Supporting Information

Preparation, Characterization, and Electrochromic Properties of Nanocellulose-Based Polyaniline Nanocomposite Films

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Table S1. A comparison of PANI-based electrochromic films properties

film configuration	Operation condition	λ/nm	τ_b/τ_c	ΔT%	Cycle life	CE/(cm^2/C)	Ref.
graphene/PANI	-0.2V-+1.0V	335	5.23s/1.04s	60.0%	＞300 cycles	506.48	1
pure PANI	-2.8V-+2.5V	650	19.5s/20.8s	＜20.0%	＞100 cycles	_	2
PANI-ITO	-0.1V-+0.5V	700	0.6s/0.6s	22.0%	＜300 cycles	52.8	3
PANI-graphene	-0.1V-+0.5V	700	1.4s/1.4s	15.9%	＞300 cycles	49.3	3
pure PANI	-0.5V-+0.1V	570	_	12.0%	＞30 cycles	25	4
PANI/CNTs	-0.5V-+0.5V	700	_	41.4%	_	302	5
PANI/SiO_2	-0.5V-+0.0V	700	11.2s/5.4s	5.7%	＞80 cycles	_	6
PANI/TiO_2	-0.3V-+1.0V	700	0.7s/2.6s	＜20.0%	＞200 cycles	_	7
PANI/TiO_2	-0.7V-+1.0V	700	2.2s/4.8s	57.6%	＞1000 cycles	37.1	8
WO_3/PANI	-0.7V- -0.2V	700	3.0s/5.8s	59.0%	_	86.3	9
NC/PANI	-0.2V-+0.8V	665	1.5s/1.0s	62.9%	＞500 cycles	206.2	This work

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