Electronic Supplementary Material (ESI) for Journal of Materials Chemistry C.

Supporting Information for

Tailoring exciton diffusion and domain size in photovoltaic small molecules by annealing

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Fluorescence decays measured at different excitation densities

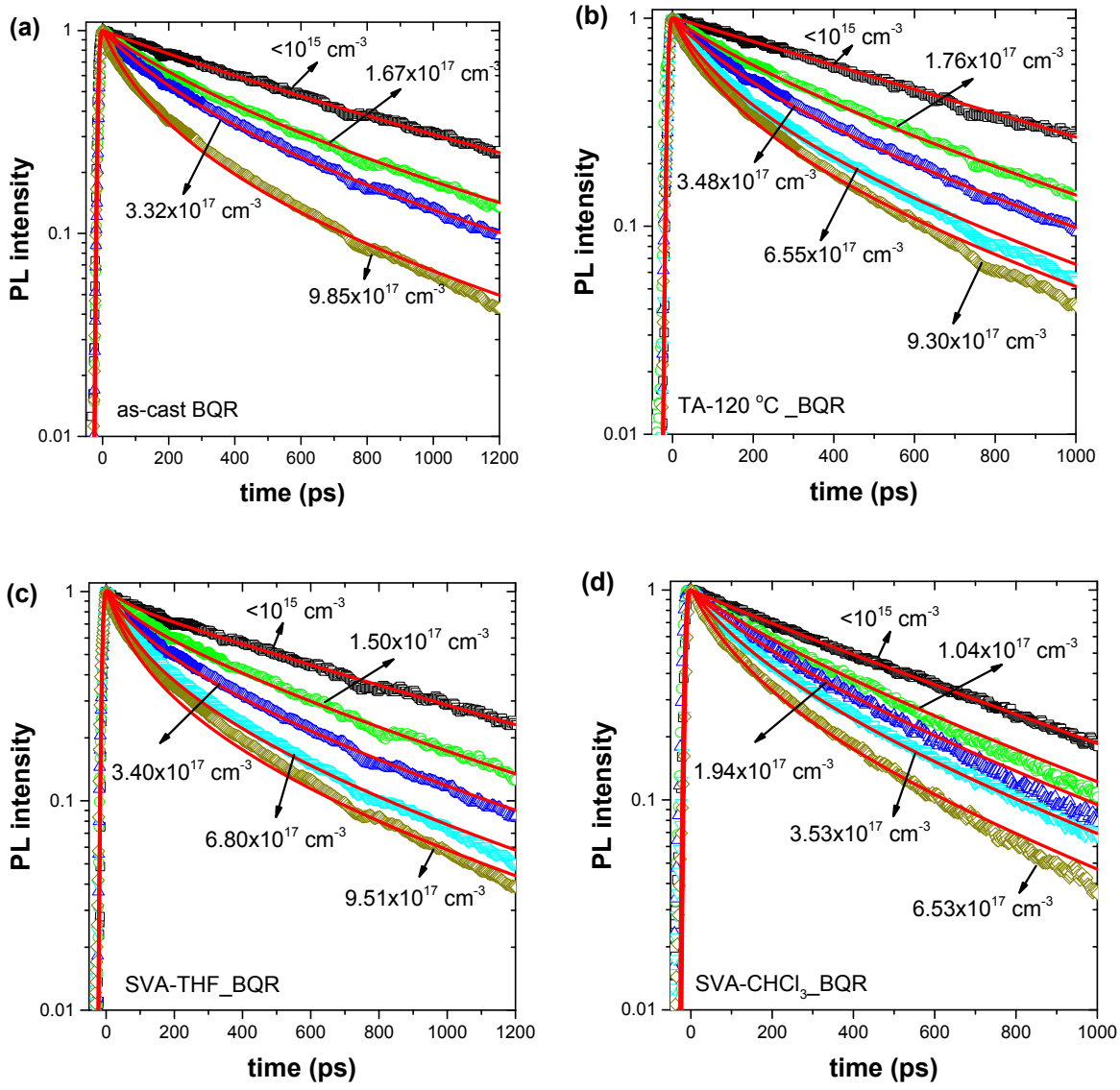

Figure S1: Time-resolved PL decays of BQR films before and after annealing measured at different exciton densities. The red lines are fits to the data using eq.1 (details given in main manuscript). **(a)** as-cast, **(b)** thermally annealed at 120 ^{0}C for 10 min, **(c)** SVA with THF solvent, **(d)** SVA with $CHCl_3$.

