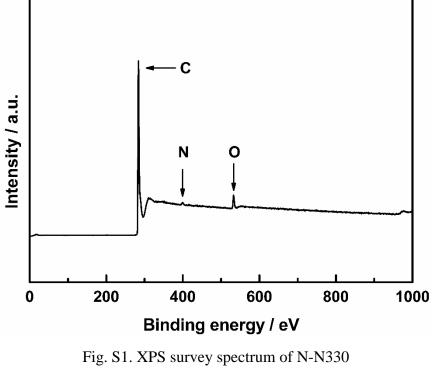
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Supporting Information

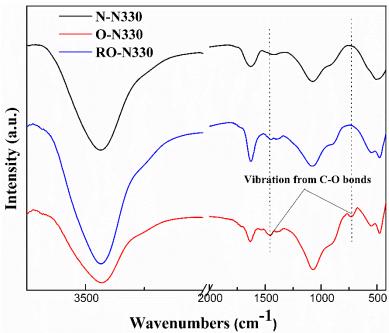


Fig. S2. FTIR spectra of as-prepared carbon blacks

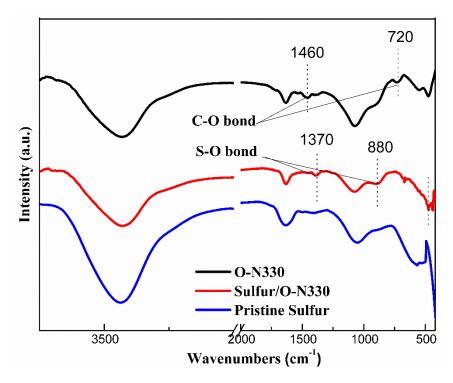


Fig. S3. FTIR spectra of O-N330, S/O-N330, and pristine sulfur

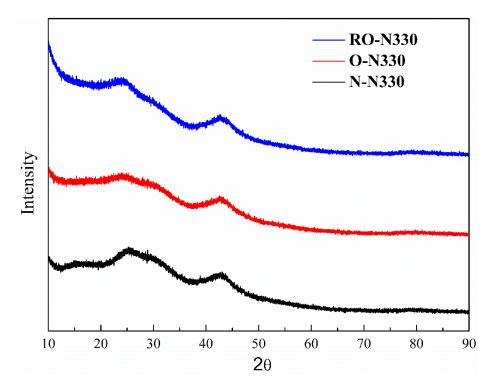


Fig. S4. XRD patterns of as-as prepared carbon blacks

Reaction time (min)	Mass loss (wt%)	Specific Surface area (m²/g)	Specific surface area for mesopores (m²/g)
0	0	75.36	73.47
1	10	233.13	87.28
3	50	1053.49	650.54
5	75	1230.61	975.28
8	85	1358.27	1181.90

Table S1. Surface information of carbon blacks treated by NH3 with different mass loss