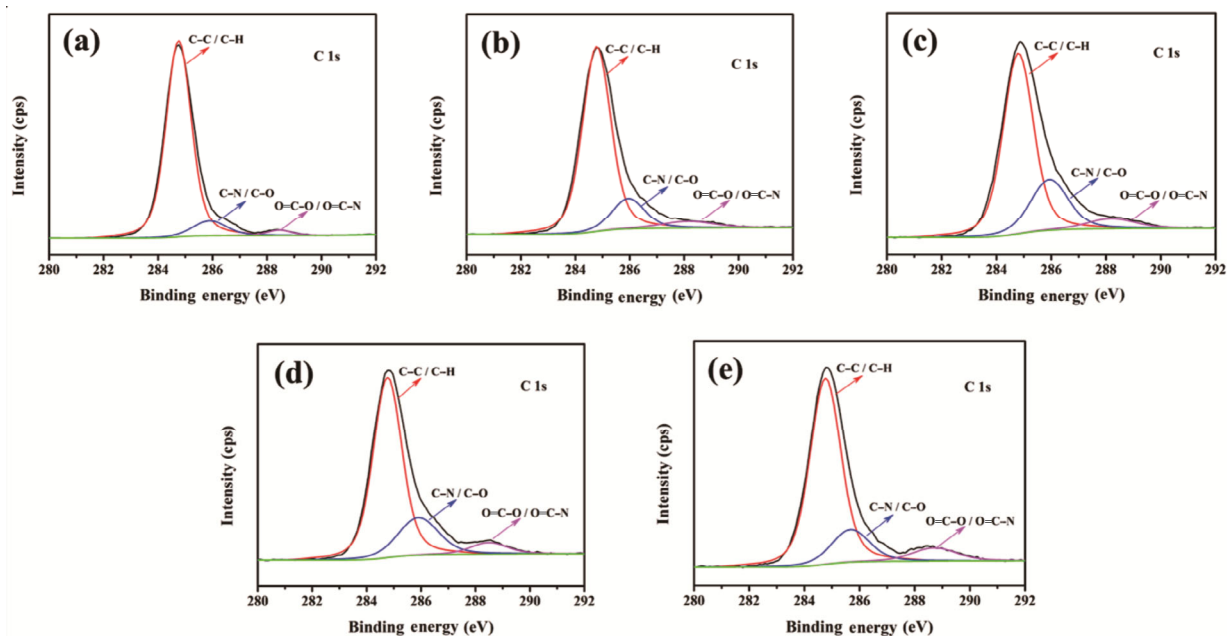


Fig. S1 Representation of a typical C1s curve fit in case of NBR (a) without pretreatment, and with different plasma pretreatments of (b) Ar-H₂ plasma, (c) Ar-Ar plasma, (d) Ar-N₂ plasma, and (e) Ar-O₂ plasma.

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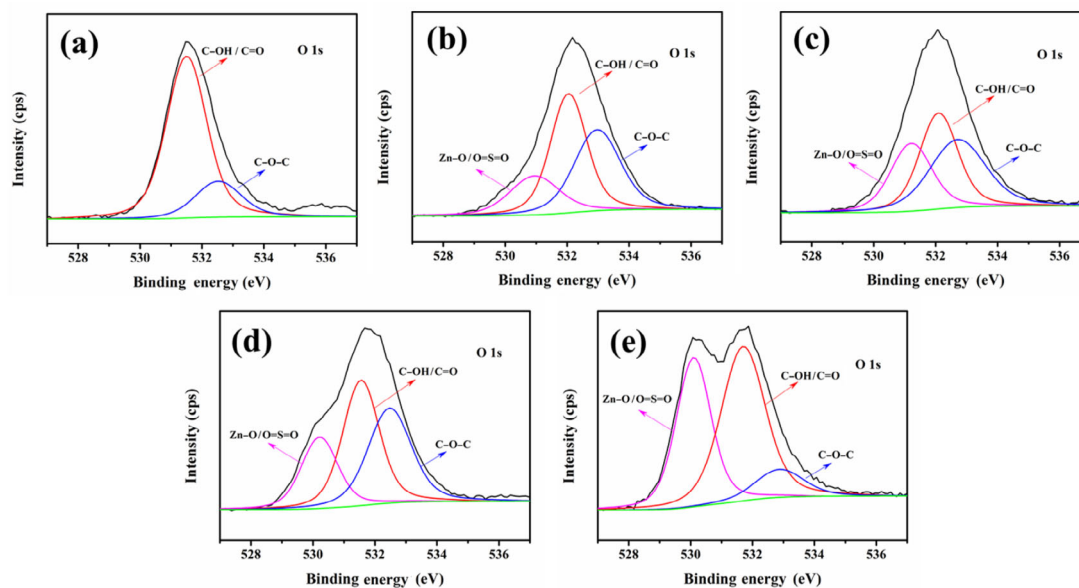


