

Supplementary data for

**Biocompatible high aspect ratio Au-Ni coaxial nanorod arrays fabrication using
the electroless Galvanic displacement reaction method**

Che-Wei Hsu¹, Ching-Wen Li², and Gou-Jen Wang^{1,2,3*}

¹ Department of Mechanical Engineering, National Chung-Hsing University,
Taichung 40227, Taiwan

²Ph.D. Program in Tissue Engineering and Regenerative Medicine, National Chung-
Hsing University, Taichung 40227, Taiwan

³Graduate Institute of Biomedical Engineering, National Chung-Hsing University,
Taichung 40227, Taiwan

Movies for dynamic 2D swing and rotation of the Au/Ni coaxial nanorods

Nanoscale 2D swing and rotation of the Au/Ni coaxial nanorods could be well driven by the two-dimensional electromagnetic actuating system. Captions for the movies are as follows.

Movie S1: 2D swing of the Au/Ni coaxial nanorods driven by the two-dimensional electromagnetic actuating system

Movie S2: 2D rotation of the Au/Ni coaxial nanorods driven by the two-dimensional electromagnetic actuating system