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Title	Nitrogen-Doped Hierarchical Porous Carbon Architecture Incorporated with Cobalt Nanoparticles and Carbon Nanotubes as Efficient Electrocatalyst for Oxygen Reduction Reaction
Author(s)	Zhu, Chunyu; Kim, Cheong; Aoki, Yoshitaka et al.
Citation	Advanced Materials Interfaces, 4(19), 1700583 https://doi.org/10.1002/admi.201700583
Issue Date	2017-10-09
Doc URL	https://hdl.handle.net/2115/71637
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Type	journal article
File Information	Supporting information.pdf

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Supporting Information

Nitrogen-doped hierarchical porous carbon architecture incorporated with cobalt nanoparticles and carbon nanotubes as efficient electrocatalyst for oxygen reduction reaction

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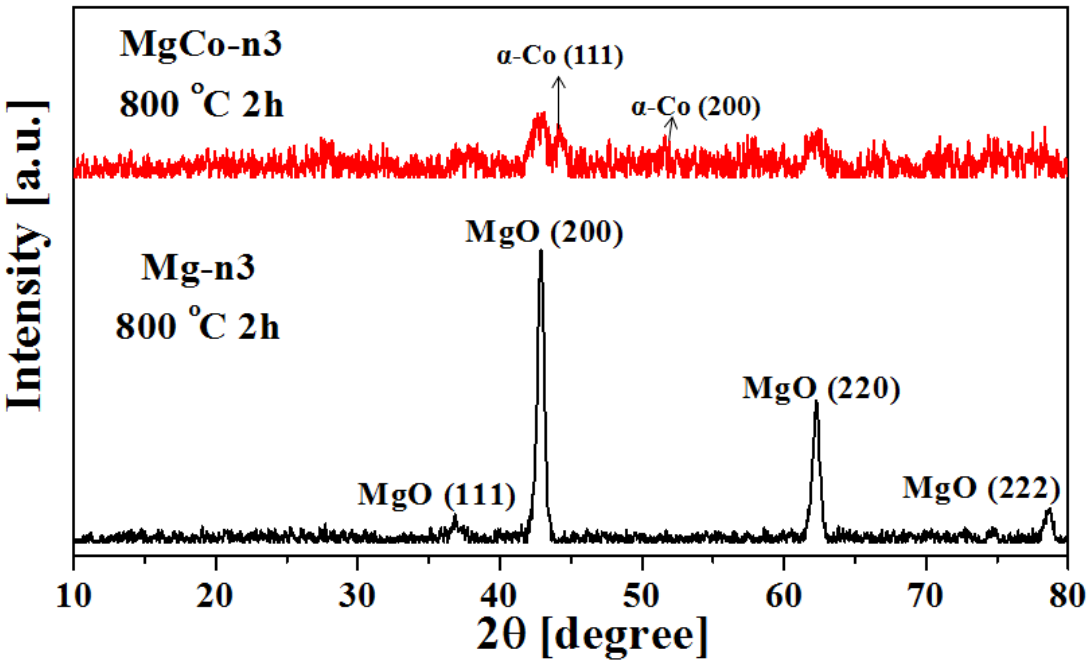


Figure S1. XRD patterns for the samples after heat treatment at 800 °C for 2 h.

