

Flexible and transparent SWCNT electrodes for alternating current electroluminescence (ACEL) devices

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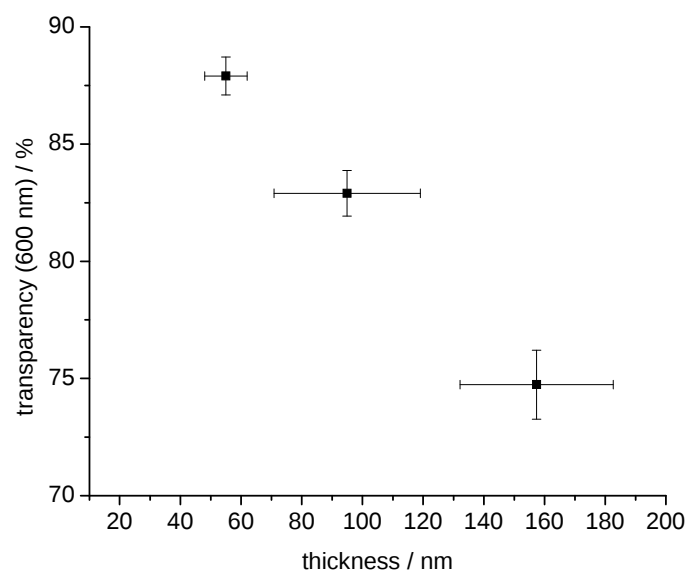
Supporting information

SI 1

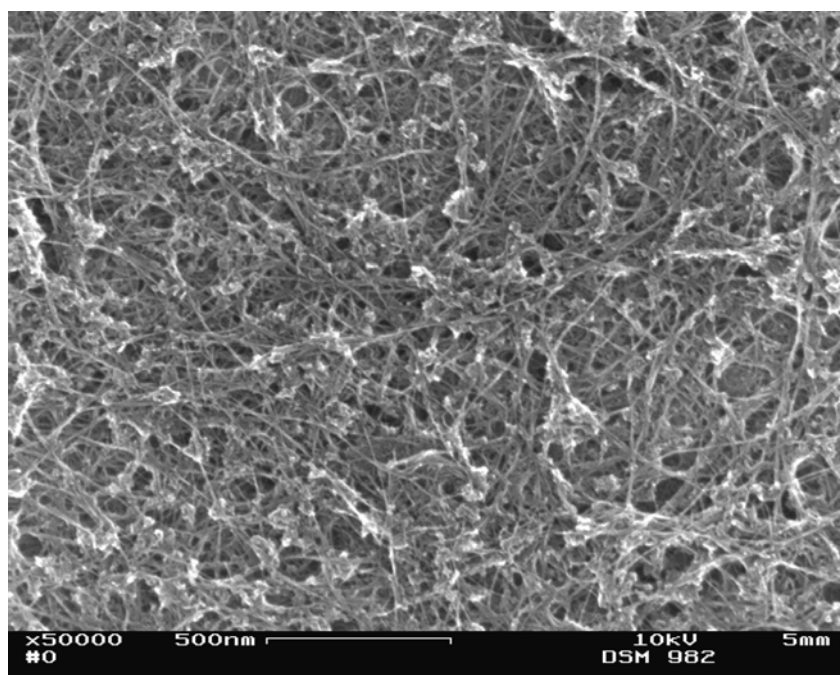
Sample	Sheet resistance / $\text{k}\Omega/\square$	T(600) / %	Sample	Sheet resistance / $\text{k}\Omega/\square$	T(600) / %
BS-240-a	23.38	78.14	TS-30-100-a	13.92	85.42
BS-240-b	30.13	82.04	TS-30-100-b	12.99	85.7
BS-240-c	10.91	74.02	TS-30-100-c	8.17	81.7
BS-240-d	10.53	75.22	TS-30-100-d	8.05	81.24
TS-30-50-a	76.45	87.26	TS-30-100-e	4.02	74.08
TS-30-50-b	57.02	87.32	TS-30-100-f	4.61	73.18
TS-30-50-c	29.83	83.1	TS-60-100-a	10.95	84.6
TS-30-50-d	36	82.8	TS-60-100-b	15.57	86.06
TS-60-50-a	20.04	86.44	TS-60-100-c	5.904	77.26
TS-60-50-b	27.63	87.48	TS-60-100-d	6.201	79.64
TS-60-50-c	13.97	82.82	TS-60-100-e	3.546	72.1
TS-60-50-d	13.33	81.24	TS-60-100-f	2.952	69.36
TS-120-50-a	15.64	85.4	TS-120-100-a	20.21	87.06
TS-120-50-b	16.52	86.9	TS-120-100-b	29.04	87.9
TS-120-50-c	6.79	77.3	TS-120-100-c	11.59	82.9
TS-120-50-d	8.44	78.88	TS-120-100-d	8.14	80.42
TS-120-50-e	5.41	72.86	TS-120-100-e	4.76	73.76
TS-120-50-f	4.07	71.48	TS-120-100-f	5.23	74.74
TS-180-50-a	87.75	88.4	TS-180-100-a	32.58	85.42
TS-180-50-b	31.86	87	TS-180-100-b	27.18	85.12
TS-180-50-c	15.48	85.62	TS-180-100-c	15.21	83.34
TS-180-50-d	11.16	83.4	TS-180-100-d	15.21	83.18
TS-180-50-e	6.66	81.2	TS-180-100-e	14.67	82.76
TS-180-50-f	5.54	79.26	TS-180-100-f	7.47	78.96
TS-240-50-a	30.56	77.68	TS-240-100-a	90.45	88.38
TS-240-50-b	52.79	78.8	TS-240-100-b	111.13	89.44
TS-240-50-c	8.03	72.14	TS-240-100-c	14.33	80.42
TS-240-50-d	5.65	68.06	TS-240-100-d	13.07	80.42
TS-240-50-e	4.62	65.28	TS-240-100-e	5	69.98
TS-240-50-f	3.72	61.88	TS-240-100-f	5.89	64.6

Transmission at 600nm (referenced to air) and corresponding sheet resistance of SWCNT coatings on glass substrate (Sample codes: BS-XX bath sonication XX min; TS-XX-YY tip sonication XX min YY relative intensity in %)

SI 2



Dependence of transparency at 600 nm and thickness determined with AFM



SEM image of spray coated SWCNT (TS-60-50) on glass substrate