

Supplementary Information

One Step Fabrication of Polymeric Ratchet Structures of Diverse Tilting Angles

Seong Min Kang^{a,b} and Hyunsik Yoon^{c*}

^aGlobal Frontier Center for Multiscale Energy System, Seoul National University, Seoul 151-744, Korea.

^bDepartment of Mechanical and Aerospace Engineering, Seoul National University, Seoul, 151-742, Korea

^cDepartment of Chemical and Biomolecular Engineering, Seoul National University of Science & Technology, Seoul, 139-743, Korea, Tel: +82 (2) 970-6670, Fax: +82 (2) 977-8317, E-mail: hsyoon@seoultech.ac.kr

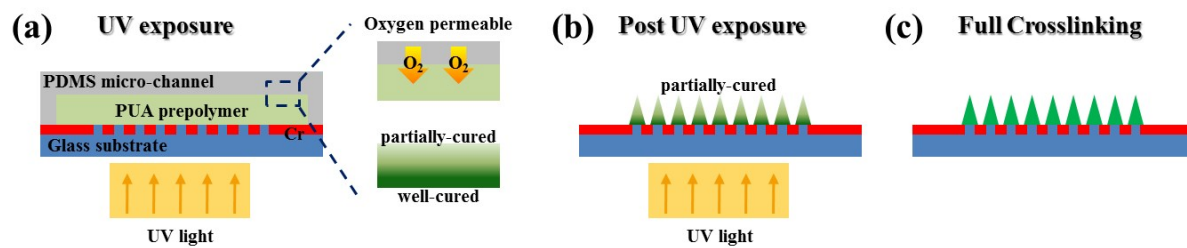


Fig. S1 Schematic illustration of post UV exposure process for full crosslinking of PUA ratchet structures. (a) Oxygen in PDMS micro-channel inhibits the full curing of PUA prepolymer. (b) Post UV exposure process of partially-cured ratchet structures after rinsing uncured prepolymers. (c) Full crosslinking of PUA ratchet structures after UV exposure for 10 hours.