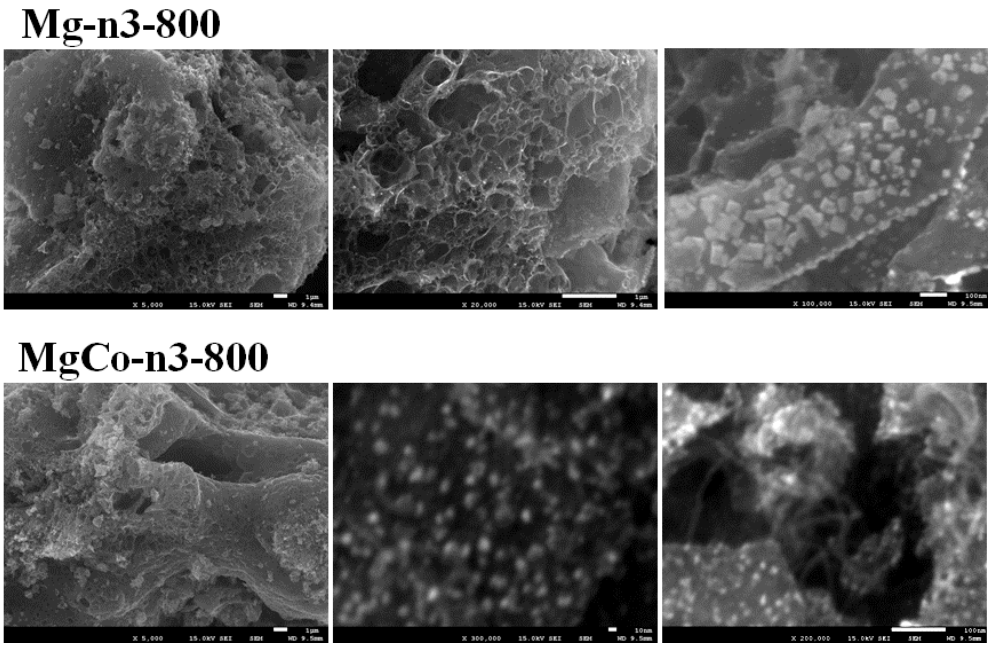


Figure S2. SEM images of the samples after heat treatment at 800 °C for 2h.

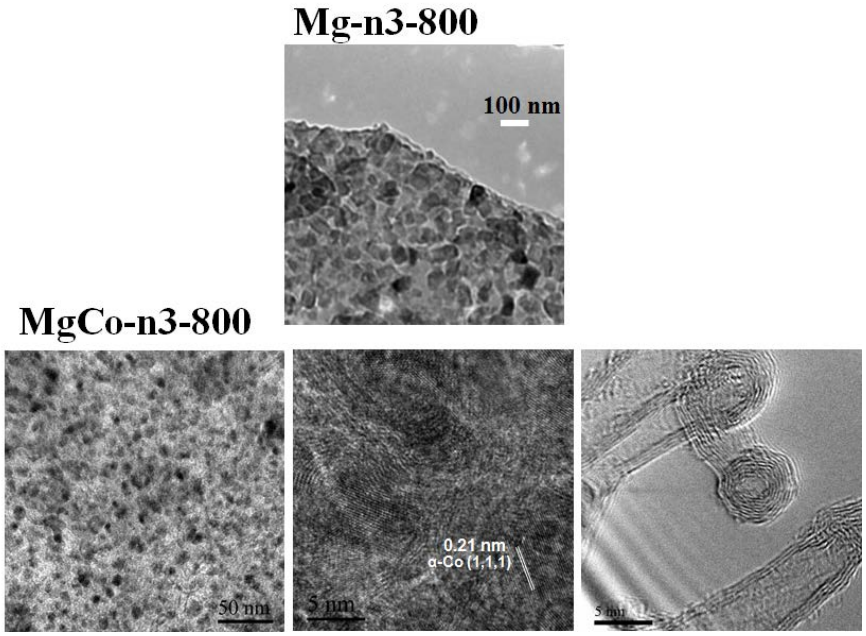


Figure S3. TEM images of the samples after heat treatment at 800 ^{o}C for 2h.

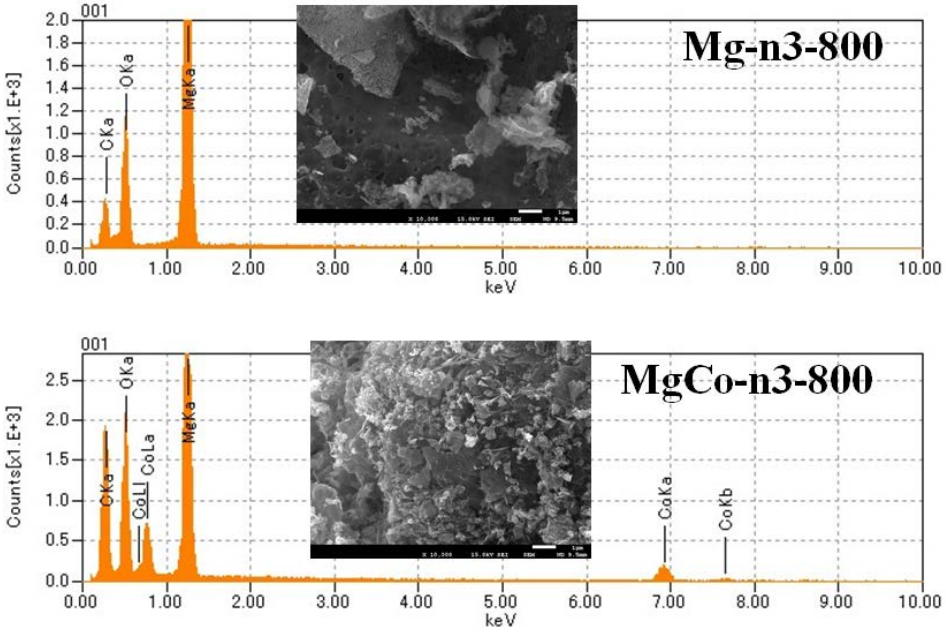


Figure S4. SEM-EDS spectra of the samples after heat treatment at 800 ^{o}C for 2h.

