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Supporting Information

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Morphological, Structural, and Compositional Evolution of Pt–Ni Octahedral Electrocatalysts with Pt-Rich Edges and Ni-Rich Core: Toward the Rational Design of Electrocatalysts for the Oxygen Reduction Reaction

Meital Shviro, Martin Gocyla, Shlomi Polani, Marc Heggen, David Zitoun, and Rafal E. Dunin-Borkowski*

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The Supplementary Information includes:

- Figure S 1, Figure S 2 and Figure S 3 – with additional TEM and STEM data.

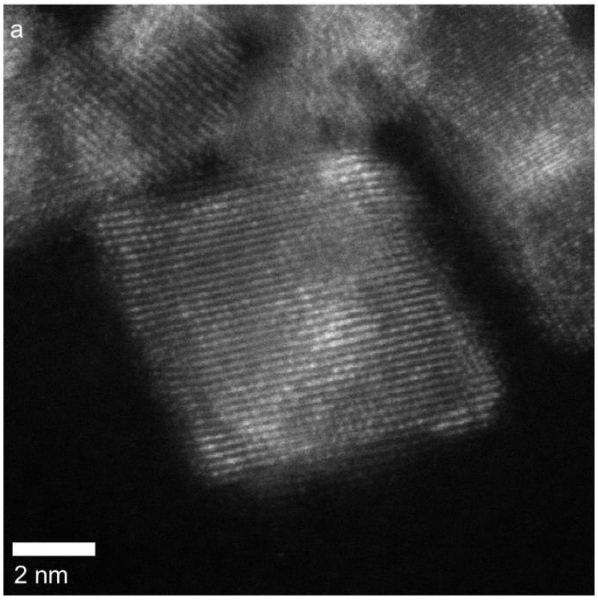

Figure S 1. (a) HR HAADF-STEM image for nanoparticles obtained using Wu *et al.* original synthesis.

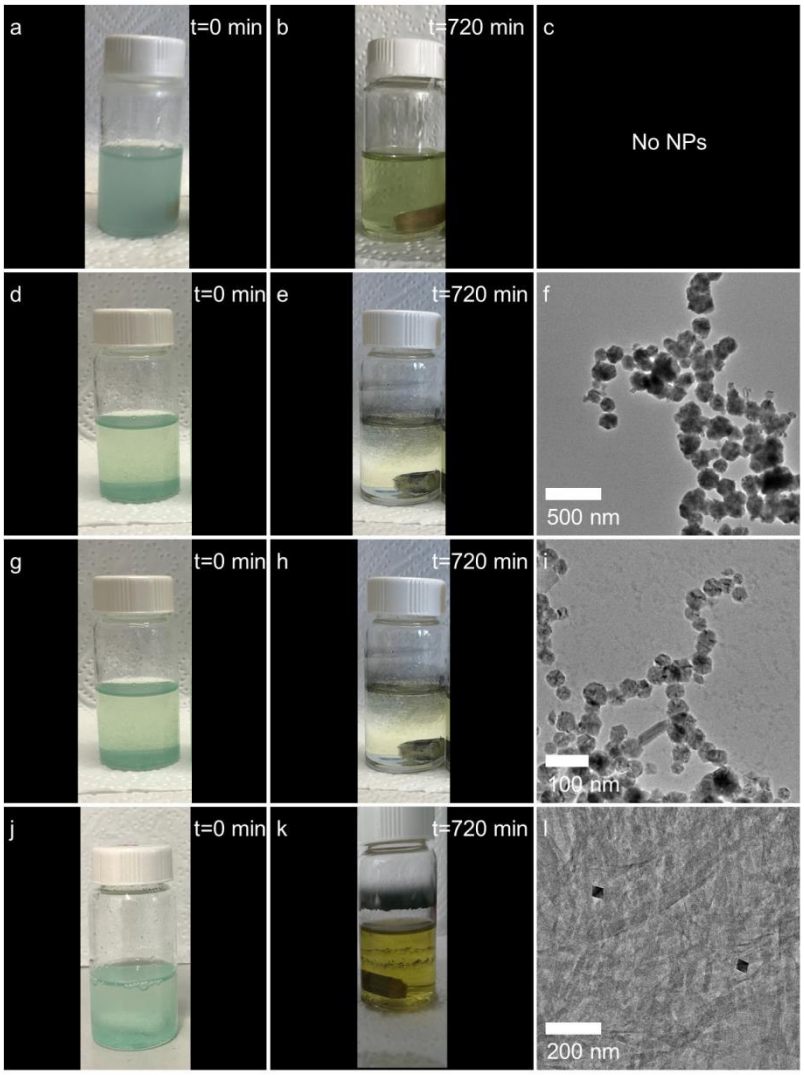

Figure S 2. (a, b; d, e; g, h; j, k) Images of the synthesis with (a, b) BA and $Ni(acac)_2$, (d, e) BA, $Ni(acac)_2$ and Benzoic Acid, (g, h) BA, $Ni(acac)_2$ and PVP and (j, k) BA, $Ni(acac)_2$, Benzoic Acid and PVP at the beginning and after 720 min. (c, f, i, l) TEM images of corresponding synthesized NPs.

