

Supplementary Information

3D structured polypyrrole/reduced graphene oxide (PPy/rGO)-based electrode ionic soft actuators with improved actuation performance

Haleh Rasouli¹, Leila Naji*¹, Mir Ghasem Hosseini^{2, 3}

¹Department of Chemistry, Amirkabir University of Technology, 424 Hafez Avenue, Tehran P.O Box: 15875-4413, Iran.

²Electrochemistry Research Laboratory, Department of Physical Chemistry, Chemistry Faculty, University of Tabriz, Tabriz, Iran.

³Engineering Faculty, Department of Materials Science and Nanotechnology, Near East University, 99138 Nicosia, North Cyprus, Mersin 10, Turkey.

* Corresponding author to whom all correspondence should be directed. Tel: +98 (21) 64545807; Fax:

+98 (21) 64542762; e-mail: leilanaji@aut.ac.ir (Leila Naji)

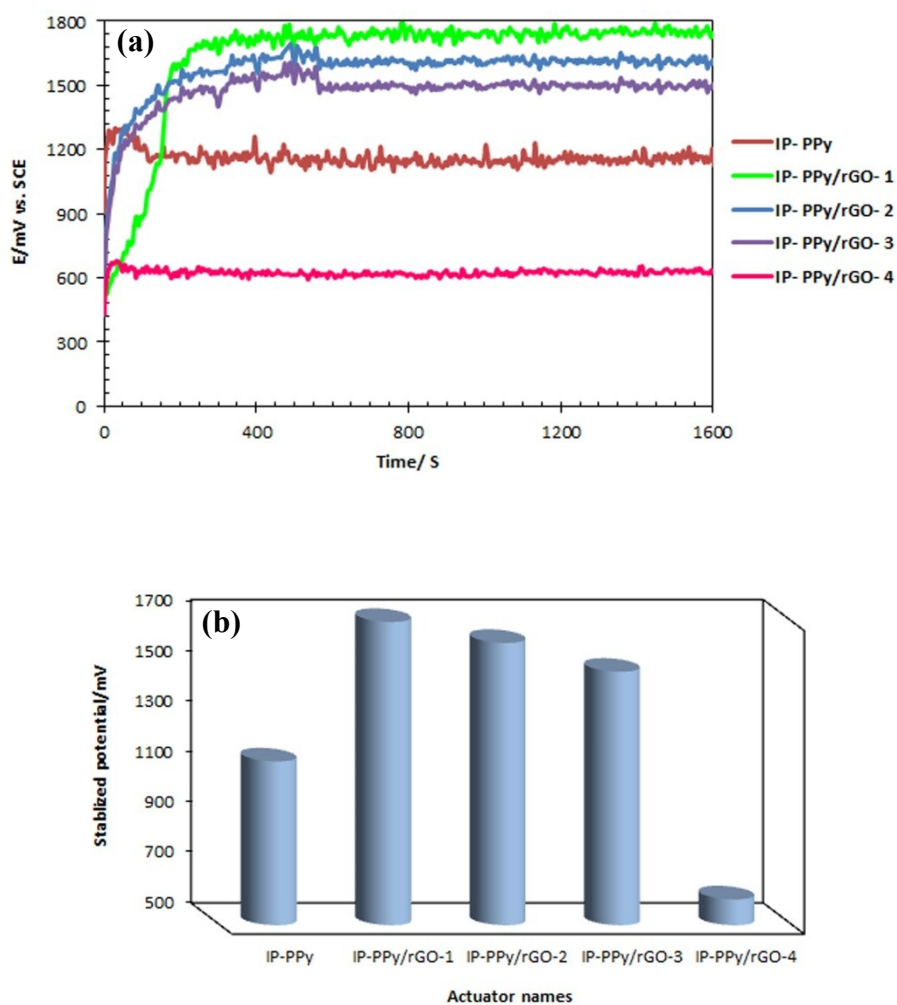


Figure S1. (a) The chronopotentiogram plots and (b) trend of constant potential obtained during the electropolymerization of PPy/rGO films in the fabrication of actuators.