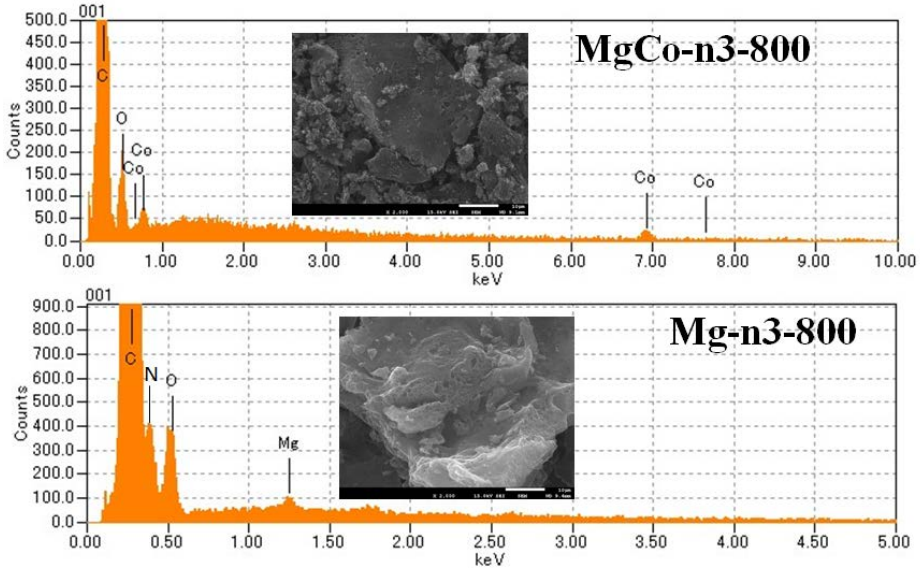


Figure S5. EDS spectra of the carbon samples under SEM observation.

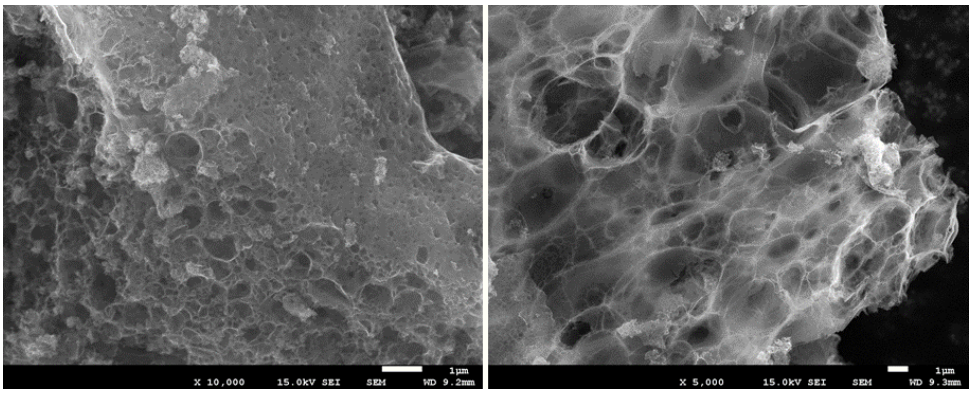


Figure S6. SEM images of the obtained carbon sample (MgCo-n3-800).

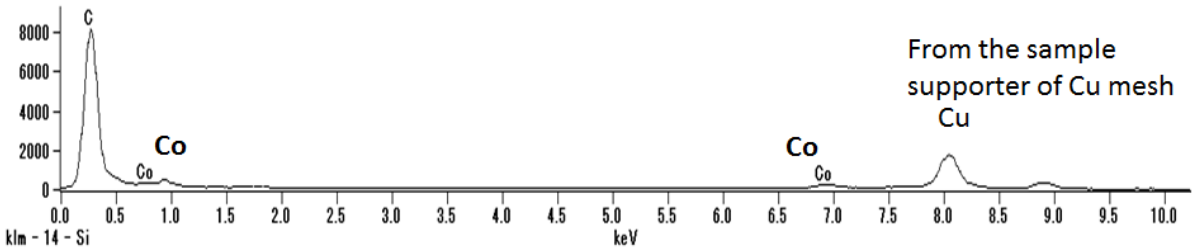


Figure S7. EDS spectra of MgCo-n3-800 under TEM observation.

