Supplementary Information

Synthesis, Thin-Film Self-Assembly, and Pyrolysis of Ruthenium-containing Polyferrocenylsilane Block Copolymers

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Figure S1: Characterisation of sample 9B_{500-2h} (a) High Resolution TEM image; (b) SAED pattern and (c) diameter distribution of NPs in (a).
Figure S2: EDX analysis plots for samples: (a) 9A$_{500-2h}$, (b) 9A$_{800-2h}$ and (c) 9B$_{800-2h}$ on a Cu TEM grid.
Figure S3: (a) SEM image of sample 9A_{800-2h}; (b) EDX mapping of Fe; (c) EDX mapping of Ru. (d) SEM image of sample 9B_{800-2h}; (e) EDX mapping of Fe; (f) EDX mapping of Ru.
Figure S4: AFM image of thin film prepared by spin coating of 2 wt% of 9A solution in toluene, followed by annealing at 120 °C for 24 h and plasma etching for 30 s; (b) diameter distribution histogram of 200 domains in (a).
Figure S5: (a,c) AFM images of thin film prepared by spin coating a 2 wt% 9A solution in toluene, and annealed thermally at 120 °C for 24 h prior to pyrolysis for 2 h at (a) 500 °C, (c) 800 °C; (b) diameter distribution histogram for 200 domains in (a); (d) diameter distribution histogram for 200 domains in (c).