Table S1.	Comparisons	on	conductivity	between	this	work	and	the	avai	lable
conducting	polymer-coate	d fa	brics, carbon	nanomate	erial-o	coated	fabri	cs ar	nd ca	rbon
nanomaterial/conducting polymer hybrid-coated fabrics.										

No.	Materials	Conductivity (S m <sup>-1</sup> )	Ref.
1	PPy-coated cotton fabric	2.25	[1]
2	PPy-coated linen fabric	1.5	[1]
3	PPy-coated viscose fabric	2.18	[1]
4	PPy-coated PET fabric	0.95	[1]
5	PPy-coated cotton fabric	615	[2]
6	PPy-coated cotton fabric	303	[3]
7	PPy-coated fabric	10	[4]
8	PPy-coated cotton fabric	580	[5]
9	PEDOT:PSS-coated fabric	171	[6]
10	PANI-coated PET fabric	0.685	[7]
11	CNT-coated cotton fabric	0.356	[8]
12	rGO-coated fabric	5.22	[9]
13	CNT-coated PET fabric	26.15	[7]
14	PANI/CNT-coated PET fabric	38.77	[7]
15	PPy/rGO-coated cotton fabric	120	[10]
16	PPy/GO-coated cotton fabric	22	[11]
17	PPy-coated cotton fabric	52.24	This work
18	CNT/rGO-coated cotton fabric	38.64	This work

PPy: polypyrrole; PEDOT:PSS: poly(3,4-ethylene-dioxythiophene):poly(styrene-4-sulfonate); PANI: polyaniline; CNT: carbon nanotube; rGO: reduced graphene oxide; PET: polyethylene terephthalate.

No.	Materials	Areal energy density (μWh cm <sup>-2</sup> )	Ref.
1	Carbon/CNT	9.8	[12]
2	CNT	0.0306	[13]
3	VOPO <sub>4</sub> /graphene	1.7	[14]
4	CuCo <sub>2</sub> O <sub>4</sub> /MnO <sub>2</sub>	99	[15]
5	$Mn_3(PO_4)_2 \cdot 3H_2O$ /graphene	0.17	[16]
6	Graphene/CNT	3.84	[17]
7	Graphene // MnO <sub>2</sub> /graphene/carbon	18.1	[18]
8	Al/Carbon/MnO <sub>2</sub>	35.2	[19]
9	Graphene/PANI	1.5	[20]
10	Carbon // NiCo <sub>2</sub> O <sub>4</sub> /carbon	9.46	[21]
11	MnO <sub>2</sub>	1.9	[22]
12	PEDOT:PSS // RuO <sub>2</sub> /PEDOT:PSS	0.053	[23]
13	PPy/carbon	52	[24]
14	РРу	7.5	[25]
15	Carbon // CoMoO <sub>4</sub> /Co(OH) <sub>2</sub>	167.5	[26]
16	AC // PANI	185	[27]
17	MnO <sub>2</sub> /CNT	35	[28]
18	CNT/rGO // PPy	260	This work

**Table S2.** Comparisons on the areal energy density between this work and the reported flexible supercapacitors (including asymmetric and symmetric supercapacitors).

CNT: carbon nanotube;  $MnO_2$ : manganese dioxide;  $VOPO_4$ : vanadyl phosphate;  $Mn_3(PO_4)_2 \cdot 3H_2O$ : manganese phosphate; PANI: polyaniline; PEDOT:PSS: poly(3,4-ethylene-dioxythiophene):poly(styrene-4-sulfonate); RuO<sub>2</sub>: ruthenium oxide; PPy: polypyrrole; CoMoO<sub>4</sub>: cobalt molybdate; Co(OH)<sub>2</sub>: cobalt hydroxide; AC: activated carbon; rGO: reduced graphene oxide.



**Figure S1.** CNT/rGO-coated cotton fabric. Dependence of the mass loading of CNT/rGO on the dip-coating number.



**Figure S2.** Dependence of the conductivity of CNT/rGO-coated cotton fabric on the mass loading of CNT/rGO.



**Figure S3.** PPy-coated cotton fabric. Dependence of the mass loading of PPy on the pyrrole concentration.



**Figure S4.** Dependence of the conductivity of PPy-coated cotton fabric on the mass loading of PPy.



**Figure S5.** Comparisons on conductivity between this work and the available conducting polymer-coated fabrics, carbon nanomaterial-coated fabrics and carbon nanomaterial/conducting polymer hybrid-coated fabrics.



**Figure S6.** The long-life performance of rGO-covered PPy-coated cotton fabric. The current density is 4 mA cm<sup>-2</sup>. The sample was prepared by coating an rGO layer on the PPy-coated cotton fabric.

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