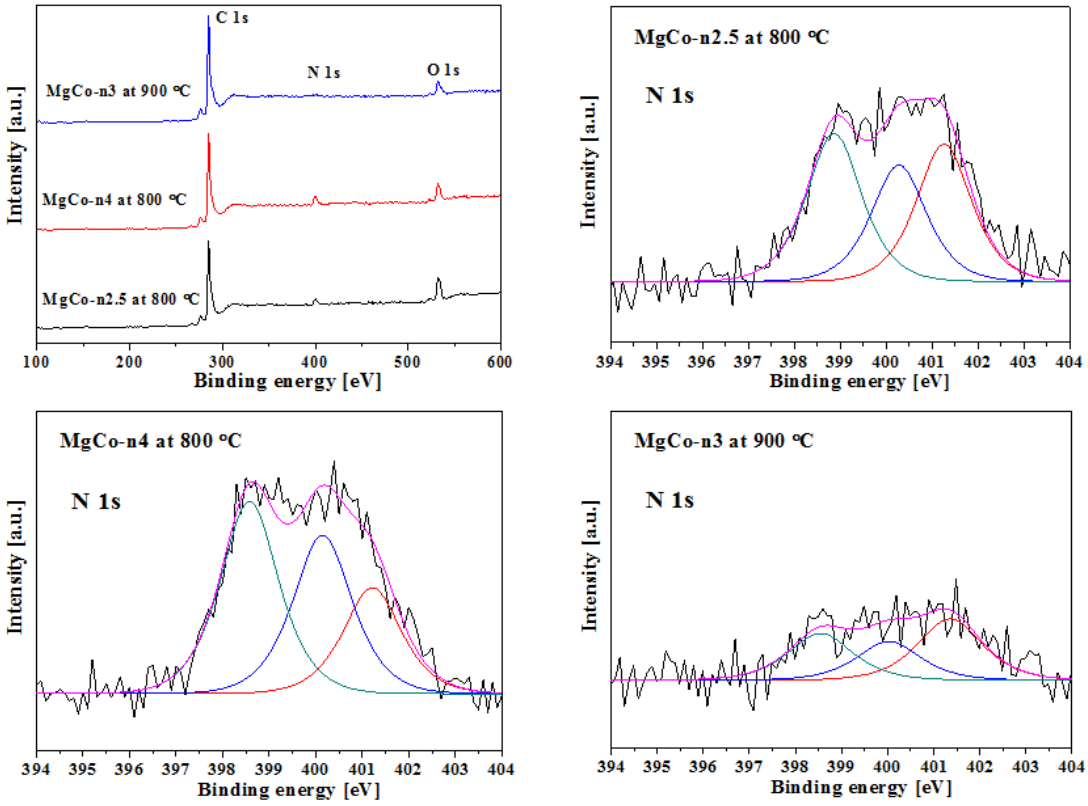


Figure S8. XPS spectra of the carbon samples.

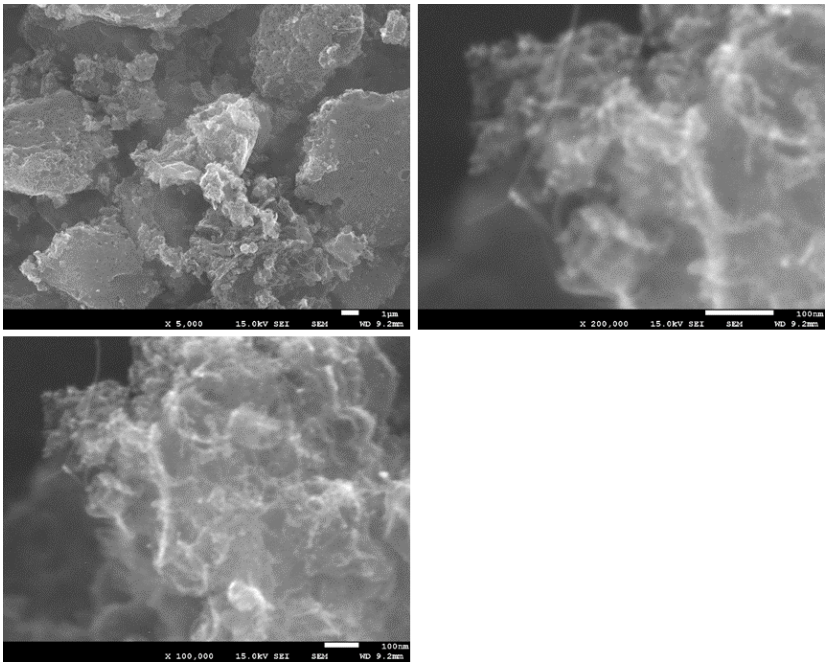


Figure S9. SEM images for sample MgCo-n2.5-800.

