Supporting Information

PEDOT:Tos electronic and thermoelectric properties: lessons from two polymerization processes

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Table S1: Details of the procedure for the normalization of the integrated peak intensity of the GIXRD spectra of PEDOT:Tos films by considering the Lorentz polarization facto, LP. The value reported in Table 1 are the average and standard deviation obtained for the 3 samples made by ISP and VPP.

Sample	Normalized Edge-On Integrated Intensity[a]	Normalized Face-On Integrated Intensity[b]	Converted Edge-On Intensity[c]	Converted Face-On Intensity	% Edge-On[d]	% Face-On
ISP#1	3398.6	1040.1	200.5	17630.9	16.2	83.8
ISP#2	4883.1	959	284.6	16454.1	22.9	77.1
ISP#3	5613.1	1237.2	315.1	22042.8	20.3	79.7
VPP#1	7408.3	553.9	441.1	9301.3	44.3	55.7
VPP#2	9034.8	422.1	544	7010.6	56.3	43.7
VPP#3	14917.6	980.2	867.1	16863.1	46.9	53.1

[a] referred to the (100) integrated peak intensity
[b] referred to the (020) integrated peak intensity
[c] Normalized Edge-On Integrated Intensity x $(LP_{Face-On}/LP_{Edge-On})$
[d] Calculated as "Converted Edge-On Intensity x 100 / (Normalized Face-On Integrated Intensity + Converted Edge-On Intensity)"