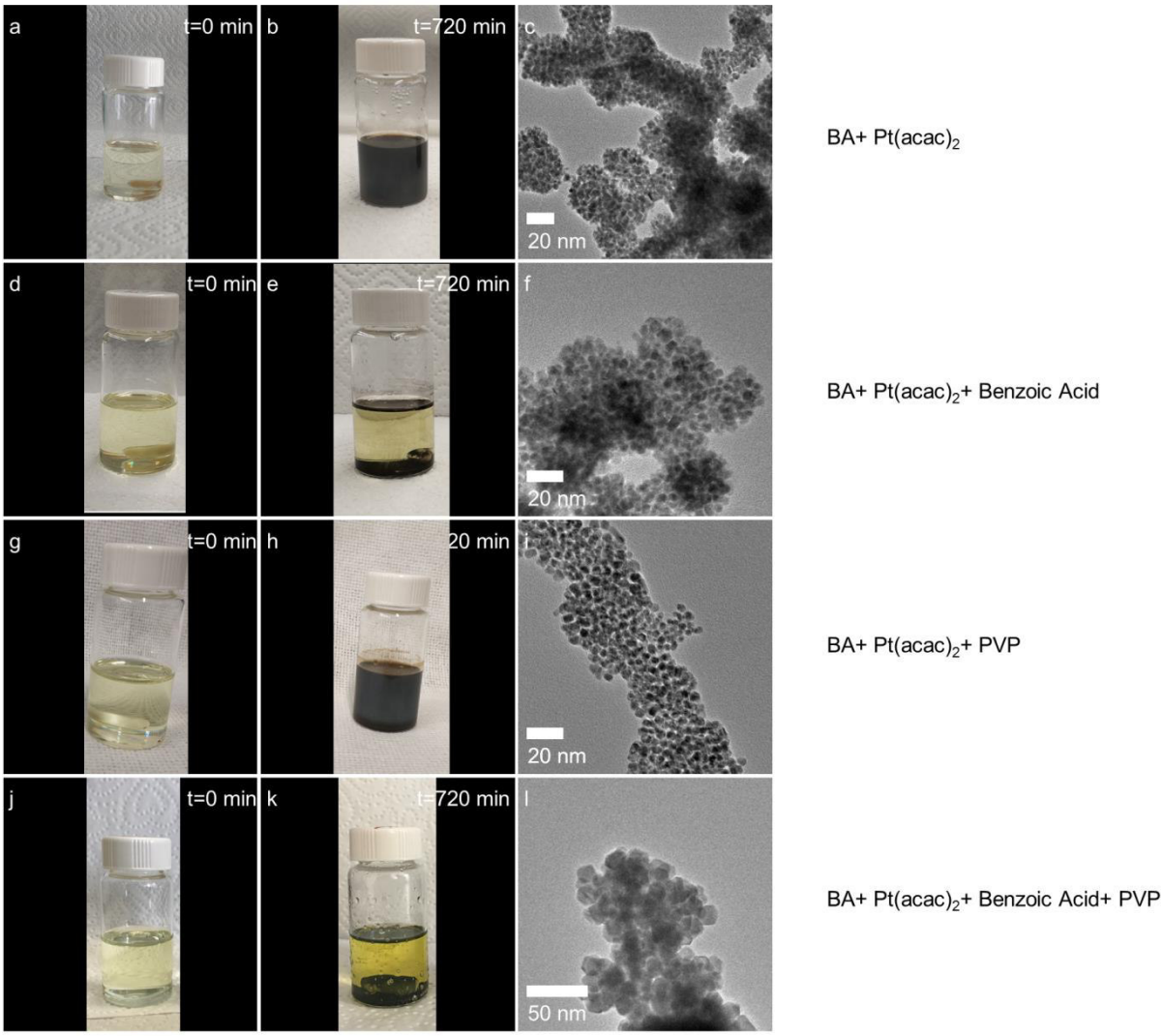

Figure S 3. (a, b; d, e; g, h; j, k) Images of the synthesis with (a, b) BA and $Pt(acac)_2$, (d, e) BA, $Pt(acac)_2$ and Benzoic Acid, (g, h) BA, $Pt(acac)_2$ and PVP and (j, k) BA, $Pt(acac)_2$, Benzoic Acid and PVP at the beginning and after 720 min. (c, f, i, l) TEM images of corresponding synthesized NPs.