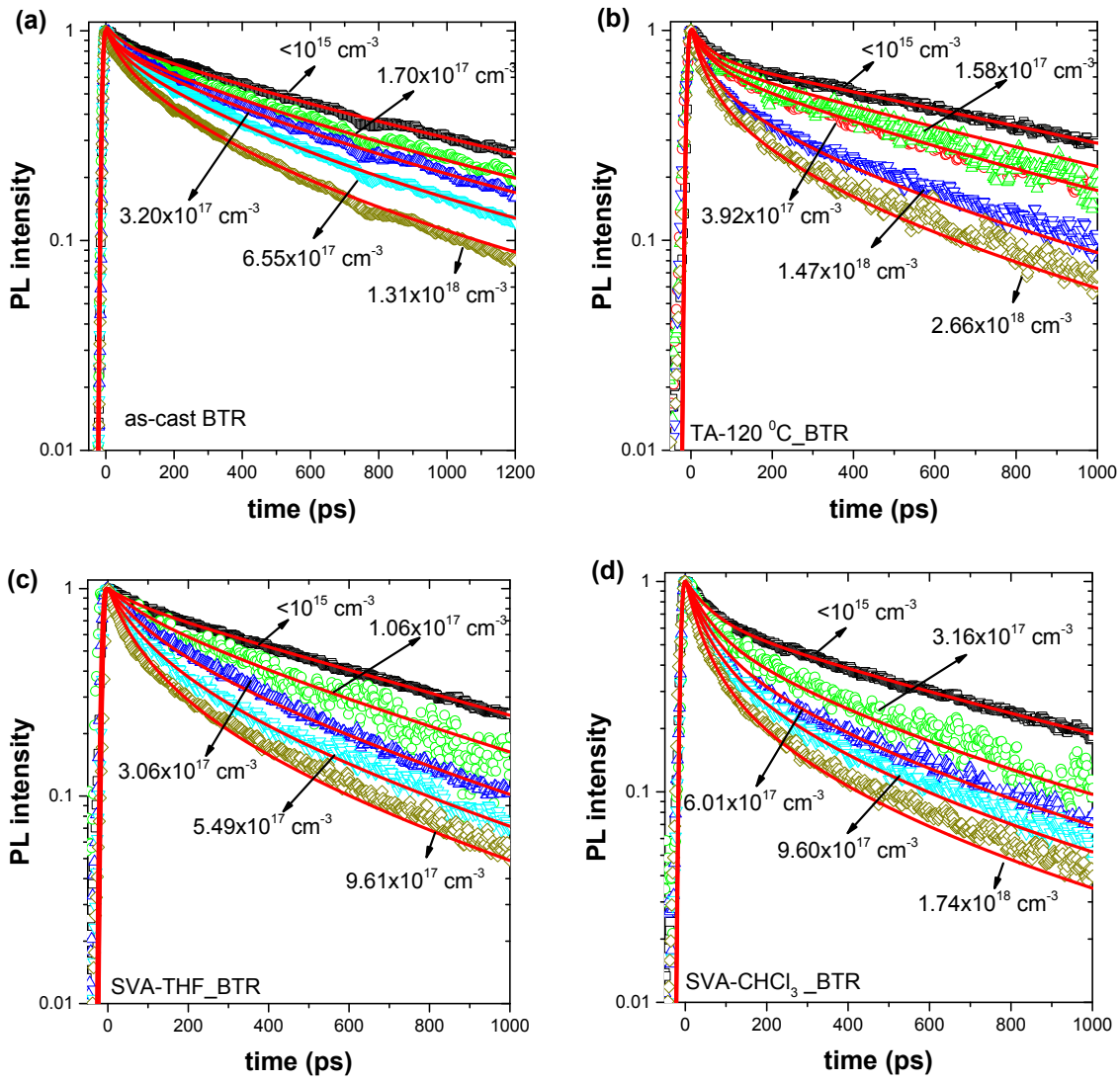

Figure S2: Time-resolved PL decays of BTR films before and after annealing measured at different exciton densities. The red lines are fits to the data using eq.1 (details given in main manuscript). **(a)** as-cast, **(b)** thermally annealed at 120 ^{0}C for 10 min, **(c)** SVA with THF solvent, **(d)** SVA with $CHCl_3$.

