Supporting Information

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Figure S1 (Supporting Information). (a)-(h) SEM images of the very large α -Fe₂O₃ nanoparticles with surface deformations and the grains by nanoparticle sintering treatment.



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Figure S2 (Supporting Information). (a)-(d) Plastic and surface deformation with the grains and boundaries have been evidenced in the new α -Fe₂O₃ nano-textures via high heat treatments (Sample 3). (e) The changed surface structure of a large particle with various grains and grain boundaries. (e) Model of crystal surface for SEM image of (b); (f) Model of crystal surface for SEM image of (d).

