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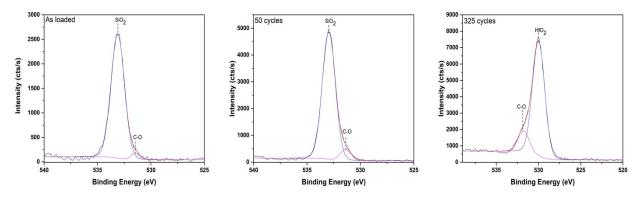


Figure S1 O1s high resolution spectra of 16K 1.5wt% as loaded, 50 and 325 cycles into the ALD process.

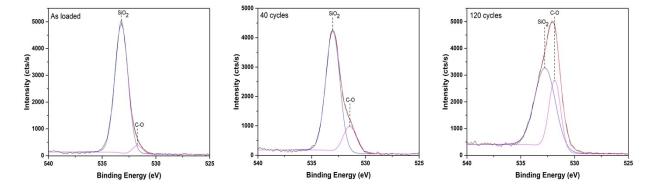
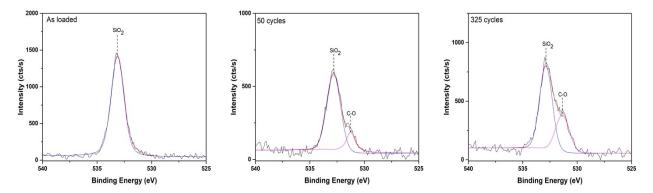


Figure S2 O1s high resolution spectra of 40K 0.2wt% as loaded, 50 and 120 cycles into the ALD process.



Figure~S3~O1s~high~resolution~spectra~of~40K~1.5wt%~as~loaded,~50~and~325~cycles~into~the~ALD~process.