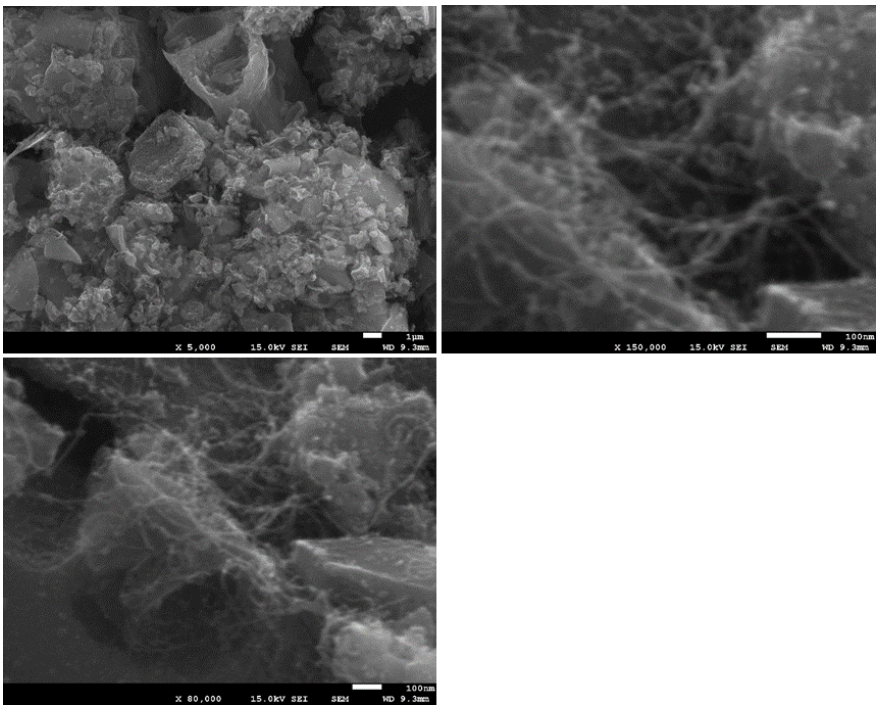


Figure S10. SEM images for sample MgCo-n4-800.

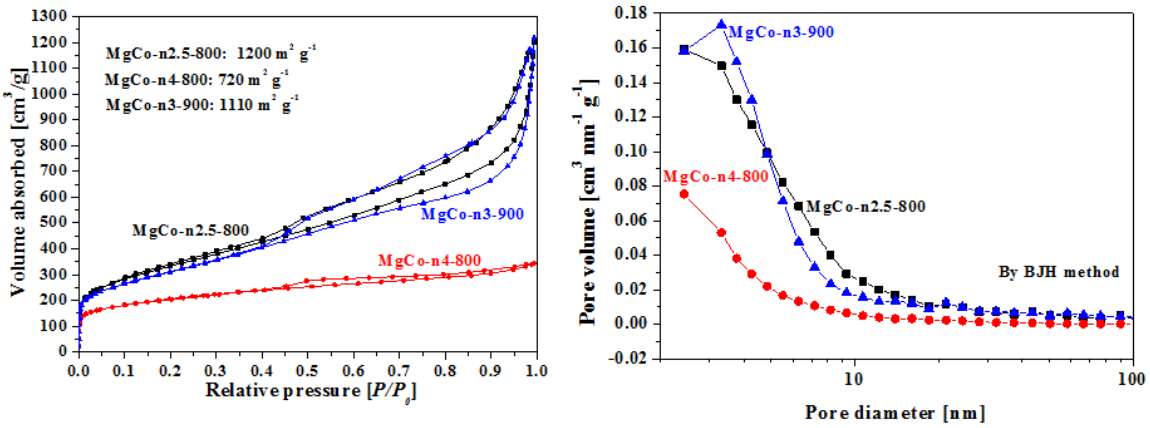


Figure S11. BET N_2 sorption isotherm and pore size distribution.