Supplementary Information

Characterization of optical manipulations using microlens arrays depending on the materials and sizes in organic photovoltaics

Dongwook Ko,^a Bongjun Gu,^a Yoohan Ma,^{a,b} Sungjin Jo,^c Dong Choon Hyun,^d Chang Su Kim,^e Hyeon-Ju Oh,^{*f} and Jongbok Kim^{*a,b,f}

Photovoltaic performances of organic photovoltaic cells depending on microlens sizes



Fig. S1. (a) Current density-voltage (J-V) characteristics of organic photovoltaic cells with microlens arrays having different sizes from 0.5 to 20 μ m, and (b) their normalized short-circuit current density (J_{SC}) and power-conversion efficinecy (PCE).