Electronic Supplementary Information

PAPER

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Nanoscale Mapping of Wavelength-Selective Photovoltaic Responses in H- and J-Aggregates of Azo Dye-based Solar Cell Films

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[†] Footnotes relating to the title and/or authors should appear here. Electronic Supplementary Information (ESI) available: [Current and noise maps of dye solar cell films]. See DOI: 10.1039/x0xx00000x

Paper

Current Map

I (10⁻⁷A) 6 3

Fig. S1 Current map of dye solar cell film at the applied bias of $0.1\,$ V under the dark condition.

Change in trap density dependence on initial trap density

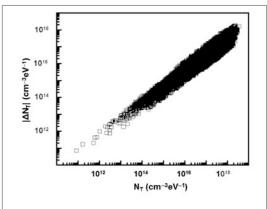


Fig. S3 Scatter plot showing the dependence of trap density change by illumination on the trap density under dark conditions.

Noise Map

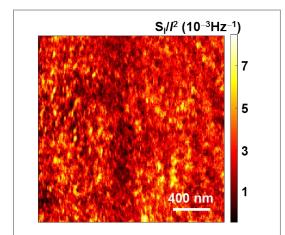


Fig. S2 Normalized noise PSD (S_i/l^2) map of the dye solar cell film under the dark condition at the applied bias of 0.1 V.