Fig. S2 Representation of a typical O1s curve fit in case of NBR (a) without pretreatment, and with different plasma pretreatments of (b) Ar-H₂ plasma, (c) Ar-Ar plasma, (d) Ar-N₂ plasma, and (e) Ar-O₂ plasma.

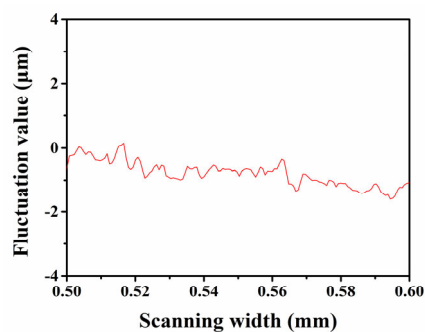


Fig. S3 Cross-sectional profile of Ar-O₂/DLC in the scanning range of 0.1 mm.

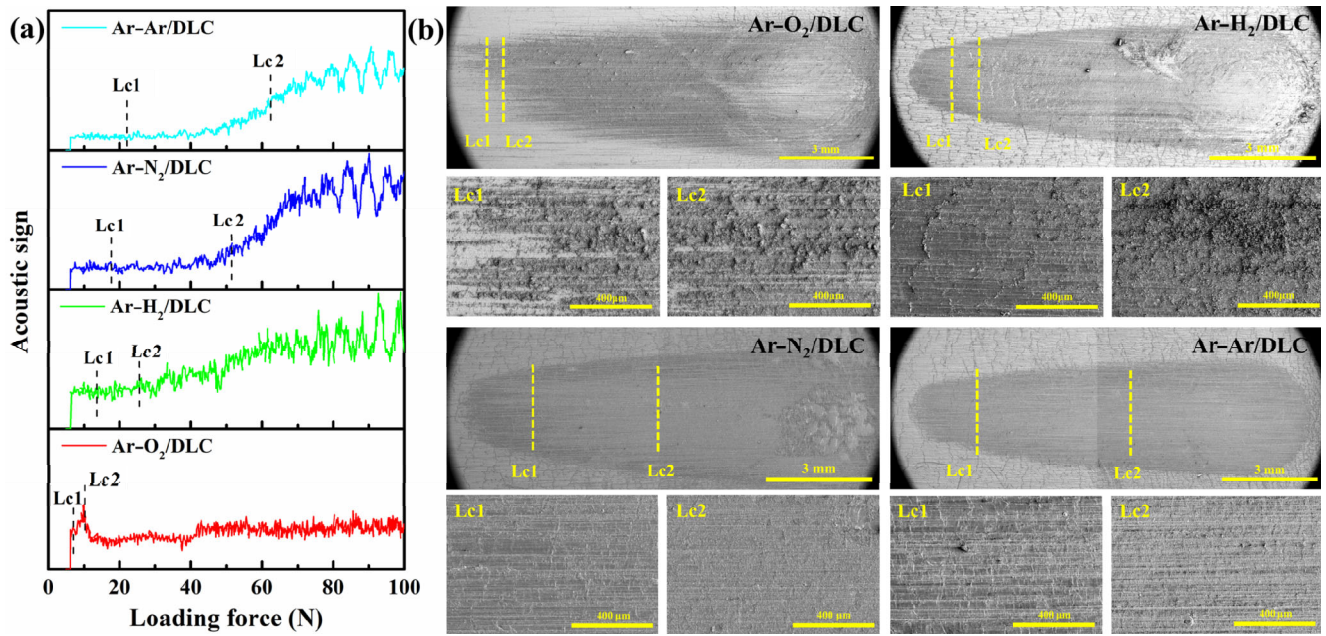


Fig. S4 (a) The acoustic sign and (b) surface image after the scratch test for DLC/rubber with different plasma pretreatments.