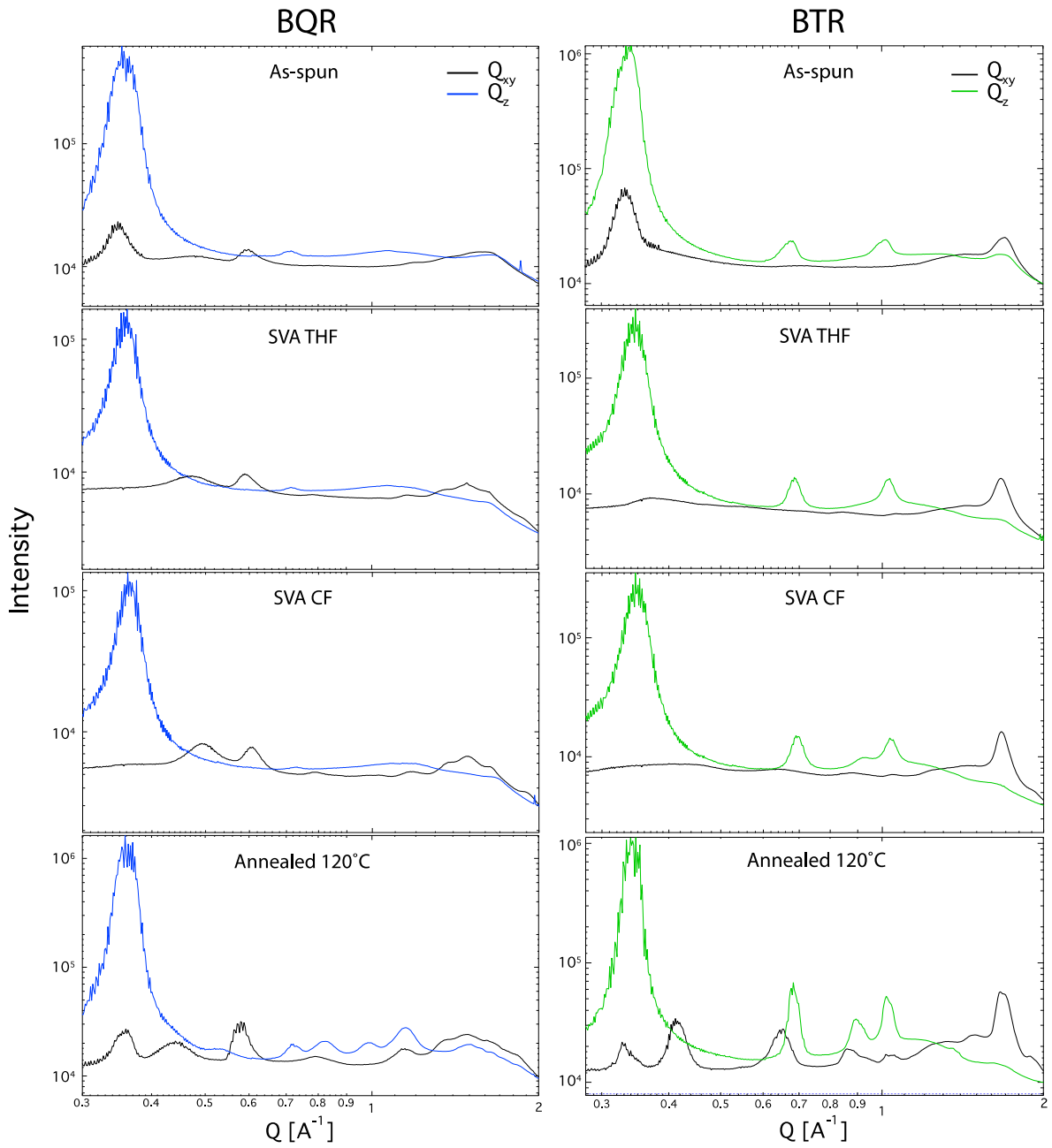

Figure S3: GIWAXS line profiles along the Q_{xy} and Q_z axes for neat BQR and BTR films with the indicated film treatments.

Table 1: d_{100}-spacing determine from GIWAX data of neat films

Sample name	**d_{100}-spacing (nm)**
BQR_as-cast	1.76
BQR_TA	1.74
BQR_SVA-THF	1.76
BQR_SVA-$CHCl_3$	1.73
BTR_as-cast	1.86
BTR_TA	1.83
BTR_SVA-THF	1.83
BTR_SVA-$CHCl_3$	1.82