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Solution-processed graphene oxide electrode for supercapacitors fabricated using low temperature thermal reduction

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Table S1. Performance comparison of supercapacitor with carbon-based electrodes.

Electrode	Specific capacitance [F/g]	Energy density [Wh/kg]	Power density [W/kg]	Ref.
modified activated carbon	51.5	15.16	-	32
nanocomposite paper (CNT cellulose-RTIL)	36	13	1500	38
chemically modified graphene	135	-	-	1
MWCNT	117	-	-	40
graphene	205	28.5	10000	41
functionalized graphene	230	-	-	42
reduced graphene oxide (rGO)	191	-	-	43
rGO/MWCNT	200	29.4	439	49
graphene sheet	260.5	-	-	33
rGO	160.2	26.1	-	48
holey graphene paper	283	-	-	45
mesoporous carbon	259	-	-	4
holey graphene oxide	251	-	-	46
carbon black	122	-	-	17
Graphene nanosheets	272	6.47	2250	48
vertically oriented grid-like reduced graphene oxide	131	-	740000	47
graphene/CNT	152.4	19.06	13020	50
rGO/polyacrylonitrile(PAN)	221	33.01	301	51

activated carbon particle on the surface of rGO sheet	116.88	11.9	469.24	52
PR-rGO	240	33.3	833.3	This work
