Electronic Supplementary Material (ESI) for RSC Advances.

From waste to energy storage: calcinating and carbonizing chicken eggshells into electrode materials for supercapacitors and lithium-ion batteries

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Table S1. Performance of electrochemical capacitors

	OS600+YP80F	**OS900+YP80F**
CAPACITANCE [F g^{-1}]		
CV, 2-ele, 1 mV s^{-1}	107.6	131.4
CV, 2-ele, 2 mV s^{-1}	101.5	111.7
CV, 2-ele, 5 mV s^{-1}	93.4	90.8
CV, 2-ele, 10 mV s^{-1}	85.1	74.8
CV, 2-ele, 20 mV s^{-1}	72.3	55.5
CV, 2-ele, 50 mV s^{-1}	46.8	26.9
CV, 2-ele, 100 mV s^{-1}	24.9	11.5
CV, 2-ele, 10 mV s^{-1}, after cycling	85.8	58.1
GCPL, 100 mA g^{-1}	105	112
GCPL, 200 mA g^{-1}	101	104
GCPL, 500 mA g^{-1}	98	95
GCPL, 1000 mA g^{-1}	93	87
GCPL, 2000 mA g^{-1}	89	75
LEAKAGE CURRENT [mA g^{-1}]		
Leakage current, 1h	21.89	14.28
Leakage current, 2h	16.19	10.71
SELF-DISCHARGE [V]		
Self-discharge, 1h	1.25	1.33
Self-discharge, 2h	1.17	1.24
Self-discharge, 5h	1.07	1.13
Self-discharge, 10h	0.99	1.07
Self-discharge, 20h	0.89	0.99