

**Table 1.** Summary of results. Errors are standard error.

Dopant	Roughness (nm)	Contact Angle (°)	EPC Cell Density ( $\mu\text{m}^2$ )	CPC Cell Density ( $\mu\text{m}^2$ )	EPC Live Ratio %	CPC Ratio Live %
Cl	54 ± 13	19.7 ± 0.2	7.7E-04 ± 0.7E-03	1.7E-03 ± 0.6E-03	96.1 ± 0.8	96.7 ± 8.1
CS	11 ± 3	29 ± 6	1.7E-03 ± 0.8E-03	1.4E-03 ± 0.7E-03	98.0 ± 1.4	99.5 ± 0.3
DBS	14 ± 6	60 ± 1	2.0E-03 ± 0.8E-03	1.6E-03 ± 0.7E-03	97.3 ± 2.7	96.9 ± 3.1
DS	23 ± 9	32 ± 7	1.7E-03 ± 0.6E-03	1.7E-03 ± 0.7E-03	97.6 ± 0.9	96.2 ± 0.2
HA	159 ± 26	38 ± 3	1.4E-03 ± 0.3E-03	6.2E-04 ± 0.5E-03	99.4 ± 0.9	49 ± 40
LiClO <sub>4</sub>	1087 ± 155	45 ± 4	9.5E-04 ± 0.6E-03	4.2E-04 ± 0.2E-03	94.2 ± 4.8	71 ± 16
PSS	9 ± 1	23.0 ± 0.2	1.2E-03 ± 0.6E-03	1.3E-03 ± 0.6E-03	98.3 ± 1.6	97.2 ± 3.1
pTS	24 ± 4	72 ± 1	1.6E-03 ± 0.6E-03	1.6E-03 ± 0.7E-03	98.7 ± 0.3	96.3 ± 2.1
Control	-	-	1.8E-03 ± 0.3E-03	2.3E-03 ± 0.3E-03	99.4 ± 0.3	98.8 ± 0.4