

The curious wetting behavior of ALD grown Al_2O_3 thin film surfaces

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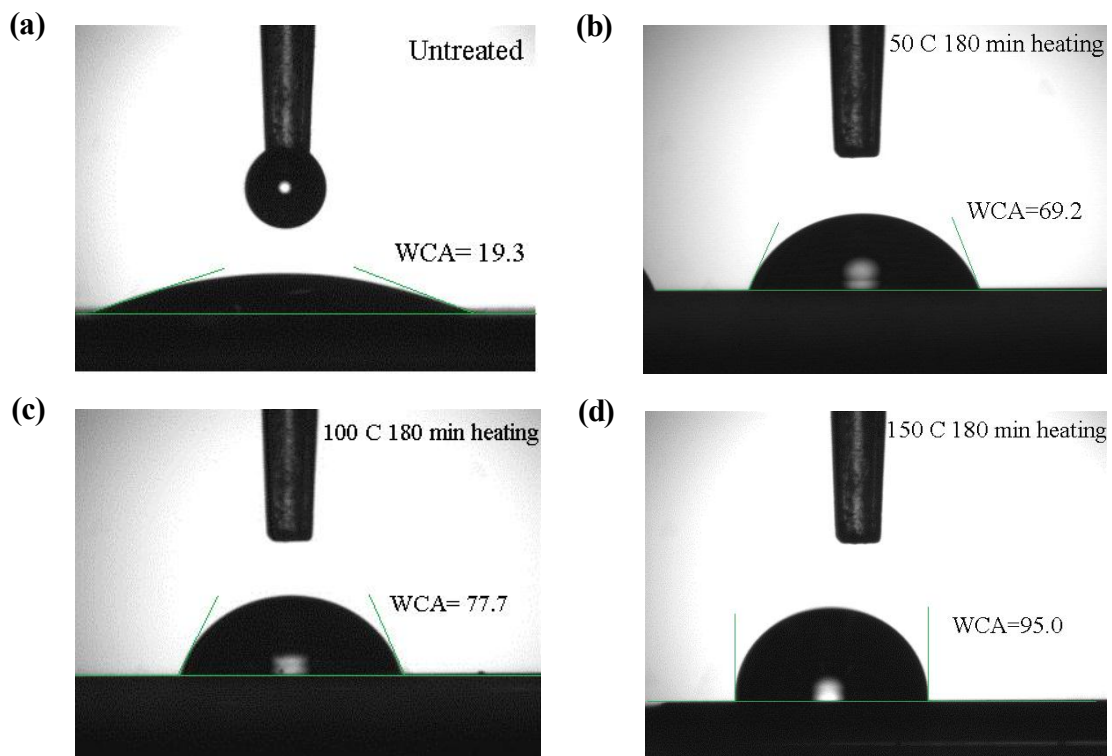


Fig. 1: (a) Water contact angle (WCA) of freshly ALD prepared Al_2O_3 film; (b) WCA of 50°C 180 min heated Al_2O_3 film; (c) WCA of 100°C 180 min heated Al_2O_3 film; (d) WCA of 150°C 180 min heated Al_2O_3 film.

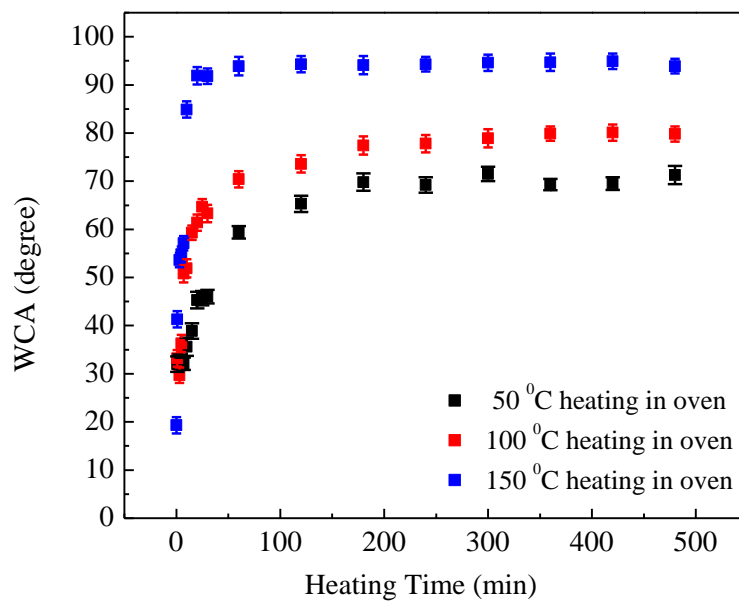


Fig. 2: Water contact angles (WCAs) of heat treated Al_2O_3 film at 50, 100, 150 °C for different time periods