

Sacrificial carbon fiber–nickel hydroxide core–shell particles for nickel oxide diffusion from pore surfaces to grain interfaces in zirconia

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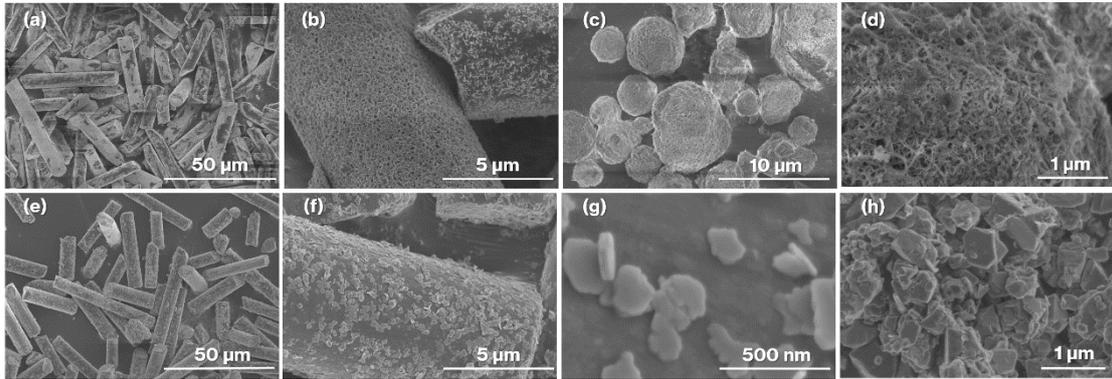


Figure S1. SEM images of (a) CF@2Ni(OH)₂, (b) an enlarged view of (a), (c) 2Ni(OH)₂, (d) an enlarged view of (c), (e) CF@4Ni(OH)₂, (f) an enlarged view of (e), (g) an enlarged view of (f), and (h) 4Ni(OH)₂.

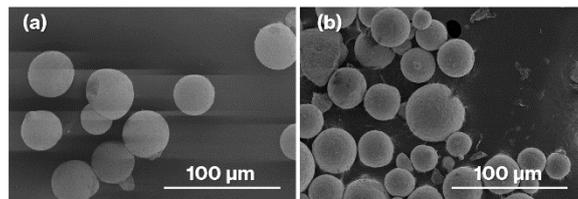


Figure S2. Low magnification SEM images of (a) powdered pristine YSZ and (b) p-YSZ-1300-12.

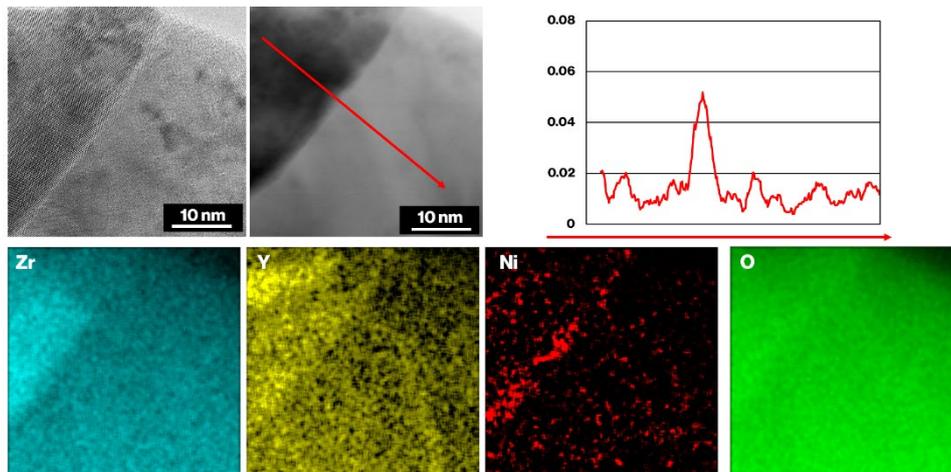


Figure S3. TEM image of YSZ-CF@1Ni(OH)₂ and its enlarged view (left and right). The red arrow indicates the direction of the line elemental analysis, and the nickel intensity profile is shown on the right. The corresponding elemental mappings are shown below.